

Production scientifique

ACMES

Journaux

- [1] M. Ammoura, Y. Salhi, B. Oukacha, and **B. Raddaoui**. On an mcs-based inconsistency measure. *Int. J. Approx. Reasoning*, 80:443–459, 2017.
- [2] K. Arour, S. Zammali, and **A. Bouzeghoub**. Test-bed building process for context-aware peer-to-peer information retrieval evaluation . *International journal of space-based and situated computing*, 5(1):23–38, 2015.
- [3] N. Assy, N-C.Nguyen, and **W. Gaaloul**. An automated approach for assisting the design of configurable process models. *IEEE Trans. Services Computing*, 8(6):874–888, 2015.
- [4] N. Assy, N. C. Nguyen, **W. Gaaloul**, and **B. Defude**. Deriving configurable fragments for process design. *International journal of business process integration and management*, 7(1):2–21, Jan 2014.
- [5] N. Assy, **W. Gaaloul**, L. Sliman, and **B. Defude**. Configuration assistée des processus métier. Conception et expérimentation. *Ingénierie des systèmes d'information*, 20(6):59–78, 2015.
- [6] F. Ben Charrada and **S. Tata**. An efficient algorithm for the bursting of service-based applications in hybrid Clouds. *IEEE transactions on services computing*, 9(3):357–367, May 2016.
- [7] I. Ben Sassi, C. Trabelsi, **A. Bouzeghoub**, and S. Ben Yahia. Recherche d'information contextuelle basée sur la prédiction des intérêts des utilisateurs et leurs relations sociales. *Ingénierie des systèmes d'information*, 18(1):59–84, 2013.
- [8] G. Blair, D. Schmidt, and **C. Taconet**. Middleware for Internet distribution in the context of cloud computing and the Internet of Things. *Annales des télécommunications- Annals of telecommunications*, 71(3):87–92, Apr 2016.
- [9] G. Bosilca, A. Bouteiller, **E. Brunet**, F. Cappello, J. J. Dongarra, **A. Guermouche**, T. Héault, Y. Robert, F. Vivien, and D. Zaidouni. Unified model for assessing checkpointing protocols at extreme-scale. *Concurrency and Computation : Practice and Experience*, 26(17):2772–2791, 2014.
- [10] G. Bosilca, A. Bouteiller, **A. Guermouche**, T. Héault, Y. Robert, P. Sens, and J-J. Dongarra. A failure detector for HPC platforms. *IJHPCA*, 32(1):139–158, 2018.
- [11] Z. Bouzid, M. Raynal, and **P. Sutra**. Anonymous obstruction-free (n,k)-set agreement with n ?k+1 atomic read/write registers. *Distributed computing*, pages 1–19, May 2017.
- [12] P. S. Castro, **D. Zhang**, C. Chen, G. Pan, and S. Li. From taxi GPS traces to social and community dynamics : a survey. *ACM computing surveys*, 46(2):17, Nov 2013.
- [13] C. Chen, X. Chen, Z. Wang, Y. Wang, and **D. Zhang**. Scenicplanner : planning scenic travel routes leveraging heterogeneous user-generated digital footprints. *Frontiers Comput. Sci.*, 11(1):61–74, 2017.
- [14] C. Chen, **D. Zhang**, P. S. Castro, L. Sun, Z. Wang, S. Li, and N. Li. iBOAT : isolation-based online anomalous trajectory detection. *IEEE transactions on intelligent transportation systems*, 14(2):806–818, Jun 2013.
- [15] C. Chen, **D. Zhang**, B. Guo, X. Ma, G. Pan, and Z. Wu. Tripplanner : Personalized trip planning leveraging heterogeneous crowdsourced digital footprints. *IEEE Trans. Intelligent Transportation Systems*, 16(3):1259–1273, 2015.
- [16] C. Chen, **D. Zhang**, N. Li, and Z.-H. Zhou. B-Planner : planning bidirectional night bus routes using large-scale taxi GPS traces. *IEEE transactions on intelligent transportation systems*, 15(4):1451–1465, Aug 2014.
- [17] C. Chen, **D. Zhang**, X. Ma, B. Guo, L. Wang, Y. Wang, and E.H.M. Sha. crowddeliver : Planning city-wide package delivery paths leveraging the crowd of taxis. *IEEE Trans. Intelligent Transportation Systems*, 18(6):1478–1496, 2017.

- [18] J. Chen, Y. Wang, B. Shen, and **D. Zhang**. Molecular signature of cancer at gene level or pathway level ? case studies of colorectal cancer and prostate cancer microarray data. *Comp. Math. Methods in Medicine*, 2013:909525:1–909525:8, 2013.
- [19] L. Chen, **D. Zhang**, X. Ma, S. Li, G. Pan, Z. Wu, and L. Wang. Container port performance measurement and comparison leveraging ship GPS traces and maritime open data. *IEEE transactions on intelligent transportation systems*, 17(5):1227–1242, May 2016.
- [20] L. Chen, X. Fan., L. Wang, **D. Zhang**, Z. Yu, J. Li, T. M. T. Nguyen, G. Pan, and C. Wang. RADAR : road obstacle identification for disaster response leveraging cross-domain urban data. *IMWUT*, 1(4):130:1–130:23, 2017.
- [21] L. Chen, **J. Jakubowicz**, D. Yang, G. Pan, and **D. Zhang**. Fine-grained urban event detection and characterization based on tensor cofactorization. *IEEE Transactions on Human-Machine Systems*, 47(3):380–391, Jun 2017.
- [22] **D. Belaid**, I. Ben Lahmar, and **W. Gaaloul**. Developing correct adapters for software architectural dynamic reconfiguration. *International journal of autonomous and adaptive communications systems*, 9(3-4):201–222, Jan 2016.
- [23] **D. Zhang**, L. Sun, B. Li, G. Pan, Z. Wu, S. Li, and C. Chen. Understanding taxi service strategies from taxi GPS traces. *IEEE transactions on intelligent transportation systems*, 16(1):123–135, Feb 2015.
- [24] **D. Zhang**, H. Wang, and D. Wu. Toward centimeter-scale human activity sensing with wi-fi signals. *IEEE Computer*, 50(1):48–57, 2017.
- [25] **D. Zhang**, L. Wang, H. Xiong, and B. Guo. 4W1H in mobile crowd sensing. *IEEE communications magazine*, 52(8):42–48, Aug 2014.
- [26] **F. Silber-Chaussumier**, A. Muller, and R. Habel. Generating data transfers for distributed GPU parallel programs. *J. Parallel Distrib. Comput.*, 73(12):1649–1660, 2013.
- [27] J. Bulegon Gassen, J. Mendling, **A. Bouzeghoub**, J. Palazzo Moreira De Oliveira, and L. H. Thom. An experiment on an ontology-based support approach for process modeling. *Information and software technology*, 83:94–115, Mar 2017.
- [28] M. Graiet, I. Abbassi, M. Kmimech, and **W. Gaaloul**. A genetic-based adaptive approach for reliable and efficient service composition. *IEEE Systems Journal*, 12(2):1644–1654, 2018.
- [29] M. Graiet, **A. Mammar**, S. Boubaker, and **W. Gaaloul**. Towards correct cloud resource allocation in business processes. *IEEE transactions on services computing*, 10(1):23–36, Jan 2017.
- [30] M. Graiet, L. Hamel, **A. Mammar**, and **S. Tata**. A verification and deployment approach for elastic component-based applications. *Formal aspects of computing*, 29(6):987–1011, Nov 2017.
- [31] B. Guo, C. Chen, **D. Zhang**, A. Chin, and Z. Yu. Mobile crowd sensing and computing : when participatory sensing meets participatory social media. *IEEE communications magazine*, 54(2):131–137, Feb 2016.
- [32] B. Guo, C. Chen, Z. Yu, X. Zhou, and **D. Zhang**. Building human-machine intelligence in mobile crowd sensing. *IT professional*, 17(3):46–52, May 2015.
- [33] B. Guo, H. Chen, Q. Han, **D. Zhang**, Y. Wang, and Z. Yu. Worker-contributed data utility measurement for visual crowdsensing systems. *IEEE transactions on mobile computing*, 16(8):2379–2391, Jul 2017.
- [34] B. Guo, H. Chen, Z. Yu, **D. Zhang**, and X. Xie. PicPick : a generic data selection framework for mobile crowd photography. *Personal and ubiquitous computing*, 20(3):325–335, Jun 2016.
- [35] B. Guo, H. Chen, Z. Yu, S. Huangfu, **D. Zhang**, and X. Xie. FlierMeet : a mobile crowdsensing system for cross-space public information reposting, tagging, and sharing. *IEEE transactions on mobile computing*, 14(10):2020–2033, Oct 2015.
- [36] B. Guo, H. Chen, Z. Yu, X. Xie, X. Zhou, **D. Zhang**, and W. Nan. TaskMe : toward a dynamic and quality-enhanced incentive mechanism for mobile crowd sensing. *International journal of human-computer studies*, 102:14–26, Jun 2017.
- [37] B. Guo, **D. Zhang**, L. Sun, X. Zhou, and Z. Yu. iCROSS : toward a scalable infrastructure for cross-domain context management. *Personal and ubiquitous computing*, 17(3):591–602, Mar 2013.
- [38] B. Guo, **D. Zhang**, Z. Wang, X. Zhou, and Z. Yu. Opportunistic IoT : exploring the harmonious interaction between human and the internet of things. *Journal of network and computer applications*, 36(6):1531–1539, Nov 2013.
- [39] B. Guo, **D. Zhang**, D. Yang, Z. Yu, and X. Zhou. Enhancing memory recall via an intelligent social contact management system. *IEEE Trans. Human-Machine Systems*, 44(1):78–91, 2014.
- [40] B. Guo, **D. Zhang**, Z. Yu, and F. Calabrese. Extracting social and community intelligence from digital footprints. *Journal of ambient intelligence and humanized computing*, 5(1):1–2, Feb 2014.
- [41] B. Guo, **D. Zhang**, Z. Yu, Z. Wang, X. Zhou, and Y. Liang. From the internet of things to embedded intelligence. *World wide web*, 16(4):399–420, Jul 2013.

- [42] B. Guo, Z. Yu, **D. Zhang**, J. Tian, X. Zhou, and H. He. Toward a group-aware smartphone sensing system. *IEEE pervasive computing*, 13(4):80–88, Oct 2014.
- [43] B. Guo, Z. Yu, **D. Zhang**, and X. Zhou. Cross-community sensing and mining. *IEEE communications magazine*, 52(8):144–152, Aug 2014.
- [44] R. Habel, F. Silber-Chaussumier, F. Irigoin, **F. Trahay**, and **E. Brunet**. Combining data and computation distribution directives for hybrid parallel programming : a transformation system. *International journal of parallel programming*, 44(6):1268–1295, Dec 2016.
- [45] S. Hamdi, **A. Lopes Gancarski**, **A. Bouzeghoub**, and S. Ben Yahia. TISoN : Trust Inference in trust-oriented Social Networks. *ACM transactions on information systems*, 34(3):17:1–17:32, May 2016.
- [46] **F. Trahay** Z. Jun G. Xiao J. Liao, Z. Cai. Adaptive process migrations in coupled applications for exchanging data in local file cache. *ACM transactions on autonomous and adaptive systems*, 2018.
- [47] S. Jabbour, Y. Ma, **B. Raddaoui**, and L. Sais. Quantifying conflicts in propositional logic through prime implicants. *Int. J. Approx. Reasoning*, 89:27–40, 2017.
- [48] N. Kalatzis, N. Liampotis, I. Roussaki, I. Papaioannou, **D. Zhang**, M. Anagnostou, S. Xynogalas, and P. Kosmides. Cross-community context management in Cooperating Smart Spaces. *Personal and ubiquitous computing*, 18(2):427–443, Feb 2014.
- [49] X. Li, **D. Zhang**, Q. Lv, J. Xiong, S. Li, Y. Zhang, and H. Mei. Indotrack : Device-free indoor human tracking with commodity wi-fi. *IMWUT*, 1(3):72:1–72:22, 2017.
- [50] J. Liao, Z. Cai, **F. Trahay**, and X. Peng. Block placement in distributed file systems based on block access frequency. *IEEE Access*, 6:38411–38420, 2018.
- [51] J. Liao, **F. Trahay**, and G. Xiao. Dynamic process migration based on block access patterns occurring in storage servers. *ACM transactions on architecture and code optimization (TACO)*, 13(2):1–19, Jun 2016. Article n20.
- [52] J. Liao, **F. Trahay**, B. Gerofi, and Y. Ishikawa. Prefetching on storage servers through mining access patterns on blocks. *IEEE Trans. Parallel Distrib. Syst.*, 27(9):2698–2710, 2016.
- [53] J. Liao, **F. Trahay**, G. Xiao, Y. Ishikawa, and L. Li. Performing initiative data prefetching in distributed file systems for cloud computing. *IEEE transactions on cloud computing*, 5(3):550–562, Jul 2017.
- [54] L. Lim and **D. Conan**. Partitionable group membership for Mobile Ad hoc Networks. *Journal of Parallel And Distributed Computing*, 74(8):2708–2721, Aug 2014.
- [55] L. Lim, P. Marie, **D. Conan**, T. Desprats, A. Manzoor, and **S. Chabridon**. Enhancing context data distribution for the internet of things using qoc-awareness and attribute-based access control. *Annales des télécommunications-Annals of telecommunications*, 71(3/4):121–132, Mar 2016.
- [56] Q. Lin, **D. Zhang**, K. Connelly, Z. Yu, X. Zhou, and H. Ni. Disorientation detection by mining GPS trajectories for cognitively-impaired elders. *Pervasive and mobile computing*, 19:71–85, May 2015.
- [57] J.-P. Lozi, F. David, **G. Thomas**, G. Muller, and J. Lawall. Fast and portable locking for multicore architectures. *ACM transactions on computer systems (TOCS)*, 33(4):13:1–13:62, Jan 2016. Article 13.
- [58] Z. Maamar, **S. Tata**, K. Yetongnon, P. Thiran, and D. Benslimane. A goal-based approach to engineering capacity-driven Web services. *Knowledge Engineering Review*, 29(2):265–280, Mar 2014.
- [59] P. Marie, T. Desprats, **S. Chabridon**, **C. Taconet**, and M. Sibilla. From ambient sensing to IoT-based context computing : an open framework for end to end QoC management. *Sensors*, 15(6):14180–14206, Jun 2015.
- [60] D. Millot and **C. Parrot**. Optimization of the processing of data streams on roughly characterized distributed resources. *IEEE Trans. Parallel Distrib. Syst.*, 27(5):1415–1429, 2016.
- [61] M. Mohamed, M. Amziani, **D. Belaid**, T. Melliti, and **S. Tata**. An autonomic approach to manage elasticity of business processes in the Cloud. *Future generation computer systems (FGCS)*, 50:49–61, Sep 2015.
- [62] M. Mohamed, **D. Belaid**, and **S. Tata**. Extending OCCI for autonomic management in the cloud. *Journal of systems and software*, 122:416–429, Dec 2016.
- [63] Z. Movahedi, **W. Gaaloul**, S. Bhiri, and **B. Defude**. Assisting sensor-based application design and instantiation using activity recommendation. *The computer journal*, 58(3):368–384, Mar 2015.
- [64] N. C. Nguyen, N. Nonsung, and **W. Gaaloul**. Service querying to support process variant development. *Journal of systems and software*, 122:538–552, Dec 2016.
- [65] H. Ni, S. Wu, B. Abdulrazak, X. Ma, X. Zhou, and **D. Zhang**. Non-intrusive sleep pattern recognition with ubiquitous sensing in elderly assistive environment. *Frontiers of computer science*, 9(6):966–979, Dec 2015.
- [66] G. Pan, G. Qi, Z. Wu, S. Li, and **D. Zhang**. Land-use classification using taxi GPS traces. *IEEE transactions on intelligent transportation systems*, 14(1):113 –123, Mar 2013.

- [67] X. Qi, Q. Yang, D. T. Nguyen, G. Peng, G. Zhou, B. Dai, **D. Zhang**, and Y. Li. A context-aware framework for reducing bandwidth usage of mobile video chats. *IEEE Trans. Multimedia*, 18(8):1640–1649, 2016.
- [68] V. Raychoudhury, A. D. Kshemkalyani, **D. Zhang**, and J. Cao. Automatic event scheduling in mobile social network communities. *IEEE transactions on parallel and distributed systems*, 25(11):2772–2782, Nov 2014.
- [69] A. Sarwar, H. Mukhtar, M. Maqbool, and **D. Belaid**. SmartFit : a step count based mobile application for engagement in physical activities. *International journal of advanced computer science and applications (IJACSA)*, 6(8):271–278, 2015.
- [70] **S. Chabridon, D. Conan, Z. Abid, and C. Taconet**. Building ubiquitous QoC-aware applications through model-driven software engineering. *Science of computer programming*, 78(10):1912–1929, Oct 2013. Special section on Language Descriptions Tools and Applications (LDTA08 & 09) & Special section on Software Engineering Aspects of Ubiquitous Computing and Ambient Intelligence (UCAmI 2011).
- [71] **S. Chabridon**, R. Laborde, T. Desprats, P. Marie, S. Machara Marquez, and A. Oglaza. A survey on addressing privacy together with quality of context for context management in the Internet of Things. *Annales des télécommunications- Annals of telecommunications*, 69(1):47–62, Feb 2014.
- [72] M. Sellami, O. Bouchaala, **W. Gaaloul**, and **S. Tata**. Communities of web service registries : construction and management. *Journal of systems and software*, 86(3):835–853, Mar 2013.
- [73] M. Sellami, P. De Vettor, M. Mrissa, **B. Defude**, and D. Benslimane. DMaaS : syntactic, structural and semantic mediation for service composition. *International journal of autonomous and adaptive communications systems*, 9(3-4):310–330, 2016.
- [74] M. Sellami, **W. Gaaloul**, and **B. Defude**. A decentralized and service-based solution for data mediation : the case for data providing service compositions. *Concurrency and computation : practice & experience*, 27(6):1427–1444, Apr 2015.
- [75] R. Sellami and **B. Defude**. Complex queries optimization and evaluation over relational and NoSQL data stores in cloud environments. *IEEE transactions on big data*, pages 1–14, 2017.
- [76] R. Sellami, **B. Defude**, and S. Bhiri. Supporting multi data stores applications in cloud environments. *IEEE transactions on services computing*, 9(1):59–71, Jan 2016.
- [77] R. Sellami, **W. Gaaloul**, and **B. Defude**. Process socio space discovery based on semantic logs. *Journal of internet technology (JIT)*, 14(3):401–412, Apr 2013.
- [78] H. Sfar, **A. Bouzeghoub**, and **B. Raddaoui**. Early anomaly detection in smart home : A causal association rule-based approach. *Artificial Intelligence in Medicine*, 2018.
- [79] L. Sun, **D. Zhang**, C. Chen, S. Li, Z. Wang, and P. S. Castro. Real time anomalous trajectory detection and analysis. *Mobile Networks & Applications*, 18(3):341 –356, Jun 2013.
- [80] **B. Raddaoui**. On the measure of conflicts : an argumentation based framework. *Journal of applied non-classical logics*, 2018.
- [81] H. Teyeb, Nejib Ben Hadj-Alouane, **Samir Tata**, and Ali Balma. Optimal dynamic placement of virtual machines in geographically distributed cloud data centers. *Int. J. Cooperative Inf. Syst.*, 26(3):1–32, 2017.
- [82] H. Wang, **D. Zhang**, Y. Wang, J. Ma, Y. Wang, and S. Li. Rt-fall : A real-time and contactless fall detection system with commodity wifi devices. *IEEE Trans. Mob. Comput.*, 16(2):511–526, 2017.
- [83] J. Wang, Y. Wang, **D. Zhang**, L. Wang, C. Chen, W. J. Lee, and Y. He. Real-time and generic queue time estimation based on mobile crowdsensing. *Frontiers Comput. Sci.*, 11(1):49–60, 2017.
- [84] J. Wang, Y. Wang, **D. Zhang**, L. Wang, H. Xiong, A. Helal, Y. He, and F. Wang. Fine-grained multitask allocation for participatory sensing with a shared budget. *IEEE Internet of Things Journal*, 3(6):1395–1405, 2016.
- [85] J. Wang, Y. Wang, S. Helal, and **D. Zhang**. A context-driven worker selection framework for crowd-sensing. *IJDSN*, 12:6958710:1–6958710:16, 2016.
- [86] J. Wang, Y. Wang, **D. Zhang**, and S. Helal. Energy saving techniques in mobile crowd sensing : Current state and future opportunities. *IEEE Communications Magazine*, 56(5):164–169, 2018.
- [87] J. Wang, Y. Wang, **D. Zhang**, F. Wang, H. Xiong, C. Chen, Q. Lv, and Z. Qiu. Multi-task allocation in mobile crowd sensing with individual task quality assurance. *IEEE Trans. Mob. Comput.*, 17(9):2101–2113, 2018.
- [88] L. Wang, **D. Zhang**, Y. Wang, X. Han, M^Hamed, A., and C. Chen. Sparse mobile crowdsensing : challenges and opportunities. *IEEE communications magazine*, 54(7):161–167, Jul 2016.
- [89] L. Wang, **D. Zhang**, H. Xiong, C. Chen, B. Xie, and **J. P. Gibson**. ecoSense : minimize participants \bar{t} otal 3G data cost in mobile crowdsensing using opportunistic relays. *IEEE transactions on systems, man, and cybernetics. Systems*, 47(6):965–978, Jun 2017.

- [90] L. Wang, **D. Zhang**, Z. Yan, B. Xie, and H. Xiong. effSense : a novel mobile crowd-sensing framework for energy-efficient and cost-effective data uploading. *IEEE transactions on systems, man, and cybernetics. Systems*, 45(12):1549–1563, Dec 2015.
- [91] L. Wang, **D. Zhang**, D. Yang, A. Pathak, C. Chen, X. Han, H. Xiong, and Y. Wang. SPACE-TA : cost-effective task allocation exploiting intradata and interdata correlations in sparse crowdsensing. *ACM TIST*, 9(2):20:1–20:28, 2018.
- [92] T. Wang, **D. Zhang**, Y. Zheng, T. Gu, X. Zhou, and B. Dorizzi. C-FMCW based contactless respiration detection using acoustic signal. *IMWUT*, 1(4):170:1–170:20, 2017.
- [93] T. Wang, **D. Zhang**, X. Zhou, H. Ni, G. Zhou, H. Wang, and X. Qi. Mining personal frequent routes via road corner detection. *IEEE transactions on systems, man, and cybernetics. Systems*, 46(4):445–458, Apr 2016.
- [94] T. Wang, Z. Wang, **D. Zhang**, H. Ni, X. Zhou, J. Lv, J. Jia, and T. Gu. Recognizing Parkinsonian gait pattern by exploiting fine-grained movement function features. *ACM transactions on intelligent systems and technology (TIST)*, 8(1):6:1–6:22, Oct 2016.
- [95] Z. Wang, **D. Zhang**, X. Zhou, Z. Yu, Z. Yu, and D. Yang. Discovering and profiling overlapping communities in location-based social networks. *IEEE transactions on systems, man, and cybernetics. Systems*, 44(4):2168–2216, Apr 2014.
- [96] Z. Wang, X. Zhou, **D. Zhang**, Z. Yu, and D. Yang. Cross-domain community detection in heterogeneous social networks. *Personal and ubiquitous computing*, 18(2):369–383, Feb 2014.
- [97] Z. Wang, X. Zhou, **D. Zhang**, D. Zhang, and Z. Yu. SOCKER : enhancing face-to-face social interaction based on community creation in opportunistic mobile social networks. *Wireless personal communications*, 78(1):755–783, May 2014.
- [98] D. Wu, **D. Zhang**, C. Xu, H. Wang, and X. Li. Device-free wifi human sensing : From pattern-based to model-based approaches. *IEEE Communications Magazine*, 55(10):91–97, 2017.
- [99] H. Xiong, **D. Zhang**, G. Chen, **V. Gauthier**, L. E. Barnes, and L. Wang. iCrowd : near-optimal task allocation for Piggyback Crowdsensing. *IEEE transactions on mobile computing*, 15(8):2010–2022, Aug 2016.
- [100] H. Xiong, **D. Zhang**, Z. Guo, G. Chen, and L. E. Barnes. Near-optimal incentive allocation for piggyback crowdsensing. *IEEE Communications Magazine*, 55(6):120–125, 2017.
- [101] H. Xiong, **D. Zhang**, L. Wang, and **H. Chaouchi**. EMC3 : energy-efficient data transfer in mobile crowdsensing under full coverage constraint. *IEEE transactions on mobile computing*, 14(7):1355–1368, Jul 2015.
- [102] H. Xiong, **D. Zhang**, L. Wang, J. Zhu, and **J. P. Gibson**. EEMC : enabling energy-efficient mobile crowdsensing with anonymous participants. *ACM transactions on intelligent systems and technology (TIST)*, 6(3):1–26, May 2015.
- [103] H. Xiong, **D. Zhang**, D. Zhang, K. Yang, **M. Becker**, and **V. Gauthier**. MPaaS : mobility prediction as a service in telecom cloud. *Information Systems Frontiers*, 16(1):59–75, Mar 2014.
- [104] D. Yang, **D. Zhang**, L. Chen, and B. Qu. NationTelescope : monitoring and visualizing large-scale collective behavior in LBSNs. *Journal of network and computer applications*, 55:170–180, Sep 2015.
- [105] D. Yang, **D. Zhang**, K. Frank, P. Robertson, E. J. Jennings, M. Roddy, and M. Lichtenstern. Providing real-time assistance in disaster relief by leveraging crowdsourcing power. *Personal and ubiquitous computing*, 18(8):2025–2034, Dec 2014.
- [106] D. Yang, **D. Zhang**, and B. Qu. Participatory cultural mapping based on collective behavior data in location-based social networks. *ACM transactions on intelligent systems and technology (TIST)*, 7(3):1–23, Apr 2016. Article n30.
- [107] D. Yang, **D. Zhang**, V. W. Zheng, and Z. Yu. Modeling user activity preference by leveraging user spatial temporal characteristics in LBSNs. *IEEE transactions on systems, man, and cybernetics. Part A, Systems and humans*, 45(1):129–142, Jan 2015.
- [108] S. Yangui, I.-J. Marshall, J.-P. Laisne, and **S. Tata**. CompatibleOne : the open source cloud broker. *Journal of Grid Computing*, 12(1):93–109, Mar 2014.
- [109] S. Yangui and **S. Tata**. The SPD approach to deploy service-based applications in the Cloud. *Concurrency and computation : practice & experience*, 27(15):3943–3960, Oct 2015.
- [110] S. Yangui and **S. Tata**. An OCCI compliant model for PaaS resources description and provisioning. *The computer journal*, 59(3):308–324, Mar 2016.
- [111] **Y. Dingqi**, **D. Zhang**, Z. Yu, **D. Zeghlache**, and Z. Yu. SESAME : mining user digital footprints for fine-grained preference-aware social media search. *ACM transactions on Internet technology*, 14(4), Dec 2014.
- [112] K. Yongsiriwit, N. Assy, and **W. Gaaloul**. A semantic framework for configurable business process as a service in the cloud. *Journal of network and computer applications*, 59:168–184, Jan 2016.

- [113] Z. You, X. Zhou, **D. Zhang**, C. Becker, and G. Schiele. Understanding social relationship evolution by using real-world sensing data. *World wide web*, 16(5):749–762, Nov 2013.
- [114] Z. Yu, **D. Zhang**, Z. Wang, I. Roussaki, E. Claffey, K. Doolin, and B. Guo. Toward context-aware mobile social networks. *IEEE communications magazine*, 55(10):168–175, Oct 2017.
- [115] Z. Yu, **D. Zhang**, Z. Yu, and D. Yang. Participant selection for offline event marketing leveraging location based social networks. *IEEE transactions on systems, man, and cybernetics. Systems*, 45(6):853–864, Jun 2015.
- [116] D. Zekri, **B. Defude**, and T. Delot. Building, sharing and exploiting spatio-temporal aggregates in vehicular networks. *Mobile information systems*, 10(3):259–285, 2014.
- [117] D. Zhang, M. Chen, M. Guizani, **D. Zhang**, and H. Xiong. Mobility prediction in telecom cloud using mobile calls. *IEEE wireless communications*, 21(1):26–32, Feb 2014.
- [118] D. Zhang, **D. Zhang**, H. Xiong, A. V. Vasilakos, and C.-H. Hsu. BASA : building mobile Ad-Hoc social networks on top of android. *IEEE network*, 28(1):4–9, 2014.
- [119] D. Zhang, **D. Zhang**, H. Xiong, **V. Gauthier**, and L. T. Yang. NextCell : predicting location using social interplay from cell phone traces. *IEEE transactions on computers*, 64(2):452–463, Feb 2015.
- [120] F. Zhang, **D. Zhang**, J. Xiong, H. Wang, K. Niu, B. Jin, and Y. Wang. From fresnel diffraction model to fine-grained human respiration sensing with commodity wi-fi devices. *IMWUT*, 2(1):53:1–53:23, 2018.
- [121] H. Zhang, H. Nguyen, E. Martinez Gracia, **D. Zhang**, B. Guo, **N. Crespi**, and P. A. Tudela Solano. Scalable multimedia delivery with QoS management in pervasive computing environment. *The journal of supercomputing*, 65(1):317–335, Jul 2013.
- [122] Y.-L. Zhao, Q. Chen, S. Yan, **D. Zhang**, and T.-S. Chua. Detecting profilable and overlapping communities with user-generated social media contents in LBSNs. *ACM transactions on multimedia computing, communications and applications (TOMCCAP)*, 10(1):1–22, Dec 2013.
- [123] Z. Zhou, Z. Cheng, L. J. Zhang, **W. Gaaloul**, and K. Ning. Scientific workflow clustering and recommendation leveraging layer hierarchical analysis. *IEEE Trans. Services Computing*, 11(1):169–183, 2018.
- [124] Z. Zhou, M. Sellami, **W. Gaaloul**, **B. Defude**, and M. Barhamgi. Data providing services clustering and management for facilitating service discovery and replacement. *IEEE transactions on automation science and engineering*, 10(4):1131–1146, Oct 2013.
- [125] Z. Zhou, K.-F. Tsang, Z. Zhuofeng, and **W. Gaaloul**. Data intelligence on the Internet of Things. *Personal and ubiquitous computing*, 20(3):277–281, Jun 2016.
- [126] Z. Zhou, **W. Gaaloul**, L. Shu, S. Bhiri, and **S. Tata**. Assessing the replaceability of service protocols in mediated service interactions. *Future generation computer systems (FGCS)*, 29(1):287–299, Jan 2013.
- [127] Z. Zhou, R. Xing, **W. Gaaloul**, and Y. Xiong. A three-dimensional sub-region query processing mechanism in underwater WSNs. *Personal and ubiquitous computing*, 19(7):1075–1086, 2015.
- [128] B. Zhu, J. Zhang, Q. Zhang, and **D. Zhang**. Dissipative control for T-S fuzzy descriptor systems with actuator saturation and disturbances. *J. Franklin Institute*, 353(18):4950–4978, 2016.

Conférences

- [1] I. Abassi, M. Graiet, **W. Gaaloul**, and N. Ben Hadj Alouane. A formal approach for enforcing transactional requirements in web service compositions. In IEEE, editor, *SCC 2014 : 11th IEEE International Conference on Services Computing*, pages 637–644, 2014.
- [2] I. Abassi, M. Graiet, **W. Gaaloul**, and N. Ben Hadj Alouane. Genetic-based approach for ATS and SLA-aware web services composition . In Springer international publishing, editor, *WISE 2015 : 16th International Conference Web Information Systems Engineering*, pages 369–383, Cham, 2015.
- [3] I. Abassi, M. Kmimech, N. Ben Hadj Alouane, and **W. Gaaloul**. Modeling and verifying the transactional and QoS-aware services composition using Event-B. In IEEE, editor, *WETICE 2014 : IEEE 23rd International Conference on Enabling Technologies : Infrastructure for Collaborative Enterprises*, pages 313–318, 2014.
- [4] S. Abdellatif, M-A. Ben Hassine, S. Ben Yahia, and **A. Bouzeghoub**. ARCID : A new approach to deal with imbalanced datasets classification. In A-M. Tjoa, L. Bellatreche, S. Biffl, J. van Leeuwen, and J. Wiedermann, editors, *SOFSEM 2018 : Theory and Practice of Computer Science - 44th International Conference on Current Trends in Theory and Practice of Computer Science, Krems, Austria, January 29 - February 2, 2018, Proceedings*, volume 10706 of *Lecture Notes in Computer Science*, pages 569–580. Springer, 2018.
- [5] **A. Bouzeghoub**, S. Jabbour, Y. Ma, and **Raddaoui, B.** Handling conflicts in uncertain ontologies using deductive argumentation. In ACM, editor, *WI 2017 : International Conference on Web Intelligence*, pages 65–72, New York, 2017.

- [6] M. Ahmed-Nacer and **S. Tata**. Simulation extension for OCCI cloud standard . In IEEE Computer Society, editor, *WETICE 2016 : 25th International Conference on Enabling Technologies : Infrastructure for Collaborative Enterprises*, pages 263–264, Los Alamitos, 2016.
- [7] M. Ahmed-Nacer, K. Suri, M. Sellami, and **W. Gaaloul**. Simulation of configurable resource allocation for cloud-based business processes. In IEEE Computer Society, editor, *SCC 2017 : 14th International Conference on Services Computing*, pages 305–313, Los Alamitos, 2017.
- [8] M. Ahmed-Nacer, **W. Gaaloul**, and **S. Tata**. OCCI-compliant cloud configuration simulation. In IEEE Computer Society, editor, *EDGE 2017 : 1st International Conference on Edge Computing*, pages 73–81, Los Alamitos, 2017.
- [9] T. Amhed-Nacer, **P. Sutra**, and **D. Conan**. The convoy effect in atomic multicast. In IEEE Computer Society, editor, *SRDSW 2016 : 35th IEEE Symposium on Reliable Distributed Systems Workshops*, pages 67–72, Los Alamitos, 2016.
- [10] M. Amziani, K. Klai, T. Melliti, and **S. Tata**. Time-based evaluation of service-based business process elasticity in the cloud. In IEEE, editor, *CLOUDCOM 2013 : 5th IEEE International Conference on Cloud Computing Technology and Science*, pages 573–580, 2013.
- [11] M. Amziani, T. Melliti, and **S. Tata**. Formal modeling and evaluation of service-based business process elasticity in the cloud. In IEEE Computer Society, editor, *WETICE13 : 22nd IEEE International Conference on Enabling Technologies : Infrastructures for Collaborative Enterprises*, pages 284–291, 2013.
- [12] M. Amziani, T. Melliti, and **S. Tata**. Formal modeling and evaluation of stateful service-based business process elasticity in the cloud. In Springer, editor, *CoopIS13 : 21st International Conference on Cooperative Information Systems*, volume 8185, pages 21–38, Heidelberg;NewYork;Dordrecht [etc.], 2013. Collection : Lecture Notes in Computer Science.
- [13] J.-P. Arcangeli, **A. Bouzeghoub**, V. Camps, **D. Conan**, R. Laborde, P. Marie, A. Peninou, P. Zaraté, **C. Taconet**, M. Mbarki, S. Leriche, T. Desprats, and **S. Chabridon**. Le projet ANR INCOME, processus et outils logiciels pour des gestionnaires de contexte au dessus de l'Internet des objets. In ACM, editor, *UBIMOB 2016 : 11èmes journées francophones Mobilité et Ubiquité*, pages 1–7, 2016.
- [14] J.-P. Arcangeli, V. Camps, T. Desprats, E. Lavinal, P. Zaraté, **A. Bouzeghoub**, **D. Conan**, L. Lim, C. Mignard, S. Leriche, S. Rottenberg, S. Machara Marquez, **C. Taconet**, **S. Chabridon**, R. Boujbel, A. Peninou, and R. Laborde. Projet INCOME : INfrastructure de gestion de COntexte Multi-Echelle pour l'Internet des Objets. In *CAL 2014 : Conférence francophone sur les architectures logicielles*, pages 1–2, 2014.
- [15] H. Aslam, H. Mukhtar, F. Seemi, and **D. Belaid**. Harnessing smartphones as a personal informatics tool towards self-awareness and behavior improvement. In IEEE Computer Society, editor, *PICOM 2016 : 14th International Conference on Pervasive, Intelligence and Computing*, pages 467–474, Los Alamitos, 2016.
- [16] N. Assy, N-N. Chan, and **W. Gaaloul**. Assisting business process design with configurable process fragments. In *2013 IEEE International Conference on Services Computing, Santa Clara, CA, USA, June 28 - July 3, 2013*, pages 535–542, 2013.
- [17] N. Assy and **W. Gaaloul**. Configuration rule mining for variability analysis in configurable process models. In Springer-Verlag, editor, *ICSOC 2014 : 12th International Conference on Service Oriented Computing*, volume 8831, pages 1–15, Berlin Heidelberg, 2014.
- [18] N. Assy and **W. Gaaloul**. Extracting configuration guidance models from business process repositories. In Springer, editor, *BPM 2015 : 13th International Conference on Business Process Management*, pages 198–206, 2015.
- [19] N. Assy, **W. Gaaloul**, and **B. Defude**. Mining configurable process fragments for business process design. In Springer international publishing, editor, *DESRIST 2014 : 9th International Conference on Design Science Research in Information Systems and Technology*, volume 8463, pages 209–224, Cham, 2014.
- [20] K. Attouchi, **G. Thomas**, G. Muller, A. Bottaro, and J. Lawall. Incinerator - Eliminating stale references in dynamic OSGi applications. In IEEE, editor, *DSN 2015 : 45th Annual IEEE/IFIP International Conference on Dependable Systems and Networks*, pages 545–554, 2015.
- [21] N. Aussel, S. Jaulin, G. Gandon, E. Fazli, **S. Chabridon**, and **Y. Petetin**. Predictive models of hard drive failures based on operational data. In IEEE Computer Society, editor, *ICMLA 2017 : 16th IEEE International Conference On Machine Learning And Applications*, pages 619–625, Los Alamitos, 2017. <http://www.icmla-conference.org/icmla17/>.
- [22] A. Ayach, L. Sliman, M. Kmimech, M. T. Bhiri, and **B. Raddaoui**. Towards a formal verification approach for cloud software architecture. In *New Trends in Intelligent Software Methodologies, Tools and Techniques - Proceedings of the 16th International Conference, SoMet_17, Kitakyushu City, Japan, September 26-28, 2017*, pages 490–502, 2017.
- [23] F. Belghaouti, **A. Bouzeghoub**, Z. I. Kazi-Aoul, and R. Chiky. Graph-oriented load-shedding for semantic Data Stream processing. In *IWCIM 2015 : International Workshop on Computational Intelligence for Multimedia Understanding*, pages 1–5, 2015.

- [24] F. Belghaouti, **A. Bouzeghoub**, Z. I. Kazi-Aoul, and R. Chiky. FreGraPaD : frequent RDF graph patterns detection for semantic data streams. In IEEE, editor, *RCIS 2016 : 10th International Conference on Research Challenges in Information Science*, pages 1–9, 2016.
- [25] F. Belghaouti, **A. Bouzeghoub**, Z. I. Kazi-Aoul, and R. Chiky. Patorc : Pattern Oriented Compression for semantic data streams. In Springer, editor, *OTM 2016 : Confederated International Conferences "On the Move to Meaningful Internet Systems"*, volume 10033, pages 193–209, Cham, 2016.
- [26] F. Belghaouti, **A. Bouzeghoub**, Z. I. Kazi-Aoul, and R. Chiky. POL : a Pattern Oriented Load-shedding for semantic data stream processing. In Springer, editor, *WISE 2016 : 17th International Conference on Web Information Systems Engineering*, pages 157–171, Cham, 2016.
- [27] N. Belhaj, I. Ben Lahmar, M. Mohamed, and **D. Belaid**. Collaborative autonomic container for the management of component-based applications. In IEEE, editor, *WETICE 2015 : 24th IEEE International Conference on Enabling Technologies : Infrastructure for Collaborative Enterprises*, pages 41–43, 2015.
- [28] N. Belhaj, I. Ben Lahmar, M. Mohamed, and **D. Belaid**. Collaborative autonomic management of distributed component-based applications. In Springer International Publishing, editor, *COOPIS 2015 : 23rd International Conference on Cooperative Information Systems*, pages 3–18, 2015.
- [29] N. Belhaj, **D. Belaid**, and H. Mukhtar. Self-adaptive decision making for the management of component-based applications. In Springer, editor, *COOPIS 2017 : 25th OTM International Conference on Cooperative Information Systems*, pages 570–588, Cham, 2017. Lecture Notes in Computer Science, vol 10573.
- [30] R. Ben Halima, S. Kallel, K. Klai, M. Jmaiel, and **W. Gaaloul**. Formal verification of time-aware cloud resource allocation in business process. In Springer, editor, *OTM 2016 : Confederated International Conferences "On the Move to Meaningful Internet Systems"*, pages 400–417, Cham, 2016.
- [31] R. Ben Halima, S. Kallel, **W. Gaaloul**, and M. Jmaiel. Optimal cost for time-aware cloud resource allocation in business process. In IEEE Computer Society, editor, *SCC 2017 : 14th International Conference on Services Computing*, pages 314–321, Los Alamitos, 2017.
- [32] A. Ben Jrad, S. Bhiri, and **S. Tata**. Description and evaluation of elasticity strategies for business processes in the cloud. In IEEE Computer Society, editor, *SCC 2016 : 13th International Conference on Services Computing*, pages 203–210, Los Alamitos, 2016.
- [33] I. Ben Lahmar and **D. Belaid**. Developing adapters for structural adaptation of component-based applications. In IEEE Computer Society, editor, *WETICE13 : 22nd IEEE International Conference on Enabling Technologies : Infrastructures for Collaborative Enterprises*, pages 92–97, 2013.
- [34] I. Ben Lahmar and **D. Belaid**. An autonomic container for the management of component-based applications in pervasive environments. In IEEE, editor, *ATC 2014 : 11th International Conference on Autonomic and Trusted Computing*, pages 548–555, 2014.
- [35] O. Berger, **J. P. Gibson**, **C. Lecocq**, and C. Bac. Designing a virtual laboratory for a relational database MOOC. In SCITEPRESS, editor, *CSEDU 2015 : 7th International Conference on Computer Supported Education*, volume 7th International Conference on Computer Supported Education (CSEDU 2015), pages 260–268, 2015.
- [36] O. Bibani, C. Mouradian, S. Yangui, **W. Gaaloul**, M. Morrow, P. Polakos, N. Ben Hadj Alouane, and R. Glitho. A demo of IoT healthcare application provisioning in hybrid cloud/fog environment. In IEEE, editor, *CLOUD COM 2016 : 8th International Conference on Cloud Computing Technology and Science*, pages 472–475, Los Alamitos, 2016.
- [37] O. Bibani, S. Yangui, R. Glitho, N. Ben Hadj Alouane, P. Polakos, M. Morrow, and **W. Gaaloul**. A demo of a PaaS for IoT applications provisioning in hybrid cloud/fog environment. In IEEE Computer Society, editor, *LANMAN 2016 : 23rd International Symposium on Local and Metropolitan Area Networks*, pages 1–2, Los Alamitos, 2016.
- [38] S. Boubaker, **A. Mammar**, M. Graiet, and **W. Gaaloul**. A formal guidance approach for correct process configuration. In Springer, editor, *ICSOC 2016 : 14th International Conference on Service-Oriented Computing*, pages 483–498, Cham, 2016.
- [39] S. Boubaker, **A. Mammar**, M. Graiet, and **W. Gaaloul**. An event-B based approach for ensuring correct configurable business processes. In IEEE Computer Society, editor, *ICWS 2016 : 23rd IEEE International Conference on Web Services*, pages 460–467, 2016.
- [40] S. Boubaker, **A. Mammar**, M. Graiet, and **W. Gaaloul**. Formal verification of cloud resource allocation in business processes using Event-B. In IEEE, editor, *AINA 2016 : 30th International Conference on Advanced Information Networking and Applications*, pages 746–753, 2016.
- [41] S. Boubaker, K. Klai, K. Schmitz, **W. Gaaloul**, and M. Graiet. Deadlock-freeness verification of business process configuration using SOG. In Springer, editor, *ICSOC 2017 : 15th International Conference on Service-Oriented Computing*, pages 96–112, Cham, 2017.

- [42] S. Boubaker, **W. Gaaloul**, M. Graiet, and N. Ben Hadj Alouane. Event-B based approach for verifying cloud resource allocation in business process. In IEEE, editor, *SCC 2015 : 12th IEEE International Conference on Services Computing*, pages 538–545, 2015.
- [43] O. Bouchaala, **S. Tata**, and M. Jmaiel. A hybrid approach for business environment-aware management of service-based business processes. In Springer, editor, *EC-Web 13 : 14th International Conference on Electronic Commerce and Web Technologies*, volume 152, pages 68–79, Heidelberg ;New-York ;Dordrecht [etc.], 2013. Collection : Lecture Notes in Business Information Processing.
- [44] O. Bouchaala, M. Yengui, **S. Tata**, and M. Jmaiel. DAT : dependency analysis tool for service-based business processes. In IEEE, editor, *AINA 2014 : 28th IEEE International Conference on Advanced Information Networking and Applications*, pages 621–628, 2014.
- [45] R. Boujbel, S. Rottenberg, S. Leriche, J.-P. Arcangeli, **C. Lecocq**, and **C. Taconet**. MuScADeL : a deployment DSL based on a multiscale characterization framework. In IEEE, editor, *COMPSACW 2014 : 38th International Computer Software and Applications Conference Workshops*, pages 708–715, 2014.
- [46] M. S. Mosli Bouksiaa, **Trahay, F.**, and **G. Thomas**. Détection automatique d'anomalies de performance. In *COMPAS 2015 : Conférence en Parallelisme, Architecture et Système*, 2015.
- [47] D. Bouneffouf, **A. Bouzeghoub**, and **A. Lopes Gancarski**. Contextual bandits for context-based information retrieval. In Springer-Verlag, editor, *ICONIP 2013 : 20th International Conference on Neural Information Processing*, volume part II, pages 35–42, Berlin Heidelberg, 2013.
- [48] D. Bouneffouf, **A. Bouzeghoub**, and **A. Lopes Gancarski**. Risk-Aware recommender systems. In Springer Verlag, editor, *ICONIP 2013 : 20th International Conference on Neural Information Processing*, pages 57–65, Berlin Heidelberg, 2013.
- [49] Z. Bouzid, M. Raynal, and **P. Sutra**. Anonymous obstruction-free (n,k)-set agreement with $n - k + 1$ atomic read/write registers. In *OPODIS 2015 : 19th International Conference on Principles of Distributed Systems*, volume 46, pages 18:1 – 18:17, Rennes, France, December 2015. LIPICS.
- [50] H. Brabra, A. Mtibaa, L. Sliman, F. Gargouri, B. Benatallah, and **W. Gaaloul**. Detecting cloud (anti)patterns : OCCi perspective. In Springer, editor, *ICSO 2016 : 14th International Conference on Service-Oriented Computing*, pages 202–218, Cham, 2016.
- [51] H. Brabra, A. Mtibaa, L. Sliman, F. Gargouri, and **W. Gaaloul**. Semantic web technologies in cloud computing : a systematic literature review. In IEEE Computer Society, editor, *SCC 2016 : 13th International Conference on Services Computing*, pages 744–751, Los Alamitos, 2016.
- [52] H. Brabra, A. Mtibaa, **W. Gaaloul**, and B. Benatallah. Model-driven elasticity for cloud resources. In J. Krogstie and H-A. Reijers, editors, *Advanced Information Systems Engineering - 30th International Conference, CAiSE 2018, Tallinn, Estonia, June 11-15, 2018, Proceedings*, volume 10816 of *Lecture Notes in Computer Science*, pages 187–202. Springer, 2018.
- [53] J. D. Caldas, **A. Lopes Gancarski**, and P. Rangel Henriques. Socii : a tool to analyze and visualize dynamic Social Networks. In Schloss Dagstuhl Leibniz-Zentrum fuer Informatik, editor, *SLATE 2017 : 6th Symposium on Languages, Applications and Technologies*, pages 15:1–15:7, Wadern, 2017. OASIcs volume 56.
- [54] M. Carpen-Amarie, D. Dice, **G. Thomas**, and P. Felber. Transactional pointers : experiences with HTM-based reference counting in C++. In Springer international publishing, editor, *NETYS 2016 : 4th International Conference on Networked Systems*, pages 102–116, Cham, 2016.
- [55] M. Carpen-Amarie, D. Dice, P. Marlier, P. Felber, and **G. Thomas**. Evaluating HTM for pauseless garbage collectors in Java. In IEEE, editor, *ISPA 2015 : International Symposium on Parallel and Distributed Processing with Applications*, volume 3, pages 1–8, 2015.
- [56] M. Carpen-Amarie, Y. Hayduk, P. Felber, **G. Thomas**, D. Dice, and C. Fetzer. Towards an efficient pauseless Java GC with selective HTM-based access barriers. In ACM, editor, *MANLANG 2017 : 14th international conference on Managed Languages and Runtimes*, pages 85–91, New York, 2017.
- [57] M. Carpen-Amarie, P. Marlier, P. Felber, and **G. Thomas**. A performance study of Java garbage collectors on multicore architectures. In ACM, editor, *PMAM 2015 : Sixth International Workshop on Programming Models and Applications for Multicores and Manycores*, pages 20–29, 2015.
- [58] F. Castro-Jul, **D. Conan**, **S. Chabridon**, A. F. Vilas, **C. Taconet**, and R. P. D. Redondo. Combining fog architectures and distributed event-based systems for mobile sensor location certification. In Springer, editor, *UCAmI 2017 : 11th International Conference on Ubiquitous Computing and Ambient Intelligence*, pages 27–33, Cham, 2017.
- [59] W. Chargui, T. S. Rouis, M. Kmimech, M. T. Bhiri, L. Sliman, and **B. Raddaoui**. Towards a formal verification approach for service component architecture. In *SOMET 2017 : 16th International Conference on Intelligent Software Methodologies, Tools, and Techniques*, pages 466 – 479, Kitakyushu, Japan, September 2017. IOS Press.

- [60] W. Chargui, T. Sakka Rouis, M. Kmimech, M. T. Bhiri, L. Sliman, and **B. Raddaoui**. Behavioral verification of service component architecture. In *26th IEEE International Conference on Enabling Technologies : Infrastructure for Collaborative Enterprises, WETICE 2017, Poznan, Poland, June 21-23, 2017*, pages 239–241, 2017.
- [61] C. Chen, **D. Zhang**, and B. Guo. DDSC : data-driven smarter cities. In IEEE, editor, *PERCOM Workshops 2014 : IEEE International Conference on Pervasive Computing and Communications*, pages 599–603, 2014.
- [62] C. Chen, **D. Zhang**, L. Sun, B. Jean-Bart, and M. Hariz. AQUEDUC : improving quality and efficiency of care for elders in real homes. In Springer-Verlag, editor, *ICOST 2013 : 11th International Conference on Smart Homes and Health Telematics*, pages 205–210, Berlin Heidelberg, 2013.
- [63] C. Chen, **D. Zhang**, Z.-H. Zhou, **T. Atmaca**, S. Li, and N. Li. B-Planner : night bus route planning using large-scale taxi GPS traces. In IEEE, editor, *PerCom'13 : IEEE International Conference on Pervasive Computing and Communications*, 2013.
- [64] C. Chen, **D. Zhang**, L. Wang, X. Ma, X. Han, and E. H. M. Sha. Taxi exp : A novel framework for city-wide package express shipping via taxi crowd sourcing. In *2014 IEEE 11th Intl Conf on Ubiquitous Intelligence and Computing and 2014 IEEE 11th Intl Conf on Autonomic and Trusted Computing and 2014 IEEE 14th Intl Conf on Scalable Computing and Communications and Its Associated Workshops, Bali, Indonesia, December 9-12, 2014*, pages 244–251, 2014.
- [65] L. Chen, **D. Zhang**, G. Pan, X. Ma, S. Li, C. Chen, and L. Wang. Container throughput estimation leveraging ship GPS traces and open data. In ACM, editor, *UbiComp 2014 : ACM International Joint Conference on Pervasive and Ubiquitous Computing*, pages 847–851, 2014.
- [66] L. Chen, **D. Zhang**, G. Pan, D. Yang, W. Zhang, S. Li, K. Kushlev, and X. Ma. Bike-share station placement leveraging heterogeneous urban open data. In ACM, editor, *UBICOMP 2015 : ACM International Joint Conference on Pervasive and Ubiquitous Computing*, pages 571–575, New York, 2015.
- [67] L. Chen, **D. Zhang**, L. Wang, X. Ma, Z. Wu, T.-M.-T. Nguyen, **J. Jakubowicz**, G. Pan, S. Li, and D. Yang. Dynamic cluster-based over-demand prediction in bike sharing systems. In ACM, editor, *UBICOMP 2016 : ACM International Joint Conference on Pervasive and Ubiquitous Computing*, pages 841–852, New York, 2016.
- [68] L. Chen, L. Wang, **D. Zhang**, G. Pan, and S. Li. EnUp : Energy-efficient data uploading for mobile crowd sensing applications. In IEEE Computer Society, editor, *UIC/ATC/ScalCom/CBDCom/IoP/SmartWorld 2016 : International Conferences on Ubiquitous Intelligence & Computing, Advanced and Trusted Computing, Scalable Computing and Communications, Cloud and Big Data Computing, Internet of People, and Smart World Congress*, pages 1074–1078, Los Alamitos, 2016.
- [69] L. Chen, D. Yang, **J. Jakubowicz**, **D. Zhang**, S. Li, and G. Pan. Sensing the pulse of urban activity centers leveraging bike sharing open data. In IEEE Computer Society, editor, *UIC 2015 : 12th IEEE International Conference on Ubiquitous Intelligence and Computing*, pages 135–142, 2015.
- [70] C. Courtais, **C. Taconet**, **D. Conan**, P. Gomes, T. Batista, E. Cavalcante, and **S. Chabridon**. IoTVar to transparently handle interactions between applications and IoT platforms. In ACM, editor, *M4IOT 2017 : 4th Workshop on Middleware and Applications for the Internet of Things*, pages 7–10, New York, 2017.
- [71] Y. Cui, B. Jin, F. Zhang, B. Han, and **D. Zhang**. Mining spatial-temporal correlation of sensory data for estimating traffic volumes on highways. In *Proceedings of the 14th EAI International Conference on Mobile and Ubiquitous Systems : Computing, Networking and Services, Melbourne, Australia, November 7-10, 2017.*, pages 343–352, 2017.
- [72] F. David, **G. Thomas**, J. Lawall, and G. Muller. Continuously measuring critical section pressure with the free-lunch profiler. In *Proceedings of the 2014 ACM International Conference on Object Oriented Programming Systems Languages & Applications, OOPSLA 2014, part of SPLASH 2014, Portland, OR, USA, October 20-24, 2014*, pages 291–307, 2014.
- [73] A. Denis and **F. Trahay**. MPI overlap : benchmark and analysis. In IEEE, editor, *ICPP 2016 : 45th International Conference on Parallel Processing*, pages 258–267, 2016.
- [74] I. Ouled Dlala, S. Jabbour, **B. Raddaoui**, and L. Sais. A parallel sat-based framework for closed frequent itemsets mining. In John N. Hooker, editor, *Principles and Practice of Constraint Programming - 24th International Conference, CP 2018, Lille, France, August 27-31, 2018, Proceedings*, volume 11008 of *Lecture Notes in Computer Science*, pages 570–587. Springer, 2018.
- [75] **D. Zhang**, H. Xiong, L. Wang, and G. Chen. CrowdRecruiter : selecting participants for piggyback crowdsensing under probabilistic coverage constraint. In ACM, editor, *UbiComp 2014 : ACM International Joint Conference on Pervasive and Ubiquitous Computing*, pages 703–714, 2014.
- [76] E. El Rachkidi, N. Agoulmene, N. Chendeb, and **D. Belaid**. Resources optimization and efficient distribution of shared virtual sensors in sensor-cloud. In IEEE Computer Society, editor, *ICC 2017 : IEEE International Conference on Communications*, pages 1–6, Los Alamitos, 2017.

- [77] E. El Rachkidi, N. Agoulmene, **D. Belaid**, and N. Chendeb. Towards an efficient service provisioning in Cloud of Things (CoT). In IEEE Computer Society, editor, *GLOBECOM 2016 : IEEE Global Communications Conference*, pages 1–6, Los Alamitos, 2017.
- [78] E. El Rachkidi, **D. Belaid**, N. Agoulmene, and N. Chendeb. Cloud of things modeling for efficient and coordinated resources provisioning. In Springer, editor, *COOPIS 2017 : 25th OTM International Conference on Cooperative Information Systems*, pages 175–193, Cham, 2017. Lecture Notes in Computer Science, vol 10573.
- [79] D. Fonte, D. Da Cruz, **A. Lopes Gancarski**, and P. Rangel Henriques. A flexible dynamic system for automatic grading of programming exercises. In Schloss Dagstuhl, editor, *SLATE13 : Symposium on Languages, Applications and Technologies*, volume 29, pages 129–144, Leibniz-Zentrum fuer Informatik, 2013. Collection : OpenAccess Series in Informatics.
- [80] D. Fonte, I. Vilas Boas, N. Oliveira, **A. Lopes Gancarski**, P. Rangel Henriques, and D. Da Cruz. Partial correctness and continuous integration in computer supported education. In Scitepress, editor, *CSEDU 2014 : 6th International Conference on Computer Supported Education*, volume 1, pages 205–212, 2014.
- [81] T. Gan, Y. Wong, **D. Zhang**, and M. S. Kankanhalli. Temporal encoded F-formation system for social interaction detection. In ACM, editor, *MM 2013 : 21st ACM International Conference on Multimedia*, pages 937–946, 2013.
- [82] R. Gao, H. Wang, D. Wu, K. Niu, E. Yi, and **D. Zhang**. A model based decimeter-scale device-free localization system using COTS wi-fi devices. In *Adjunct Proceedings of the 2017 ACM International Joint Conference on Pervasive and Ubiquitous Computing and Proceedings of the 2017 ACM International Symposium on Wearable Computers, UbiComp/ISWC 2017, Maui, HI, USA, September 11-15, 2017*, pages 241–244, 2017.
- [83] M. W. Ben Ghezala, **A. Bouzeghoub**, and C. Leroux. RSAW : a situation awareness system for autonomous robots. In IEEE, editor, *ICARCV 2014 : 13th International Conference on Control, Automation, Robotics and Vision*, pages 450–455, 2014.
- [84] L. Gidra, **G. Thomas**, J. Sopena, N. Nguyen, and M. Shapiro. NumaGiC : a garbage collector for big data on big NUMA machines. In ACM, editor, *ASPLOS 2015 : 20th International Conference on Architectural Support for Programming Languages and Operating Systems*, pages 661–673, 2015.
- [85] P. Gomes, E. Cavalcante, T. Batista, **S. Chabridon**, F. C. Delicato, P. F. Pires, **D. Conan**, and **C. Taconet**. A QoC-aware discovery service for the Internet of Things. In Springer, editor, *UCAMI 2016 : 10th International Conference on Ubiquitous Computing & Ambient Intelligence*, pages 344–355, Cham, 2016. <http://mami.uclm.es/ucami-2016/index.html>.
- [86] B. Guo, Z. Yu, **D. Zhang**, and X. Zhou. MemPhone : from personal memory aid to community memory sharing using mobile tagging. In IEEE, editor, *PerCom13 : IEEE International Conference on Pervasive Computing and Communications*, pages 332–335, 2013.
- [87] B. Guo, Z. Yu, X. Zhou, and **D. Zhang**. From participatory sensing to Mobile Crowd Sensing. In IEEE, editor, *PERCOM Workshops 2014 : IEEE International Conference on Pervasive Computing and Communications*, pages 593–598, 2014.
- [88] E. Hachicha, N. Assy, **W. Gaaloul**, and J. Mendling. A configurable resource allocation for multi-tenant process development in the cloud. In Springer, editor, *CAiSE 2016 : 28th International Conference on Advanced Information Systems Engineering*, pages 558–574, Cham, 2016.
- [89] E. Hachicha and **W. Gaaloul**. Towards resource-aware business process development in the cloud. In IEEE, editor, *AINA 2015 : 29th IEEE International Conference onAdvanced Information Networking and Applications*, pages 761–768, 2015.
- [90] E. Hachicha, **W. Gaaloul**, and Z. Maamar. Social-based semantic framework for cloud resource management in business processes. In IEEE Computer Society, editor, *SCC 2016 : 13th International Conference on Services Computing*, pages 443–450, Los Alamitos, 2016.
- [91] E. Hachicha, K. Yongsiriwit, M. Sellami, and **W. Gaaloul**. Genetic-based configurable cloud resource allocation in QoS-aware business process development. In IEEE Computer Society, editor, *ICWS 2017 : 24th International Conference on Web Services*, pages 836–839, Los Alamitos, 2017.
- [92] E. Hachicha, K. Yongsiriwit, and **W. Gaaloul**. Energy efficient configurable resource allocation in cloud-based business processes . In Springer, editor, *OTM 2016 : Confederated International Conferences "On the Move to Meaningful Internet Systems"*, pages 437–444, Cham, 2016.
- [93] L. Hadded, F. Ben Charrada, and **S. Tata**. An efficient optimization algorithm of autonomic managers in service-based applications. In Springer international publishing, editor, *OTM 2015 : Conferences On the Move to Meaningful Internet Systems*, pages 19–37, Cham, 2015.
- [94] L. Hadded, F. Ben Charrada, and **S. Tata**. Optimization and approximate placement of autonomic resources for the management of service-based applications in the cloud. In Springer, editor, *OTM 2016 : Confederated International Conferences "On the Move to Meaningful Internet Systems"*, pages 175–192, Cham, 2016.

- [95] H. Hadj Kacem, R. Ben Halima, and **S. Tata**. PROMASC track report of provisioning and management of service oriented architecture and cloud computing. In IEEE, editor, *WETICE 2014 : IEEE 23rd International Conference on Enabling Technologies : Infrastructure for Collaborative Enterprises*, pages 351–352, 2014.
- [96] S. Hamdi, **A. Bouzeghoub**, **A. Lopes Gancarski**, and S. Ben Yahia. TISON : trust inference computation for online social networks. In IEEE, editor, *TRUSTCOM 2013 : 12th IEEE International Conference on Trust, Security and Privacy in Computing and Communications*, pages 210–217, 2013.
- [97] S. Hamdi, **A. Lopes Gancarski**, **A. Bouzeghoub**, and S. Ben Yahia. Linking trust in social networks with the semantic web : FOAF case. In *MLDAS 2015 : International Machine Learning and Data Analytics Symposium (MLDAS 2015)*, 2015.
- [98] S. Hamdi, **A. Lopes Gancarski**, **A. Bouzeghoub**, and S. Ben Yahia. A new fuzzy clustering approach for reputation management in OSNs. In IEEE Computer Society, editor, *TRUSTCOM 2017 : 16th International Conference on Trust, Security and Privacy in Computing and Communications*, pages 586–593, Los Alamitos, 2017.
- [99] S. Hamdi, **A. Lopes Gancarski**, **A. Bouzeghoub**, and S. Ben Yahia. Reputation management in Online Social Networks : a new clustering-based approach. In SciTePress, editor, *SECRYPT 2017 : 14th International Conference on Security and Cryptography*, volume 6, pages 468–473, Setúbal, 2017.
- [100] R. Iakymchuk and **F. Trahay**. Performance Analysis on Energy Efficient High-Performance Architectures. In *CC'13 : International Conference on Cluster Computing*, Lviv, Ukraine, June 2013.
- [101] S. Jabbour, F. Ezzahra Mana, I. Ouled Dlala, **B. Raddaoui**, and L. Sais. On maximal frequent itemsets mining with constraints. In John N. Hooker, editor, *Principles and Practice of Constraint Programming - 24th International Conference, CP 2018, Lille, France, August 27-31, 2018, Proceedings*, volume 11008 of *Lecture Notes in Computer Science*, pages 554–569. Springer, 2018.
- [102] S. Jabbour, N. Mhadhbi, **B. Raddaoui**, and L. Sais. Finding overlapping communities in networks using propositional satisfiability. In *EDA 2017 : Journées francophones sur les Entrepôts de Données et l'Analyse en Ligne, Business Intelligence & Big Data*, volume RNTI-B-13, pages 67 – 80, Lyon, France, May 2017. Editions RNTI .
- [103] S. Jabbour, N. Mhadhbi, **B. Raddaoui**, and L. Sais. A sat-based framework for overlapping community detection in networks. In *Advances in Knowledge Discovery and Data Mining - 21st Pacific-Asia Conference, PAKDD 2017, Jeju, South Korea, May 23-26, 2017, Proceedings, Part II*, pages 786–798, 2017.
- [104] S. Jabbour, N. Mhadhbi, **B. Raddaoui**, and L. Sais. Triangle-driven community detection in large graphs using propositional satisfiability. In L. Barolli, M. Takizawa, T. Enokido, M-R. Ogiela, L. Ogiela, and N. Javaid, editors, *32nd IEEE International Conference on Advanced Information Networking and Applications, AINA 2018, Krakow, Poland, May 16-18, 2018*, pages 437–444. IEEE Computer Society, 2018.
- [105] A. Jarraya, K. Arour, **A. Bouzeghoub**, and A. Borgi. Feature selection based on Choquet integral for human activity recognition. In IEEE Computer Society, editor, *FUZZ-IEEE 2017 : IEEE International Conference on Fuzzy Systems*, pages 1–6, Los Alamitos, 2017.
- [106] A. Jarraya, K. Arour, A. Borgi, and **A. Bouzeghoub**. Distributed cooperative reasoning in ambient environment. In IEEE, editor, *AINA 2016 : 30th International Conference on Advanced Information Networking and Applications*, pages 1085–1092, 2016.
- [107] A. Jarraya, N. Ramoly, **A. Bouzeghoub**, A. Borgi, B. Finance, and K. Arour. A fuzzy semantic CEP model for situation identification in smart homes. In IOS Press, editor, *ECAI 2016 : 22nd European Conference on Artificial Intelligence*, volume 285, pages 1678–1679, 2016.
- [108] A. Jarraya, N. Ramoly, **A. Bouzeghoub**, A. Borgi, B. Finance, and K. Arour. FSCEP : a new model for context perception in smart homes . In Springer, editor, *OTM 2016 : Confederated International Conferences "On the Move to Meaningful Internet Systems"*, pages 465–484, Cham, 2016.
- [109] A. Jarraya, **A. Bouzeghoub**, A. Borgi, and K. Arour. Distributed collaborative reasoning for HAR in smart homes. In *Proceedings of the 17th International Conference on Autonomous Agents and MultiAgent Systems, AAMAS 2018, Stockholm, Sweden, July 10-15, 2018*, pages 1971–1973, 2018.
- [110] M. Kachroudi, S. Zghal, and **S. Ben Yahia**. Paramétrage intelligent de l’alignement d’ontologies par l’intégrale de Choquet. In Hermann Editions, editor, *EGC 2013 : 13e Conférence Francophone sur l’Extraction et la Gestion des Connaissances*, volume RNTI-E-24, pages 377–382, 2013. Collection : Revue des Nouvelles Technologies de l’Information.
- [111] K. Klai, H. Ochi, and **S. Tata**. Formal abstraction and compatibility checking of web services. In IEEE Computer Society, editor, *ICWS 2013 : 20th International Conference on Web Services*, pages 163–170, 2013. Co-located with CLOUD 13, SCC 13, MS 13, BigData 13, SERVICES 13.
- [112] K. Klai and **S. Tata**. Formal modeling of elastic service-based business processes. In IEEE Computer Society, editor, *SCC 2013 : 10th IEEE International Conference on Services Computing*, pages 424–431, 2013.

- [113] C. Labba, N. Assy, N. Bellamine, and **W. Gaaloul**. Adaptive Deployment of Service-Based Processes into Cloud Federations. In Springer, editor, *International Conference on Web Information Systems Engineering WISE 2017*, pages 275–289, Cham, 2017. Lecture Notes in Computer Science, vol 10569.
- [114] T. Labidi, A. Mtibaa, **W. Gaaloul**, and F. Gargouri. Ontology-based SLA negotiation and re-negotiation for cloud computing. In IEEE Computer Society, editor, *WETICE 2017 : 26th International Conference on Enabling Technologies : Infrastructure for Collaborative Enterprises*, pages 36–41, Los Alamitos, 2017.
- [115] T. Labidi, A. Mtibaa, **W. Gaaloul**, F. Gargouri, and **S. Tata**. Cloud SLA modeling and monitoring. In IEEE Computer Society, editor, *SCC 2017 : 14th International Conference on Services Computing*, pages 338–345, Los Alamitos, 2017.
- [116] A. Lahouij, L. Hamel, M. Graiet, **W. Gaaloul**, and A. Elkhalfa. A global SLA-aware approach for aggregating services in the cloud. In Springer, editor, *OTM 2016 : Confederated International Conferences "On the Move to Meaningful Internet Systems"*, pages 363–380, Cham, 2016.
- [117] A. Lara, P. Rangel Henriques, and **A. Lopes Gancarski**. Visualization of ontology evolution using OntoDiff-Graph. In Schloss Dagstuhl Leibniz-Zentrum fuer Informatik, editor, *SLATE 2017 : 6th Symposium on Languages, Applications and Technologies*, pages 14:1–14:8, Wadern, 2017. OASIcs volume 56.
- [118] J. Li, L. Wei, **D. Zhang**, C. Liu, H. Yu, and Q. Zhang. Sampling rate tracking control of networked control systems based on cognitive knowledge of packet disordering. In *9th Asian Control Conference, ASCC 2013, Istanbul, Turkey, June 23-26, 2013*, pages 1–8, 2013.
- [119] P. Li, **E. Brunet, Trahay, F., G. Thomas**, R. Namyst, and **Parrot, C.** Automatic OpenCL code generation for multi-device heterogeneous architectures . In IEEE, editor, *ICPP 2015 : 44th International Conference on Parallel Processing*, pages 959–968, 2015.
- [120] P. Li, **E. Brunet**, and R. Namyst. High-performance code generation for stencil computations on heterogeneous multi-device architectures. In *HPPC 2013 : 15th IEEE International Conference on High Performance Computing and Communications*, Zhangjiajie, China, November 2013. IEEE.
- [121] S. Li, X. Li, K. Niu, H. Wang, Y. Zhang, and **D. Zhang**. Ar-alarm : An adaptive and robust intrusion detection system leveraging CSI from commodity wi-fi. In *Enhanced Quality of Life and Smart Living - 15th International Conference, ICOST 2017, Paris, France, August 29-31, 2017, Proceedings*, pages 211–223, 2017.
- [122] X. Li, S. Li, **D. Zhang**, J. Xiong, Y. Wang, and H. Mei. Dynamic-music : accurate device-free indoor localization. In *Proceedings of the 2016 ACM International Joint Conference on Pervasive and Ubiquitous Computing, UbiComp 2016, Heidelberg, Germany, September 12-16, 2016*, pages 196–207, 2016.
- [123] L. Lim and **D. Conan**. Distributed event-based system with multiscoping for multiscalability. In ACM, editor, *MW4NG 2014 : 9th Workshop on Middleware for Next Generation Internet Computing*, volume Article n 3, 2014.
- [124] Q. Lin, **D. Zhang**, D. Li, X. Zhou, and H. Ni. Extracting intra- and inter-activity association patterns from daily routines of elders. In Springer-Verlag, editor, *ICOST 2013 : 11th International Conference on Smart Homes and Health Telematics*, pages 36–44, Berlin Heidelberg, 2013.
- [125] Y. Liu, B. Guo, H. Du, **D. Zhang**, C. Chen, and Z. Yu. FooDNet : optimized on demand take-out food delivery using spatial crowdsourcing. In ACM, editor, *MOBICOM 2017 : 23rd Annual International Conference on Mobile Computing and Networking*, pages 564–566, New York, 2017.
- [126] Y. Liu, B. Guo, Y. Wang, Z. Yu, **D. Zhang**, and W. Wu. TaskMe : multi-task allocation in mobile crowd sensing. In ACM, editor, *UBICOMP 2016 : ACM International Joint Conference on Pervasive and Ubiquitous Computing*, pages 403–414, New York, 2016.
- [127] J. Ma, H. Wang, **D. Zhang**, Y. Wang, and Y. Wang. A survey on wi-fi based contactless activity recognition. In *2016 Intl IEEE Conferences on Ubiquitous Intelligence & Computing, Advanced and Trusted Computing, Scalable Computing and Communications, Cloud and Big Data Computing, Internet of People, and Smart World Congress (UIC/ATC/ScalCom/CBDCom/IoP/SmartWorld), Toulouse, France, July 18-21, 2016*, pages 1086–1091, 2016.
- [128] J. Ma, Y. Wang, H. Wang, Y. Wang, and **D. Zhang**. When can we detect human respiration with commodity wifi devices ? In *Proceedings of the 2016 ACM International Joint Conference on Pervasive and Ubiquitous Computing, UbiComp Adjunct 2016, Heidelberg, Germany, September 12-16, 2016*, pages 325–328, 2016.
- [129] S. Maia Dias, **A. Lopes Gancarski**, and P. Rangel Henriques. Automatic generation of CVs from online social networks. In Fundación General UCM, editor, *SLATE 2015 : Symposium on Languages, Applications and Technologies*, volume Proceedings of the 2015 Symposium on Languages, Applications and Technologies, SLATE15, pages 23–28, 2015.
- [130] T. Malheiro, P. Rangel Henriques, and **A. Lopes Gancarski**. Sistema de safe-return-home em tempo real para continental Portugal . In Associação Ibérica de Sistemas e Tecnologias de Informação, editor, *CISTI 2017 : 12th Iberian Conference on Information Systems and Technologies*, pages 1793–1798, Silvares - Lousada, 2017.

- [131] P. Marie, T. Desprats, **S. Chabridon**, and M. Sibilla. QoCIM : a meta-model for quality of context. In Springer-Verlag, editor, *CONTEXT 2013 : 8th International and Interdisciplinary Conference on Modeling and Using Context*, pages 302–315, Berlin Heidelberg, 2013.
- [132] P. Marie, T. Desprats, **S. Chabridon**, and M. Sibilla. QoCIM : un métamodèle de qualité de contexte. In *UbiMob13 : 9èmes journées francophones Mobilité et Ubiquité*, 2013.
- [133] P. Marie, T. Desprats, **S. Chabridon**, and M. Sibilla. Extending ambient intelligence to the Internet of Things : new Challenges for QoC management. In Springer international publishing, editor, *UCAMI 2014 : 8th International Conference on Ubiquitous Computing & Ambient Intelligence*, volume 8867, pages 224–231, Cham, 2014.
- [134] P. Marie, T. Desprats, **S. Chabridon**, and M. Sibilla. Enabling self-configuration of QoC-centric fog computing entities. In IEEE Computer Society, editor, *ATC 2016 : 13th IEEE International Conference on Advanced and Trusted Computing*, pages 526–533, Los Alamitos, 2016.
- [135] P. Marie, L. Lim, A. Manzoor, **D. Conan**, T. Desprats, and **S. Chabridon**. QoC-aware context data distribution in the internet of things. In ACM, editor, *M4IOT 2014 : Proceedings of the 1st ACM Workshop on Middleware for Context-Aware Applications in the IoT*, pages 13–18, New York, 2014.
- [136] S. Machara Marquez, **S. Chabridon**, and **C. Taconet**. Trust-based context contract models for the Internet of Things. In IEEE, editor, *UIC/ATC 2013 : 10th International Conference on Ubiquitous Intelligence and Computing and 10th International Conference on Autonomic and Trusted Computing*, pages 557–562, 2013.
- [137] N. Masmoudi-Gargouri and **D. Conan**. Contrats de contexte pour la gestion de contexte répartie . In *UbiMob 2013 : 9èmes journées francophones Mobilité et Ubiquité*, pages 1–8, 2013. 19102.
- [138] P. Merle, O. Barais, J. Parpaillon, **S. Tata**, and N. Plouzeau. A precise metamodel for Open Cloud Computing Interface. In IEEE, editor, *CLOUD 2015 : 8th International Conference on Cloud Computing*, pages 852–859, 2015.
- [139] D. Millot and **C. Parrot**. Setting up clusters of computing units to process several data streams efficiently. In *PPAM 2013 : 10th International Conference on Parallel Processing and Applied Mathematics*, Warsaw, Poland, September 2013. Springer.
- [140] D. Millot and **C. Parrot**. Setting up clusters of computing units to process several data streams efficiently. In *Parallel Processing and Applied Mathematics - 10th International Conference, PPAM 2013, Warsaw, Poland, September 8-11, 2013, Revised Selected Papers, Part II*, pages 49–61, 2013.
- [141] M. Mohamed, **D. Belaid**, and **S. Tata**. Adding monitoring and reconfiguration facilities for service-based applications in the cloud. In IEEE, editor, *AINA13 : The 27th IEEE International Conference on Advanced Information Networking and Applications*, pages 756–763, 2013.
- [142] M. Mohamed, **D. Belaid**, and **S. Tata**. Monitoring and reconfiguration for OCCI resources. In IEEE, editor, *CLOUDCOM 2013 : 5th IEEE International Conference on Cloud Computing Technology and Science*, volume 1, pages 539–546, 2013.
- [143] M. Mohamed, **D. Belaid**, and **S. Tata**. Monitoring of SCA-based applications in the cloud. In SciTePress, editor, *CLOSER 2013 : 3rd International Conference on Cloud Computing and Services Science*, pages 47–57, 2013. In conjunction with WEBIST 2013, SMARTGREENS 2013 and CSEDU 2013.
- [144] M. Mohamed, **D. Belaid**, and **S. Tata**. Self-managed micro-containers for service-based applications in the cloud. In IEEE Computer Society, editor, *WETICE13 : 22nd IEEE International Conference on Enabling Technologies : Infrastructures for Collaborative Enterprises*, pages 140–145, 2013.
- [145] M. S. Mosli Bouksiaa, **F. Trahay**, and **G. Thomas**. Détection automatique d'interférences entre threads. In *COMPAS 2016 : Conférence en Parallélisme, Architecture et Système*, pages 1–7, 2016.
- [146] Z. Movahedi and **B. Defude**. A high-level service composition model for building applications on sensor networks . In IEEE Computer Society, editor, *WETICE13 : 22nd IEEE International Conference on Enabling Technologies : Infrastructures for Collaborative Enterprises*, pages 202–207, 2013.
- [147] M. Mrissa, M. Sellami, P. De Vettor, **B. Defude**, and D. Benslimane. A decentralized mediation-as-a-service architecture for service composition. In IEEE Computer Society, editor, *WETICE13 : 22nd IEEE International Conference on Enabling Technologies : Infrastructures for Collaborative Enterprises*, pages 80–85, 2013.
- [148] H. Mukhtar and **D. Belaid**. User-centric personalisation in next-generation persuasive healthcare systems. In *JPT13 : Journées Thématisques de l'ADRIPS : De la Persuasion à la Persuasion Technologique*, pages 15–17, 2013.
- [149] H. Mukhtar and **D. Belaid**. Using adaptive feedback for promoting awareness about physical activeness in adults. In IEEE, editor, *UIC/ATC 2013 : 10th IEEE International Conference on Ubiquitous Intelligence & Computing & 10th International Conference on Autonomic and Trusted Computing*, pages 638–643, 2013.
- [150] N. Aussel, **Y. Petetin**, and **S. Chabridon**. Improving performances of log mining for anomaly prediction through nlp-based log parsing. In *MASCOTS 2018 : 26th IEEE International Symposium on the Modeling, Analysis, and Simulation of Computer and Telecommunication Systems*, 2018.

- [151] N. C. Nguyen and **W. Gaaloul**. Querying services based on composition context. In IEEE, editor, *WETICE 2014 : IEEE 23rd International Conference on Enabling Technologies : Infrastructure for Collaborative Enterprises*, pages 44–49, 2014.
- [152] N. C. Nguyen, K. Yongsiriwit, **W. Gaaloul**, and J. Mendling. Mining event logs to assist the development of executable process variants. In Springer international publishing, editor, *CAISE 2014 : 26th International Conference on Advanced Information Systems Engineering*, volume 8484, pages 548–563, Cham, 2014.
- [153] D. Oudart, J. Cantenot, F. Boulanger, and **S. Chabridon**. Démarche de conception d'un réseau électrique intelligent et de son système d'information par cosimulation. In *CIEL 2018 : 7ème Conférence en Ingénierie du Logiciel*, pages 9–1 – 9–5, Grenoble, France, June 2018. CNRS.
- [154] **P. Sutra**, E. Rivière, C. Cotes, P. Garcia Lopez, W. Burns, G. Zamarreño, E. Bernard, and M. Sánchez Artigas. CRESON : Callable and Replicated Shared Objects over NoSQL. In IEEE Computer Society, editor, *ICDCS 2017 : IEEE 37th International Conference on Distributed Computing Systems*, pages 115–128, Los Alamitos, 2017.
- [155] G. Qi, G. Pan, S. Li, Z. Wu, **D. Zhang**, L. Sun, and L. T. Yang. How long a passenger waits for a vacant taxi - large-scale taxi trace mining for smart cities. In *2013 IEEE International Conference on Green Computing and Communications (GreenCom) and IEEE Internet of Things (iThings) and IEEE Cyber, Physical and Social Computing (CPSCom), Beijing, China, August 20-23, 2013*, pages 1029–1036, 2013.
- [156] B. Raja, H. Teyeb, A. Balma, N. Ben Hadj Alouane, and **S. Tata**. Evaluation of traffic-aware VM placement policies in distributed Cloud using CloudSim. In IEEE Computer Society, editor, *WETICE 2016 : 25th International Conference on Enabling Technologies : Infrastructure for Collaborative Enterprises*, pages 95–100, Los Alamitos, 2016.
- [157] M. Rakoczy, **A. Bouzeghoub**, K. Wegrzyn-Wolska, and **A. Lopes Gancarski**. Users views on others : analysis of confused relation-based terms in social network. In Springer, editor, *OTM 2016 : Confederated International Conferences "On the Move to Meaningful Internet Systems"*, pages 155–174, Cham, 2016.
- [158] M-E. Rakoczy, **A. Bouzeghoub**, **A. Lopes Gancarski**, and K. Wegrzyn-Wolska. Reputation prediction using influence conversion. In *TrustCom 2018 : The 17th IEEE International Conference On Trust, Security And Privacy In Computing And Communications*, 2018.
- [159] M-E. Rakoczy, **A. Bouzeghoub**, **A. Lopes Gancarski**, and K. Wegrzyn-Wolska. Influence in time-dependent citation networks. In *12th International Conference on Research Challenges in Information Science, RCIS 2018, Nantes, France, May 29-31, 2018*, pages 1–11. IEEE, 2018.
- [160] N. Ramoly, **A. Bouzeghoub**, and B. Finance. Context-aware planning by refinement for personal robots in smart homes. In VDE, editor, *ISR 2016 : 47th International Symposium on Robotics*, pages 507–514, Berlin ; Offenbach, 2016.
- [161] N. Ramoly, **A. Bouzeghoub**, and B. Finance. A causal multi-armed bandit approach for domestic robotsfailure avoidance. In Springer, editor, *ICONIP 2017 : 24th International Conference on Neural Information Processing*, pages 90–99, Cham, 2017. Lecture Notes in Computer Science, vol 10639.
- [162] N. Ramoly, V. Vassout, **A. Bouzeghoub**, M. Hariz, and **M. El Yacoubi**. Refining visual activity recognition with semantic reasoning. In IEEE Computer Society, editor, *AINA 2017 : IEEE 31st International Conference on Advanced Information Networking and Applications*, pages 720–727, Los Alamitos, 2017.
- [163] V. Raychoudhury, A. D. Kshemkalyani, **D. Zhang**, M. Bakshi, V. Mittal, S. Maheshwari, K. Gupta, and J. Cao. Automatic event scheduling in mobile social network communities. In IEEE, editor, *SOCIALCOM 2013 : International Conference on Social Computing*, pages 403–410, 2013.
- [164] M. Rekik, K. Boukadi, **N. Assy**, H. Ben-Abdallah, and **W. Gaaloul**. A linear program for optimal configurable business processes deployment into cloud federation. In IEEE Computer Society, editor, *SCC 2016 : 13th International Conference on Services Computing*, pages 34–41, Los Alamitos, 2016.
- [165] M. Rekik, K. Boukadi, **W. Gaaloul**, and H. Ben-Abdallah. Anti-pattern specification and correction recommendations for semantic cloud services. In AIS Electronic Library, editor, *HICSS 2017 : 50th Hawaii International Conference on System Sciences*, pages 4231–4240, 2017.
- [166] T. F. Rezende, **P. Sutra**, R. Q. Saramago, and L. Camargos. On making Generalized Paxos practical. In IEEE Computer Society, editor, *AINA 2017 : 31st IEEE International Conference on Advanced Information Networking and Applications*, pages 347–354, Los Alamitos, 2017.
- [167] S. Rottenberg, S. Leriche, **C. Taconet**, T. Desprats, and **C. Lecocq**. MuScA : a multiscale characterization framework for complex distributed systems . In IEEE, editor, *FEDCSIS 2014 : Federated Conference on Computer Science and Information Systems*, pages 1657–1665, 2014.
- [168] S. Rottenberg, S. Leriche, **C. Taconet**, T. Desprats, and **C. Lecocq**. MuScA : a multiscale distributed systems scale-awareness framework. In *CAL 2014 : Conférence francophone sur les architectures logicielles*, pages 1–14, 2014.

- [169] V. A. Sartakov, S. Brenner, S. Ben Mokhtar, S. Bouchenak, **Thomas, G.**, and R. Kapitza. Eactors : Fast and flexible trusted computing using sgx. In *Proceedings of the International Conference on Middleware, Middleware'18*, page 12. ACM, 2018.
- [170] **S. Chabridon, A. Bouzeghoub**, A. Ahmed Nacer, T. Desprats, and P. Marie. Unified modeling of quality of context and quality of situation for context-aware applications in the internet of things. In Springer, editor, *CONTEXT 2017 : 10th International and Interdisciplinary Conference on Modeling and Using Context*, volume Lecture Notes in Computer Science 10257, pages 370–374, 2017.
- [171] **S. Chabridon, D. Conan**, T. Desprats, **C. Taconet**, P. Marie, S. Rottenberg, L. Lim, and M. Mbarki. A framework for multiscale-, QoC- and privacy-aware context dissemination in the Internet of Things. In Springer international publishing, editor, *COLLABORATECOM 2015 : 11th EAI International Conference on Collaborative Computing : Networking, Applications and Worksharing*, pages 207–218, Cham, 2016. Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering.
- [172] R. Seghiri, F. Boulanger, **C. Lecocq**, and V. Godefroy. Simulation des Systèmes d'Information des Smart Grids : une approche par points de vue. In *Inforsid 2015 : 33e congrès d'INformatique des ORganisations et Systèmes d'Information et de Décision*, pages 65–80, 2015.
- [173] R. Seghiri, F. Boulanger, **C. Lecocq**, and V. Godefroy. An executable model driven framework for enterprise architecture application to the Smart Grids context. In IEEE Computer Society, editor, *HICSS 2016 : 49th Hawaii International Conference on System Sciences*, pages 4546–4555, 2016.
- [174] R. Seghiri, F. Boulanger, V. Godefroy, and **C. Lecocq**. Simulation orientée utilisateur des Systèmes d'Information des Smart Grids. In Université Nice Sophia Antipolis, editor, *CIEL 2014 : 3ème Conférence en Ingénierie du Logiciel*, pages 86–87, 2014.
- [175] M. Sellami, S. Yangu, M. Mohamed, and **S. Tata**. PaaS-independent provisioning and management of applications in the cloud. In IEEE Computer Society, editor, *CLOUD 2013 : IEEE 6th International Conference on Cloud Computing*, pages 693–700, 2013.
- [176] R. Sellami, S. Bhiri, and **B. Defude**. ODBAPI : a unified REST API for relational and NoSQL data stores. In IEEE, editor, *BIGDATA 2015 : 3rd International Congress on Big Data*, pages 653–660, 2014.
- [177] R. Sellami, M. Vedrine, S. Bhiri, and **B. Defude**. Automating resources discovery for multiple data stores cloud applications. In Scitepress, editor, *CLOSER 2015 : 5th International Conference on Cloud Computing and Services Science*, pages 397–405, 2015.
- [178] H. Sfar and **A. Bouzeghoub**. Dynamic streaming sensor data segmentation for smart environment applications. In Springer, editor, *ICONIP 2018 : 24th International Conference on Neural Information Processing*, Cham, 2018.
- [179] H. Sfar, **A. Bouzeghoub**, N. Ramoly, and **J. Boudy**. A novel hybrid model for activity recognition. In Springer, editor, *MDAI 2017 : 14th international conference on Modeling Decisions for Artificial Intelligence*, pages 170–182, Cham, 2017. Lecture Notes in Computer Science, vol 10571.
- [180] H. Sfar, **A. Bouzeghoub**, N. Ramoly, and **J. Boudy**. AGACY monitoring : a hybrid model for activity recognition and uncertainty handling. In Springer, editor, *ESWC 2017 : 14th European Semantic Web Conference*, volume 1, pages 254–269, Cham, 2017. Lecture Notes in Computer Science, vol 10249.
- [181] H. Sfar, A. Habacha Chaibi, **A. Bouzeghoub**, and H. Benghezala. Gold standard based evaluation of ontology learning techniques. In ACM, editor, *SAC 2016 : 31st Symposium on Applied Computing*, pages 339–346, New York, 2016.
- [182] H. Sfar, N. Ramoly, **A. Bouzeghoub**, and B. Finance. CAREDAS : Context and Activity Recognition Enabling Detection of Anomalous Situation. In Springer, editor, *AIME 2017 : 16th Conference on Artificial Intelligence in Medicine*, pages 24–36, Cham, 2017.
- [183] H. Sfar, **Raddaoui, B.**, and **A. Bouzeghoub**. Reasoning under conflicts in smart environment. In Springer, editor, *ICONIP 2017 : 24th International Conference on Neural Information Processing*, pages 924–934, Cham, 2017. Lecture Notes in Computer Science, vol 10639.
- [184] **S. Tata**, M. Mohamed, S. Takashi, O. Anya, L. Heiko, and M. Nagapramod. rSLA : a Service Level Agreement language for cloud services. In IEEE Computer Society, editor, *CLOUD 2016 : 9th IEEE International Conference on Cloud Computing*, pages 415–422, Los Alamitos, 2016.
- [185] K. Suri, A. Cuccuru, J. Cadavid, **W. Gaaloul**, **S. Tata**, and S. Gerard. Model-based development of modular complex systems for accomplishing system integration for industry 4.0. In Scitepress, editor, *MODELSWARD 2017 : 5th International Conference on Model-Driven Engineering and Software Development*, pages 487–495, Setúbal, 2017.
- [186] K. Suri, **W. Gaaloul**, and A. Cuccuru. Configurable iot-aware allocation in business processes. In João Eduardo Ferreira, G. Spanoudakis, Y. Ma, and L-J. Zhang, editors, *Services Computing - SCC 2018 - 15th International Conference, Held as Part of the Services Conference Federation, SCF 2018, Seattle, WA, USA, June 25-30, 2018, Proceedings*, volume 10969 of *Lecture Notes in Computer Science*, pages 119–136. Springer, 2018.

- [187] K. Suri, **W. Gaaloul**, A. Cuccuru, and S. Gerard. Semantic framework for Internet of Things-aware business process development. In IEEE Computer Society, editor, *WETICE 2017 : 26th International Conference on Enabling Technologies : Infrastructure for Collaborative Enterprises*, pages 214–219, Los Alamitos, 2017.
- [188] Z. Tang, P. Li, S. Guo, H. Jin, **D. Zhang**, and X. Liao. Selective traffic offloading on the fly : a machine learning approach. In IEEE Computer Society, editor, *ICDCS 2017 : 37th IEEE International Conference on Distributed Computing Systems*, pages 2386–2392, Los Alamitos, 2017.
- [189] **D. Conan**, L. Lim, **C. Tacconet**, **C. Lecocq**, and **S. Chabridon**. A multiscale approach for a distributed event-based Internet of Things. In IEEE Computer Society, editor, *PICOM 2017 : 15th International Conference on Pervasive Intelligence and Computing*, pages 844–852, Los Alamitos, 2017.
- [190] **D. Zhang**, M. Li, and J. Li. A data-driven methodology for solving the control strategy of descriptor systems. In *9th Asian Control Conference, ASCC 2013, Istanbul, Turkey, June 23-26, 2013*, pages 1–6, 2013.
- [191] **D. Zhang**, S. Li, K. Yang, and Y. Jing. An error concealment adaptive framework for intra-frames. In *IEEE International Conference on Image Processing, ICIP 2013, Melbourne, Australia, September 15-18, 2013*, pages 1880–1884, 2013.
- [192] **D. Zhang**, H. Wang, Y. Wang, and J. Ma. Anti-fall : A non-intrusive and real-time fall detector leveraging CSI from commodity wifi devices. In *Inclusive Smart Cities and e-Health - 13th International Conference on Smart Homes and Health Telematics, ICOST 2015, Geneva, Switzerland, June 10-12, 2015, Proceedings*, pages 181–193, 2015.
- [193] **F. Trahay**, M. Selva, L. Morel, and K. Marquet. NumaMMA : NUMA MeMory Analyzer. In *ICPP 2018 - 47th International Conference on Parallel Processing*, Eugene, United States, August 2018.
- [194] **P. Sutra**, P. Marlier, V. Schiavoni, and **F. Trahay**. Boosting transactional memory with stricter serializability. In G. Di Marzo Serugendo and M. Loreti, editors, *Coordination Models and Languages - 20th IFIP WG 6.1 International Conference, COORDINATION 2018, Held as Part of the 13th International Federated Conference on Distributed Computing Techniques, DisCoTec 2018, Madrid, Spain, June 18-21, 2018. Proceedings*, volume 10852 of *Lecture Notes in Computer Science*, pages 231–251. Springer, 2018.
- [195] **Trahay, F., E. Brunet**, M. S. Mosli Bouksiaa, and J. Liao. Selecting points of interest in traces using patterns of events. In IEEE, editor, *PDP 2015 : 23rd Euromicro International Conference on Parallel, Distributed and Network-Based Processing*, pages 70–77, 2015.
- [196] H. Teyeb, A. Balma, N. Ben Hadj Alouane, and **S. Tata**. Optimal virtual machine placement in large-scale cloud systems. In IEEE, editor, *CLOUD 2014 : 7th International Conference on Cloud Computing*, pages 424–431, 2014.
- [197] H. Teyeb, A. Balma, **S. Tata**, and N. Ben Hadj Alouane. Traffic-aware virtual machine migration scheduling problem in geographically distributed data centers. In IEEE Computer Society, editor, *CLOUD 2016 : 9th IEEE International Conference on Cloud Computing*, pages 798–801, Los Alamitos, 2016.
- [198] G. Voron, **G. Thomas**, V. Quéma, and P. Sens. An interface to implement NUMA policies in the Xen hypervisor. In ACM, editor, *EuroSys 2017 : 12th European Conference on Computer Systems*, pages 453–467, New-York, 2017.
- [199] G. Voron, **G. Thomas**, P. Sens, and V. Quéma. Optimisation mémoire dans une architecture NUMA : comparaison des gains entre natif et virtualisé. In *COMPAS 2015 : Conférence en Parallelisme, Architecture et Système*, 2015.
- [200] D. Wang, A.Tan, and **D. Zhang**. Non-intrusive robust human activity recognition for diverse age groups. In *IEEE/WIC/ACM International Conference on Web Intelligence and Intelligent Agent Technology, WI-IAT 2015, Singapore, December 6-9, 2015 - Volume II*, pages 368–375, 2015.
- [201] D. Wang, B. Subagja, Y. Kang, **D. Zhang**, and A.-H. Tan. Towards intelligent caring agents for Aging-In-Place : issues and challenges. In IEEE, editor, *CIHLI 2014 : IEEE Symposium on Computational Intelligence for Human-like Intelligence*, pages 1–8, 2014.
- [202] H. Wang, **D. Zhang**, J. Ma, Y. Wang, D. Wu, T. Gu, and B. Xie. Human respiration detection with commodity wifi devices : do user location and body orientation matter ? In *Proceedings of the 2016 ACM International Joint Conference on Pervasive and Ubiquitous Computing, UbiComp 2016, Heidelberg, Germany, September 12-16, 2016*, pages 25–36, 2016.
- [203] J. Wang, S. Helal, Y. Wang, and **D. Zhang**. Wselector : A multi-scenario and multi-view worker selection framework for crowd-sensing. In *2015 IEEE 12th Intl Conf on Ubiquitous Intelligence and Computing and 2015 IEEE 12th Intl Conf on Autonomic and Trusted Computing and 2015 IEEE 15th Intl Conf on Scalable Computing and Communications and Its Associated Workshops (UIC-ATC-ScalCom), Beijing, China, August 10-14, 2015*, pages 54–61, 2015.
- [204] J. Wang, Y. Wang, H. Ren, and **D. Zhang**. Situation inference by fusion of opportunistically available contexts. In *2014 IEEE 11th Intl Conf on Ubiquitous Intelligence and Computing and 2014 IEEE 11th Intl Conf on Autonomic and Trusted Computing and 2014 IEEE 14th Intl Conf on Scalable Computing and Communications and Its Associated Workshops, Bali, Indonesia, December 9-12, 2014*, pages 10–17, 2014.

- [205] J. Wang, Y. Wang, **D. Zhang**, F. Wang, Y. He, and L. Ma. Psallocator : Multi-task allocation for participatory sensing with sensing capability constraints. In *Proceedings of the 2017 ACM Conference on Computer Supported Cooperative Work and Social Computing, CSCW 2017, Portland, OR, USA, February 25 - March 1, 2017*, pages 1139–1151, 2017.
- [206] L. Wang, **D. Zhang**, A. Pathak, H. Xiong, Y. Wang, D. Yang, and C. Chen. CCS-TA : quality-guaranteed online task allocation in compressive crowdsensing. In ACM, editor, *UBICOMP 2015 : ACM International Joint Conference on Pervasive and Ubiquitous Computing*, pages 683–694, New York, 2015.
- [207] L. Wang, **D. Zhang**, and H. Xiong. effSense : energy-efficient and cost-effective data uploading in mobile crowdsensing. In ACM, editor, *UBICOMP 2013 Adjunct : ACM Conference on Pervasive and Ubiquitous Computing Adjunct Publication*, pages 1075–1086, New York, 2013.
- [208] L. Wang, W. Liu, **D. Zhang**, Y. Wang, E. Wang, and Y. Yang. Cell selection with deep reinforcement learning in sparse mobile crowdsensing. In *38th IEEE International Conference on Distributed Computing Systems, ICDCS 2018, Vienna, Austria, July 2-6, 2018*, pages 1543–1546. IEEE Computer Society, 2018.
- [209] L. Wang, **D. Zhang**, D. Yang, B. Y. Lim, and X. Ma. Differential location privacy for sparse mobile crowdsensing. In *IEEE 16th International Conference on Data Mining, ICDM 2016, December 12-15, 2016, Barcelona, Spain*, pages 1257–1262, 2016.
- [210] T. Wang, **D. Zhang**, Z. Wang, J. Jia, H. Ni, and X. Zhou. Recognizing gait pattern of parkinson’s disease patients based on fine-grained movement function features. In *2015 IEEE 12th Intl Conf on Ubiquitous Intelligence and Computing and 2015 IEEE 12th Intl Conf on Autonomic and Trusted Computing and 2015 IEEE 15th Intl Conf on Scalable Computing and Communications and Its Associated Workshops (UIC-ATC-ScalCom), Beijing, China, August 10-14, 2015*, pages 1–10, 2015.
- [211] D. Wu, **D. Zhang**, C. Xu, Y. Wang, and H. Wang. Widir : walking direction estimation using wireless signals. In *Proceedings of the 2016 ACM International Joint Conference on Pervasive and Ubiquitous Computing, UbiComp 2016, Heidelberg, Germany, September 12-16, 2016*, pages 351–362, 2016.
- [212] H. Xiong, **D. Zhang**, G. Chen, **V. Gauthier**, and L. Wang. CrowdTasker : maximizing coverage quality in Piggyback Crowdsensing under budget constraint. In IEEE Computer Society, editor, *PERCOM 2015 : International Conference on Pervasive Computing and Communications*, pages 55–62, Los Alamitos, 2015.
- [213] D. Yang, **D. Zhang**, B. Qu, and P. Cudré-Mauroux. PrivCheck : privacy-preserving check-in data publishing for personalized location based services. In ACM, editor, *UBICOMP 2016 : ACM International Joint Conference on Pervasive and Ubiquitous Computing*, pages 545–556, New York, 2016.
- [214] D. Yang, **D. Zhang**, Z. Yu, and Z. Wang. A sentiment-enhanced personalized location recommendation system. In ACM, editor, *HT13 : 24th ACM Conference on Hypertext and Social Media*, pages 119–128, New-York, 2013.
- [215] D. Yang, **D. Zhang**, Z. Yu, and Z. Yu. Fine-grained preference-aware location search leveraging crowdsourced digital footprints from LBSNs. In ACM, editor, *UbiComp 2013 : International Joint Conference on Pervasive and Ubiquitous Computing*, pages 479–488, New-York, 2013.
- [216] S. Yangui, M. Ben Nasrallah, and **S. Tata**. PaaS-independent approach to provision appropriate cloud resources for SCA-based applications deployment. In IEEE, editor, *SKG 2013 : 9th International Conference on Semantics, Knowledge and Grids*, pages 14–21, 2013.
- [217] S. Yangui, K. Klai, and **S. Tata**. Deployment of service-based processes in the cloud using Petri net decomposition. In Springer, editor, *OTM 2014 : On the Move to Meaningful Internet Systems Conferences*, volume 8841, pages 57–74, 2014.
- [218] S. Yangui and **S. Tata**. CloudServ : PaaS resources provisioning for service-based applications. In IEEE, editor, *AINA13 : The 27th IEEE International Conference on Advanced Information Networking and Applications*, pages 522–529, 2013.
- [219] T. Yeferny, K. Arour, and **A. Bouzeghoub**. An efficient peer-to-peer semantic overlay network for learning query routing. In IEEE, editor, *AINA13 : The 27th IEEE International Conference on Advanced Information Networking and Applications*, pages 1025–1032, 2013.
- [220] K. Yongsiriwit, N. C. Nguyen, and **W. Gaaloul**. Log-based process fragment querying to support process design. In IEEE, editor, *HICSS 2015 : 48th Hawaii International Conference on System Sciences*, pages 4109–4119, 2015.
- [221] K. Yongsiriwit, M. Sellami, and **W. Gaaloul**. Semantic process fragments matching to assist the development of process variants. In IEEE, editor, *SCC 2015 : 12th IEEE International Conference on Services Computing*, pages 712–719, 2015.
- [222] K. Yongsiriwit, M. Sellami, and **W. Gaaloul**. A semantic framework supporting business process variability using event logs. In IEEE Computer Society, editor, *SCC 2016 : 13th International Conference on Services Computing*, pages 163–170, Los Alamitos, 2016.

- [223] K. Yongsiriwit, M. Sellami, and **W. Gaaloul**. A semantic framework supporting cloud resource descriptions interoperability. In IEEE Computer Society, editor, *CLOUD 2016 : 9th International Conference on Cloud Computing*, pages 585–592, Los Alamitos, 2016.
- [224] Z. Yu, R. Du, B. Guo, T. Gu, **D. Zhang**, Z. Wang, and H. Xu. Who should I invite for my party? Combining user preference and influence maximization for social events. In ACM, editor, *UBICOMP 2015 : ACM International Joint Conference on Pervasive and Ubiquitous Computing*, pages 879–883, New York, 2015.
- [225] Z. Yu, **D. Zhang**, and D. Yang. Where is the largest market : ranking areas by popularity from location based social networks. In IEEE, editor, *UIC/ATC 2013 : 10th IEEE International Conference on Ubiquitous Intelligence & Computing & 10th International Conference on Autonomic and Trusted Computing*, pages 157–162, 2013.
- [226] S. Zammali, **A. Bouzeghoub**, and K. Arour. Using ontologies to build testbed for peer-to-peer information retrieval systems. In IEEE, editor, *AINA13 : The 27th IEEE International Conference on Advanced Information Networking and Applications*, pages 1033 –1040, 2013.
- [227] S. Zammali, K. Arour, and **A. Bouzeghoub**. GCAPM : a generic context-aware model in peer-to-peer environment. In Springer, editor, *DEXA 2013 : 24th International Conference on Database and Expert Systems Applications*, pages 364–371, Heidelberg;Dordrecht;London [etc.], 2013. Collection : Lecture Notes in Computer Science.
- [228] S. Zammali, K. Arour, and **A. Bouzeghoub**. A context features selecting and weighting methods for context-aware recommendation. In IEEE, editor, *COMPSAC 2015 : IEEE 39th Annual Computer Software and Applications Conference*, volume 2, pages 575–584, 2015.
- [229] S. Zammali, K. Arour, and **A. Bouzeghoub**. Fuzzy aggregation for results merging in information retrieval : an application of Choquet integral. In IEEE, editor, *FUZZ 2015 : IEEE International Conference on Fuzzy Systems*, pages 1–8, 2015.
- [230] S. Zammali, K. Arour, and **A. Bouzeghoub**. Personalization mobile P2P network using FCA based multidimensional aggregation. In IEEE, editor, *RCIS 2015 : IEEE 9th International Conference on Research Challenges in Information Science*, pages 217–228, 2015.
- [231] H. Zhao, S. Wang, G. Zhou, and **D. Zhang**. Gesture-enabled remote control for healthcare. In *Proceedings of the Second IEEE/ACM International Conference on Connected Health : Applications, Systems and Engineering Technologies, CHASE 2017, Philadelphia, PA, USA, July 17-19, 2017*, pages 392–401, 2017.
- [232] T. Zhao, H. Ni, X. Zhou, **D. Zhang**, Z. Yu, and Q. Lin. Detecting abnormal patterns of daily activities for the elderly living alone. In Springer, editor, *HIS 2014 : 3rd international conference on Health Information Science*, volume 8423, pages 95–108, 2014.

Livres et chapitres de livres

- [1] T. Batista, S. Delbruel, D. Bermbach, D. Hugues, E. Wittern, **C. Taconet**, and D. Eyers. *M4IoT 17 : December 11-15, 2017, Las Vegas, NV, USA, Proceedings of the 2017 Workshop on Middleware and Applications for the Internet of Things Fourth edition and second federated event with the MoTA workshop*. ACM, New York, 2017.
- [2] D. El Baz, J. Bourgeois, **B. Defude**, G. Han, **J. Garcia-Alfaro**, and Z. Zhou. *UIC-ATC-ScalCom-CBDCom-IoP-SmartWorld 2016 : 13th Annual International Conference on Advanced and Trusted Computing*. IEEE Computer Society, Los Alamitos, 2016.
- [3] D. Hugues, **C. Taconet**, and S. Leriche. *M4IOT 14 : proceedings of the 1st ACM Workshop on Middleware for Context-Aware Applications in the IoT : In conjunction with ACM/IFIP/USENIX ACM International Middleware Conference December 9, 2014 Bordeaux, France*. ACM, New York, NY, 2014.
- [4] D. Hugues, **C. Taconet**, and S. Leriche. *Proceedings of the 2nd ACM workshop on middleware for context-aware applications in the IoT : In conjunction with ACM/IFIP/USENIX ACM international middleware conference : December 8 2015 : Vancouver, Canada*. ACM, New York, NY, 2015.
- [5] D. Hugues, **C. Taconet**, S. Leriche, and T. Batista. *Proceedings of the 3rd ACM workshop on middleware for context-aware applications in the IoT : in conjunction with ACM/IFIP/USENIX ACM international middleware conference : December 12-13 2016, Trento Italy*. ACM, New-York, 2016.
- [6] A. Norta, **W. Gaaloul**, G. R. Gangadharan, and H. K. Dam. *Service-oriented computing : ICSOC 2015 workshops : WESOA, RMSOC, ISC, DISCO, WESE, BSCI, FOR-MOVES, Goa, India, November 16-19, 2015, revised selected papers*, volume 9586 of *Lecture notes in computer science*. Springer, Cham, 2016. DOI : 10.1007/978-3-662-50539-7.
- [7] H. Panetto, C. Debruyne, **W. Gaaloul**, A. Paschke, R. Meersman, C. A. Ardagna, and M. Papazoglou. *On the Move to meaningful internet systems : OTM 2017 conferences : confederated international conferences : CoopIS, C&TC, and ODBASE 2017 , Rhodes, Greece, October 23-27, 2017, proceedings, part II*, volume 2 of *Lecture Notes in Computer Science*. Springer, Cham, 2017.

- [8] H. Panetto, C. Debruyne, **W. Gaaloul**, A. Paschke, R. Meersman, C. A. Ardagna, and M. Papazoglou. *On the Move to meaningful internet systems : OTM 2017 conferences : confederated international conferences : CoopIS, C&TC, and ODBASE 2017, Rhodes, Greece, October 23-27, 2017, proceedings, part I*, volume 1 of *Lecture Notes in Computer Science*. Springer, Cham, 2017.
- [9] S. Reddy and **W. Gaaloul**. *25th IEEE international conference on enabling technologies : infrastructure for collaborative enterprises : WETICE 2016*. IEEE Computer Society, Los Alamitos, 2016.
- [10] M. Shapiro and **Sutra, P.** Database Consistency Models. In Sherif Sakr and Albert Zomaya, editors, *Encyclopedia of Big Data Technologies*. Springer, February 2018.
- [11] Q. Z. Sheng, E. Stroulia, **S. Tata**, and S. Bhiri. *Service-oriented computing 14th international conference, ICSOC 2016, Banff, AB, Canada, October 10-13, 2016, proceedings*, volume 9936 of *Lecture notes in computer science*. Springer international publishing, Cham, 2016. Proceedings DOI : 10.1007/978-3-319-46295-0.

ARMEDIA

Journaux

- [1] Marwa Ammar, **Mitreia, Mihai**, Marwen Hasnaoui, and Patrick Le Callet. MPEG-4 AVC stream-based saliency detection : application to robust watermarking. *Signal Processing : Image Communication*, 60:116–130, February 2018.
- [2] Ibtissame Aouraghe, Ammour Alae, Aboulem Ghita, Ghizlane Khaissidi, Mostafa Mrabti, Belahsen Faouzi, **El Yacoubi, Mounim**, and **Garcia-Salicetti, Sonia**. Automatic analysis of on-line handwriting for the early detection of neurodegenerative pathologies. *Open Science - Internet des objets*, 17(2):1 – 8, June 2017.
- [3] Fereshteh Asgari, Alexis Sultan, Haoyi Xiong, Vincent Gauthier, and **El Yacoubi, Mounim**. CT-Mapper : mapping sparse multimodal cellular trajectories using a multilayer transportation network. *Computer Communications*, 95:69 – 81, December 2016.
- [4] J.-L. Baldinger, **J. Boudy**, Y. Fouquet, and D. Istrate. Détection de situations de détresse : capteurs mobiles et d'environnement. *Techniques de l'ingénieur. Sécurité des systèmes d'information*, (Article MED4200 V1):1–52, Dec 2015.
- [5] M. Bogdan, R. Tapu, and **T. Zaharia**. When ultrasonic sensors and computer vision join forces for efficient obstacle detection and recognition. *Sensors*, 16(11):1807–1–1807–23, Oct 2016.
- [6] Mocanu Bogdan, Ruxandra Tapu, and **Zaharia, Titus**. ALICE : A smartphone assistant used to increase the mobility of visual impaired people. *Journal of ambient intelligence and smart environments*, 7(5):659–678, September 2015.
- [7] Rafel Bordas, Christophe Lefevre, Bart Veeckmans, Joe Pitt-Francis, **Fetita, Catalin**, Christopher E Brightling, David Kay, Salman Siddiqui, and Kelly S Burrowes. Development and Analysis of Patient-Based Complete Conducting Airways Models. *PLoS ONE*, 10(12):e0144105, November 2014.
- [8] **Boudy, Jerome**. Fusion de données pour la télévigilance médicale. *REE - Revue de l'électricité électronique*, (1):36 – 43, 2014.
- [9] Pierre-Yves Brillet, Marie-Pierre Debray, Jean-Louis Golmard, Yahya Ould Hmeidi, **Fetita, Catalin**, Camille Taillé, Michel Aubier, and Philippe A. Grenier. Computed Tomography Assessment of Airways Throughout Bronchial Tree Demonstrates Airway Narrowing in Severe Asthma. *Academic Radiology*, 22(6), June 2015.
- [10] Pierre-Yves Brillet, Philippe A Grenier, **Fetita, Catalin I**, Catherine Beigelman-Aubry, Yahya Ould-Hmeidi, Margarete Ortner, Gaëlle Nachbaur, Lukasz Adamek, and Pascal Chanez. Relationship between the airway wall area and asthma control score in moderate persistent asthma. *European Radiology*, 23(6):1594–602, June 2013.
- [11] J. C. Canuto, **B. Dorizzi**, J. Montalvão, and L. Matos. On the infinite clipping of handwritten signatures. *Pattern recognition letters*, (79):38–43, Aug 2016.
- [12] P. A. Cavalcante Aguilar, **Boudy, J.**, D. Istrate, **B. Dorizzi**, J.-L. Baldinger, I. Belfeki, T. Guettari, J. C. Moura Mota, and H. Medjahed. Evidential network-based multimodal fusion for fall detection. *International journal of e-health and medical communications (IJEHMC)*, 4(1):46–60, Mar 2013.
- [13] P. A. Cavalcante Aguilar, **J. Boudy**, D. Istrate, J. C. Moura Mota, and **B. Dorizzi**. A dynamic evidential network for fall detection. *IEEE journal of biomedical and health informatics*, 18(4):1103–1113, Jul 2014.
- [14] Paulo Armando Cavalcante Aguilar, **Boudy, Jerome**, Dan Istrate, Hamid Medjahed, **Dorizzi, Bernadette**, João César Moura Mota, Jean-Louis Baldinger, Toufik Guettari, and Imad Belfeki. Evidential network-based multimodal fusion for fall detection. *International Journal of E-Health and Medical Communications (IJEHMC)*, 4(1):46–60, March 2013.

- [15] Afef Chammem, **Mitreia, Mihai**, and Françoise Prêteux. Stereoscopic video watermarking : a comparative study. *Annals of Telecommunications - annales des télécommunications*, 68(11-12):673–690, December 2013.
- [16] **El Yacoubi, Mounim**, Huilong He, Fabien Roualdes, Mouna Selmi, Mossaab Hariz, and Franck Gillet. Vision-based recognition of activities by a humanoid robot. *International Journal of Advanced Robotic Systems*, 12(179):1 – 15, December 2015.
- [17] **Fetita, Catalin**, Margarete Ortner, Pierre-Yves Brillet, Francoise Preteux, and Philippe A Grenier. Volumetric quantification of airway wall in CT via collision-free active surface model : application to asthma assessment. *IEEE Transactions on Medical Imaging*, pages 1512–26, June 2014.
- [18] O. A. Galarraga C., V. Vigneron, **B. Dorizzi**, E. Desailly, and N. Khouri. Predicting postoperative knee flexion and pelvic tilt at initial contact of cerebral palsy children. *Movement & Sport Sciences - Science & Motricité*, (93):87–92, 2016.
- [19] Adriana Garboan and **Mitreia, Mihai**. Live Camera Recording Robust Video Fingerprinting. *Multimedia Systems*, 22(2):229–243, 2016.
- [20] Adriana Garboan, **Mitreia, Mihai**, and Françoise Prêteux. Cinematography sequences tracking by means of finger-printing techniques. *Annals of Telecommunications - annales des télécommunications*, 68(3-4):187–199, April 2013.
- [21] R. Giot, C. Rosenberger, and **B. Dorizzi**. A review on the public benchmark databases for static keystroke dynamics. *Computers & Security*, 55:46–61, Nov 2015.
- [22] P. Grenier, **C. Fetita**, and P.-Y. Brillet. Quantitative computed tomography imaging of airway remodeling in severe asthma. *Quantitative imaging in medicine and surgery*, 6(1):76–83, Feb 2016.
- [23] Toufik Guettari, Dan Istrate, **Boudy, Jerome, Benkelfet, Badr-Eddine**, Betty Fumel, and Jean-Christophe Daviet. Design and first evaluation of a sleep characterization monitoring system using remote contactless sensor. *IEEE Journal of Biomedical and Health Informatics*, pages 1 – 1, December 2016.
- [24] Marwen Hasnaoui and **Mitreia, Mihai**. Multi-symbol QIM video watermarking. *Signal Processing : Image Communication*, 29(1):107–127, January 2014.
- [25] **Houmani, N.** and **S. Garcia-Salicetti**. On hunting animals of the Biometric Menagerie for online signature. *PLoS One*, 11(4):1–26, Apr 2016. Article n ?e0151691.
- [26] **Houmani, Nesma**, Gérard Dreyfus, and François Vialatte. Epoch-based entropy for early screening of Alzheimer’s disease. *International Journal of Neural Systems*, 25(8):1 – 18, December 2015.
- [27] **Houmani, Nesma**, François Vialatte, Esteve Gallego-Jutglà, Gérard Dreyfus, Vi-Huong Nguyen-Michel, Jean Mariantoni, and Kiyoka Kinugawa. Diagnosis of Alzheimer’s disease with Electroencephalography in a differential framework. *PLoS ONE*, 13(3):e0193607–1 – e0193607–19, March 2018.
- [28] Mohamed Ibn Khedher, **El Yacoubi, Mounim**, and **Dorizzi, Bernadette**. Fusion of appearance and motion-based sparse representations for multi-shot person re-identification. *Neurocomputing*, 248:94 – 104, July 2017.
- [29] Euee S. Jang, Marco Mattavelli, **Preda, Marius**, Mickaël Raulet, and Hufang Sun. Reconfigurable media coding : An overview. *Signal Processing : Image Communication*, 28(10):1215–1223, November 2013.
- [30] **J. Boudy**. Fusion de données pour la télévigilance médicale. *REE : revue de l'électricité et de l'électronique*, (1):36–43, 2014.
- [31] Bojan Joveski, **Mitreia, Mihai**, Pieter Simoens, James Marshall, Françoise Prêteux, and B. Dhoedt. Semantic multimedia remote display for mobile thin clients. *Multimedia Systems*, 19(5):455–474, October 2013.
- [32] C. Kahindo, **M. A. El-Yacoubi, S. Garcia-Salicetti**, A. S. Rigaud, and V. Cristancho-Lacroix. Characterizing early stage alzheimer through spatiotemporal dynamics of handwriting. *IEEE Signal Processing Letters*, pages 1–1, 2018.
- [33] H. Khemiri, **Chollet, G.**, and **D. Petrovska-Delacrétaz**. Automatic detection of known advertisements in radio broadcast with data-driven ALISP transcriptions. *Multimedia tools and applications*, 62(1):35–49, Jan 2013.
- [34] Sang Kyun Kim, Nevadita Sahu, and **Preda, Marius** . Beginning of a new standard : Internet of Media Things. *KSII Transactions on internet and information systems*, 11(11):5182 – 5199, November 2017.
- [35] T. Lefevre, **B. Dorizzi, S. Garcia-Salicetti**, S. Belardi, and N. Lemperiere. Effective elliptic fitting for iris normalization. *Computer vision and image understanding*, 117(6):732–745, Jun 2013.
- [36] Madjid Maudi, Fakhr-Eddine Ababsa, Malik Mallem, and **Preda, Marius**. Hybrid tracking system for robust fiducials registration in augmented reality. *Signal, Image and Video Processing*, 9(4):831–849, 2015.
- [37] Gabriel Marzinotto, José Carlos Rosales Nunez, **El Yacoubi, Mounim, Garcia-Salicetti, Sonia**, Christian Kahindo Senge Muvungi, Hélène Kerhervé, Victoria Cristancho-Lacroix, and Anne-Sophie Rigaud Monnet. Age-related evolution patterns in online handwriting. *Computational and Mathematical Methods in Medicine*, 2016:3246595–1 – 3246595–15, August 2016.

- [38] Marco Mattavelli, Euee S. Jang, **Preda, Marius**, Mickaël Raulet, and Huifang Sun. Special issue on MPEG CCF. *Signal Processing : Image Communication*, 28(10):1213–1214, November 2013.
- [39] **Mitrean, Mihai** and Marwen Hasnaoui. Semi-fragile watermarking between theory and practice. *Proceedings of the Romanian Academy*, pages 328–327, October 2013.
- [40] Montalvão, J. and J. C. Canuto. A Lempel-Ziv like approach for signal classification. *Trends in Applied and Computational Mathematics (TEMA)*, 15(2):223–234, 2014.
- [41] N. Othman and **B. Dorizzi**. Impact of quality-based fusion techniques for video-based iris recognition at a distance. *IEEE transactions on information forensics and security*, 10(8):1590–1602, Aug 2015.
- [42] N. Othman, **B. Dorizzi**, and **S. Garcia-Salicetti**. OSIRIS : an open source iris recognition software. *Pattern recognition letters*, 82(2):124–131, Oct 2016.
- [43] **Preda, Marius**. 3D content processing challenges for Mixed Reality. *IEEE Communications Letters*, 9(3):16 – 20, May 2014.
- [44] Huafeng Qin and **El Yacoubi, Mounim**. Deep representation-based feature extraction and recovering for finger-vein verification. *IEEE Transactions on Information Forensics and Security*, 12(8):1816–1829, 2017.
- [45] Huafeng Qin and **El Yacoubi, Mounim**. Deep representation for finger-vein image quality assessment. *IEEE Transactions on Circuits and Systems for Video Technology*, pages 1 – 16, 2017.
- [46] Rina D Rudyanto, Sjoerd Kerkstra, Eva M Van Rikxoort, **Fetita, Catalin**, Pierre-Yves Brillet, Christophe Lefevre, and *et al*. Comparing algorithms for automated vessel segmentation in computed tomography scans of the lung : the VESSEL12 study. *Medical Image Analysis*, 18(7):1217 – 1232, September 2014.
- [47] Hugues Sansen, **Chollet, Gérard**, Cornelius Glackin, Kristiina Jokinen, Atta Badii, Maria Inès Torres, **Petrovska-Delacrétaz, Dijana**, **Boudy, Jerome**, and Stephan Schlögl. The Roberta IRONSIDE project : a cognitive and physical robot coach for dependent persons. *Modeling, measurement and control C*, 77(2):169 – 181, June 2016.
- [48] Mouna Selmi, **El Yacoubi, Mounim**, and **Dorizzi, Bernadette**. A two-layer discriminative model for human activity recognition. *IET Computer Vision*, 10(4):273 – 279, June 2016.
- [49] Ruxandra Tapu, Bogdan Mocanu, and **Zaharia, Titus**. A computer vision-based perception system for visually impaired. *Multimedia Tools and Applications*, 76(9):11771 – 11807, May 2017.
- [50] Ruxandra Tapu, Bogdan Mocanu, and **Zaharia, Titus**. DEEP-SEE : joint object detection, tracking and recognition with application to visually impaired navigational assistance. *Sensors*, 17(11):2473–1 – 2473–24, November 2017.
- [51] Arthur Truong and **Zaharia, Titus**. Laban movement analysis and hidden Markov models for dynamic 3D gesture recognition. *EURASIP Journal on image and video processing*, 2017(1):52–1 – 52–16, August 2017.
- [52] Christian Liviu Tulvan and **Preda, Marius**. 3D graphics coding in a reconfigurable environment. *Signal Processing : Image Communication*, 28(10):1239–1254, November 2013.
- [53] M. Yahiaoui, **E. Monfrini**, and **B. Dorizzi**. Markov Chains for unsupervised segmentation of degraded NIR iris images for person recognition. *Pattern recognition letters*, 82(2):116–123, Oct 2016.
- [54] M. Zerkouk, P. A. Cavalcante Aguilar, **M'Hamed, A.**, B. Messabih, and **J. Boudy**. Behavior and capability based access control model for personalized TeleHealthCare assistance. *Mobile Networks & Applications*, 19(3):392–403, Jun 2014.

Conférences

- [1] M. Affes, M. S. Meziou, Y. Lehiani, F. Ghorbel, and **M. Preda**. A content-based watermarking scheme based on Clifford Fourier transform. In Scitepress, editor, *VISIGRAPP 2016 : 11th Joint Conference on Computer Vision, Imaging and Computer Graphics Theory and Applications*, pages 372–378, 2016.
- [2] Caio Magno Aguiar De Carvalho, Christiano A. P. Rodrigues, Paulo Armando Cavalcante Aguilar, Miguel F. De Castro, Rossana Maria De Castro Andrade, **Boudy, Jerome**, and Dan Istrate. Adaptive tracking model in the framework of medical nursing home using infrared sensors. In *GLOBECOM 2015 : IEEE Global Communications Workshops*, pages 1 – 6, San Diego, United States, December 2015. IEEE Communications Society.
- [3] Amira Aljane and **Houmani, Nesma**. Alzheimer's disease diagnosis using synchrony and disorder measures. In *JDSE 2017 : 2nd Junior Conference on Data Science and Engineering*, volume 1, pages 117 – 119, Orsay, France, September 2017. JDSE.
- [4] M. Ammar, , and **Mitrean, M.** HEVC stream saliency extraction : synergies between FIT and information theory principles. In *IPTA2017 : International Conference on Image Processing Theory, Tools and Applications*, pages 1 – 5, 2017.

- [5] M. Ammar, **M. Mitrea**, I. Boujelbane, and P. Le Callet. HEVC saliency map computation. In Society for Imaging Science and Technology, editors, *ELECTRONIC IMAGING 2016 : Human Vision and Electronic Imaging XX*, pages HVEI–107–1–8, Springfield, 2016.
- [6] Marwa Ammar, **Mitrea, Mihai**, and Marwen Hasnaoui. MPEG-4 AVC saliency map computation. In *SPIE Electronic Imaging*, volume 9014 of *Proc. SPIE*, SanFrancisco, United States, 2014.
- [7] Marwa Ammar, **Mitrea, Mihai**, Marwen Hasnaoui, and Patrick Le Callet. Visual saliency in MPEG-4 AVC video stream. In *Human Vision and Electronic Imaging XX*, volume 9394 of *Proc. SPIE 9394, Human Vision and Electronic Imaging XX, 93941H*, San Francisco, California, United States, February 2015.
- [8] Katia Andrade, **Houmani, Nesma**, Dubois Bruno, and François Vialatte. Neurofeedback as a neurorehabilitation tool for memory deficits : a phase 0 clinical trial. In *NEUROTECHNIX 2017 : 5th International Congress on Neurotechnology, Electronics and Informatics*, volume 1 : CogNeuroEng, pages 14 – 16, Funchal, Portugal, October 2017. Scitepress.
- [9] D. O. Andrei, D. Istrate, **J. Boudy**, and S. Mammar. Sound environment analysis for ADL detection from Living Lab to Medical Nursing. In Development Executive Agency for Higher Education, Research and Innovation Funding, editors, *AAL 2014 : Active and Assisted Living Forum*, pages 59–65, Bucarest, 2015.
- [10] Ibtissame Aouraghe, Ammour Alae, Aboulem Ghita, Ghizlane Khaissidi, Mostafa Mrabti, Belahsen Faouzi, **El Yacoubi, Mounim**, and **Garcia-Salicetti, Sonia**. Analyse automatique de l'écriture manuscrite précoce des pathologies neurodégénératives. In *NDIDO 2017 : Conférence Nouveau Défis de l'Internet des Objects*, pages 1 – 11, Fès, Morocco, May 2017. Ecole Supérieure d'Ingénierie en Sciences Appliquées.
- [11] Atta Badii, Ryan Faulkner, Rajkumar Raval, Cornelius Glackin, and **Gérard Chollet**. Accelerated encryption algorithms for secure storage and processing in the cloud. In *2017 International Conference on Advanced Technologies for Signal and Image Processing (ATSIP), Fez, Morocco, May 22-24, 2017*, pages 1–6, 2017.
- [12] D. Benboudjema, N. Othman, **B. Dorizzi**, and **W. Pieczynski**. Challenging eye segmentation using triplet Markov spatial models. In IEEE, editor, *ICASSP 2013 : 38th International Conference on Acoustics, Speech, and Signal Processing*, pages 1927–1931, 2013.
- [13] D. Benboudjema, N. Othman, **B. Dorizzi**, and **W. Pieczynski**. Segmentation d'images des yeux par champs de Markov triplets : applications à la biométrie. In *XXIVème Colloque Gretsi*, 2013.
- [14] J. Benois-Pineau and **Mitrea, M.** Extraction of saliency in images and video : problems, methods and applications. A survey. In *IPTA2017 : International Conference on Image Processing Theory, Tools and Applications*, pages 1 – 6, 2017.
- [15] Mocanu Bogdan, Ruxandra Tapu, and **Zaharia, Titus**. Image re-ranking using graph based spanning structures and reciprocal nearest neighbors. In *34th edition of the International Conference on Consumer Electronics (ICCE 2016)*, 34th edition of the International Conference on Consumer Electronics (ICCE 2016), Las Vegas, United States, January 2016.
- [16] **Boudy, Jerome**, Jean-Louis Baldinger, Paulo Armando Cavalcante Aguilar, Pierrick Milhorat, Toufik Guettari, **Chollet, Gérard**, **El Yacoubi, Mounim**, **Dorizzi, Bernadette**, Pascal Doré, Dan Istrate, and Olivier Voltz. Ageing & TIC : healthcare monitoring for older persons, home multi-sensors data processing for dependence. In *ITMO-AVIESAN Ageing Workshop 2013 : Alliance nationale pour les sciences de la Vie et de la Santé*, page ., Paris, France, December 2013.
- [17] J. C. Canuto, **B. Dorizzi**, and J. Montalvão. Two bioinspired methods for dynamic signatures analysis. In Springer, editor, *EAHSPÍ3 : International Workshop on Emerging Aspects on Handwritten Signature Processing*, volume 8158, pages 60–68, Heidelberg;New-York;Dordrecht [etc.], 2013. In conjunction with ICIAP 13 : 17th International Conference on Image Analysis and Processing. Collection : Lecture Notes in Computer Science.
- [18] J. C. Canuto, J. Montalvão, and **B. Dorizzi**. Dynamic signatures representation using the minimum jerk principle. In IEEE, editor, *ISSNIPÍ3 : 4th IEEE Biosignals and Biorobotics Conference*, pages 1–6, 2013.
- [19] P. A. Cavalcante Aguilar, C. M. Aguiar De Carvalho, D. Istrate, T. Guettari, R. M. De Castro Andrade, P. Doré, and **J. Boudy**. Pattern activities identification in the framework of medical nursing home using infrared sensors. In International Center for Numerical Methods in Engineering, editor, *ICCB 2015 : 6th International Conference on Computational Bioengineering*, pages 1–12, Barcelona, 2015.
- [20] Paulo Armando Cavalcante Aguilar, **Boudy, Jerome**, Dan Istrate, **Dorizzi, Bernadette**, and João César Moura Mota. Réseaux évidentiels pour la fusion de données multimodales hétérogènes : application à la détection de chutes. In *XXIVème Colloque Gretsi*, Brest, France, September 2013.
- [21] **C. Fetita**, S. R. Tarando, P.-Y. Brillet, and P. Grenier. Robust lung identification in MSCT via controlled flooding and shape constraints : dealing with anatomical and pathological specificity. In SPIE Press, editor, *MEDICAL IMAGING 2016 : Biomedical Applications in Molecular, Structural, and Functional Imaging*, pages 97881A–1–10, 2016.

- [22] Sanaa Chafik, Imane Daoudi, Hamid El Ouardi, **El Yacoubi, Mounim**, and **Dorizzi, Bernadette**. Locality sensitive hashing for content based image retrieval : a comparative experimental study. In *NGNS 2014 : 5th International Conference on Next Generation Networks and Services*, pages 38 – 43, Casablanca, Morocco, May 2014. IEEE.
- [23] Sanaa Chafik, Imane Daoudi, **El Yacoubi, Mounim**, and Hamid El Ouardi. Cluster-based data oriented hashing. In *DSAA 2015 : 2nd International Conference on Data Science and Advanced Analytics*, pages 1 – 7, Paris, France, October 2015. IEEE.
- [24] Sanaa Chafik, Imane Daoudi, **El Yacoubi, Mounim**, and Hamid El Ouardi. SC-LSH : une méthode d'indexation pour une recherche de similarité approximative dans l'espace multidimensionnel. In *CORIA 2015 : 12e Conférence en Recherche d'Information et Applications*, pages 303 – 318, Paris, France, March 2015.
- [25] S. Cremer, N. Lemperiere, **B. Dorizzi**, and **S. Garcia-Salicetti**. Quality driven iris recognition improvement. In GI Edition, editor, *BIOSIG 2013 : International Conference of the Biometrics Special Interest Group*, pages 87–98, 2013.
- [26] A. Crosnier, **C. Fetita**, G. Thabut, and P.-Y. Brillet. Intrapulmonary vascular remodeling : MSCT-based evaluation in COPD and alpha-1 antitrypsin deficient subjects . In SPIE Press, editor, *Medical Imaging 2016 : Computer-Aided Diagnosis*, volume 9785-1, pages 978516-1–11, 2016.
- [27] **D. Petrovska-Delacrétaz**, A. Edwards, J. Chiasson, D. S. Pilliod S., and **Chollet, G.** Semi-automated identification of leopard frogs. In Scitepress, editor, *ICPRAM 2014 : 3rd International Conference on Pattern Recognition Applications and Methods*, pages 679–686, 2014.
- [28] **D. Petrovska-Delacrétaz**, A. Edwards, C. John, D. S. Pilliod S., and **Chollet, G.** A reference system for animal biometrics : application to the northern leopard frogs. In IEEE, editor, *ATSIP 2014 : 1st International Conference on Advanced Technologies for Signal and Image Processing*, pages 295–300, 2014.
- [29] Youssef Elfakir, Ghizlane Khaiissidi, Mostafa Mrabti, **El Yacoubi, Mounim**, Zakia Lakhliai, and Driss Chenouni. Bag-of-descriptors of SIFT for segmentation-free word spotting in handwritten Arabic documents. In *2nd International Conference on Natural Sciences and Technology in Manuscript Analysis*, Hamburg, Germany, February 2016. Centre for the Study of Manuscript Cultures.
- [30] **El Yacoubi, Mounim**, Huilong He, Fabien Roualdes, Mouna Selmi, and **Dorizzi, Bernadette**. Reconnaissance d'activités humaines par un robot humanoïde à partir de séquences vidéo. In *Congrès Handicap 2014 : 8ème édition : Les technologies d'assistance : de la compensation à l'autonomie*, pages 293 – 298, Paris, France, June 2014. IFRATH.
- [31] **Fetita, Catalin**, Pierre-Yves Brillet, Christopher E Brightling, and Philippe A Grenier. Grading remodeling severity in asthma based on airway wall thickening index and bronchoarterial ratio measured with MSCT. In *Medical Imaging 2015*, volume SPIE Proceedings Vol. 9415 of *Medical Imaging 2015 : Image-Guided Procedures, Robotic Interventions, and Modeling*, page 941515, Orlando, United States, February 2015. SPIE.
- [32] **Fetita, Catalin**, Pierre-Yves Brillet, Ruth Hartley, Philippe A Grenier, and Christopher E Brightling. 3D mapping of airway wall thickening in asthma with MSCT : a level set approach. In *Medical Imaging 2014*, volume SPIE Proceedings Vol. 9035 of *Medical Imaging 2014 : Computer-Aided Diagnosis*, page 90352I, San Diego, United States, February 2014. SPIE.
- [33] **Fetita, Catalin** , Thierry Fortemps De Loneux, Amélé Eyram Kouvahe, and Mostafa El Hajjam. Automatic detection and quantification of pulmonary arterio-venous malformations in hereditary hemorrhagic telangiectasia. In *SPIE Medical Imaging 2017 : Computer-Aided Diagnosis*, pages 1013419-1 – 1013419-9, Orlando, United States, February 2017. SPIE.
- [34] **Fetita, Catalin**, William E. Thong, and Phalla Ou. Semi-quantitative assessment of pulmonary perfusion in children using dynamic contrast-enhanced MRI. In *Medical Imaging 2013 : Computer-Aided Diagnosis*, volume 8670, page 867033, Orlando, United States, February 2013. 15 pages.
- [35] O. A. Galarraga C., N. Khouri, V. Vigneron, E. Desailly, and **B. Dorizzi**. Predicting kinematic outcome of multi-level surgery in cerebral palsy. In GCMAS ; ESMAC ; SIAMOC ; ISPGR, editor, *ESMAC 2016 : the European Society of Movement Analysis for Adults and Children International Congress*, volume 49, n ?2, pages 1–, 2016.
- [36] O. A. Galarraga C., V. Vigneron, **B. Dorizzi**, E. Desailly, and K. Néjib. Estimation of postoperative knee flexion at initial contact of cerebral palsy children using neural networks. In Scitepress, editor, *ICPRAM 2015 : 4th International Conference on Pattern Recognition Applications and Methods*, volume 2, pages 338–342, 2015.
- [37] R. R. Ganji, **M. Mitrea**, D. Panovski, and B. Joveski. Improving the RDP based applications by using HTML5 content representation. In Society for Imaging Science and Technology, editors, *ELECTRONIC IMAGING 2016 : Mobile Devices and Multimedia : Enabling Technologies, Algorithms, and Applications*, pages MOBMU-293-1–7, Springfield, 2016.
- [38] Rama Rao Ganji, **Mitrea, Mihai**, Bojan Joveski, and Afef Chammem. Cross-standard user description in mobile, medical oriented virtual collaborative environments. In *Mobile Devices and Multimedia : Enabling Technologies, Algorithms, and Applications 2015*, number 9411, page 13, San Francisco, United States, February 2015.

- [39] Rama Rao Ganji, **Mitreia, Mihai**, Dancho Panovski, and Bojan Joveski. Improving the RDP based applications by using HTML5 content representation. In *ELECTRONIC IMAGING 2016 : Mobile Devices and Multimedia : Enabling Technologies, Algorithms, and Applications*, pages MOBMU–293 – 1–7, San Francisco, United States, February 2016. Society for Imaging Science and Technology.
- [40] Ahmed Gari, Ghizlane Khaissidi, Mostafa Mrabti, Driss Chenouni, and **El Yacoubi, Mounim**. Skew detection and correction based on Hough transform and Harris corners. In *WITS 2017 : International Conference on Wireless Technologies, Embedded and Intelligent Systems*, pages 1 – 4, Fez, Morocco, April 2017. IEEE Computer Society.
- [41] R. Giot, C. Rosenberger, and **B. Dorizzi**. A new protocol to evaluate the resistance of template update systems against zero-effort attacks. In IEEE Computer Society, editor, *CVPR 2013 Biometrics Workshop*, pages 131–137, 2013.
- [42] Cornelius Glackin, **Gérard Chollet**, Nazim Dugan, Nigel Cannings, Julie A. Wall, Shahzaib Tahir, Indranil Ghosh Ray, and Muttukrishnan Rajarajan. Privacy preserving encrypted phonetic search of speech data. In *2017 IEEE International Conference on Acoustics, Speech and Signal Processing, ICASSP 2017, New Orleans, LA, USA, March 5-9, 2017*, pages 6414–6418, 2017.
- [43] Cornelius Glackin, Julie A. Wall, **Gérard Chollet**, Nazim Dugan, and Nigel Cannings. Convolutional neural networks for phoneme recognition. In *Proceedings of the 7th International Conference on Pattern Recognition Applications and Methods, ICPRAM 2018, Funchal, Madeira - Portugal, January 16-18, 2018.*, pages 190–195, 2018.
- [44] Nicolas Granger and **El Yacoubi, Mounim**. Comparing hybrid NN-HMM and RNN for temporal modeling in gesture recognition. In *ICONIP 2017 : 24th International Conference on Neural Information Processing*, pages 147 – 156, Guangzhou, China, October 2017. Springer.
- [45] T. Guettari, D. Istrate, N. Houmani, and **J. Boudy**. Suitable segmentation method of a thermal signal representing sleep movement in the bed. In *ESRS 2016 : Congress of the European Sleep Research Society*, 2016.
- [46] T. Guettari, **J. Boudy, B.-E. Benkelfat**, P. Doré, D. Istrate, and J.-L. Baldinger. Thermal signal analysis in smart home environment for detecting a human presence. In IEEE, editor, *ATSIP 2014 : 1st International Conference on Advanced Technologies for Signal and Image Processing*, pages 334–339, Tunisie, 2014.
- [47] T. Guettari, **J. Boudy**, D. Istrate, J.-L. Baldinger, P. Doré, and **B.-E. Benkelfat**. Analyse du signal thermique dans un environnement intelligent pour détecter la présence humaine. In *JETSAN 2014 : Journées d'Étude en TéléSanté*, pages 1–6, Troyes, 2014.
- [48] Nicolas Hascoet and **Zaharia, Titus**. Building recognition with adaptive interest point selection. In *ICCE 2017 : International Conference on Consumer Electronics*, pages 1 – 4, Las Vegas , United States, January 2017. IEEE Computer Society.
- [49] Nicolas Hascoet and **Zaharia, Titus**. Local feature selection for urban image retrieval. In *ISSCS 2017 : International Symposium on Signals, Circuits and Systems* , pages 1 – 4, Iasi, Romania, July 2017. IEEE Computer Society.
- [50] Marwen Hasnaoui and **Mitreia, Mihai**. Drift-free MPEG-4 AVC semi-fragile watermarking. In *SPIE Electronic Imaging*, volume Proc. SPIE, San Francisco, United States, January 2014.
- [51] Mohamed Ibn Khedher and **El Yacoubi, Mounim**. Two-stage filtering scheme for Sparse Representation based Interest Point matching for person re-identification. In *ACIVS 2015 : 16th International Conference on Advanced Concepts for Intelligent Vision Systems*, volume 9386, pages 345 – 356, Catane, Italy, October 2015. Springer.
- [52] Mohamed Ibn Khedher, **El Yacoubi, Mounim**, and **Dorizzi, Bernadette**. Multi-shot SURF-based person re-identification via sparse representation. In *AVSS 2013 : 10th IEEE International Conference on Advanced Video and Signal-Based Surveillance*, pages 159 – 164, Kraków, Poland, August 2013.
- [53] Boujelbane Ismail, Hadj Saïd Souheil, and **Zaharia, Titus**. Multi-object recognition and tracking with feature points matching and spatial layout consistency. In *2014 IEEE International Conference on Consumer Electronics - Berlin (ICCE-Berlin)*, pages 355–359, Berlin, Germany, September 2014.
- [54] L. Jeancolas, H. Benali, **B. E. Benkelfat**, G. Mangone, J. C. Corvol, M. Vidailhet, S. Lehericy, and **D. Petrovska-Delacrétaz**. Automatic detection of early stages of parkinson's disease through acoustic voice analysis with mel-frequency cepstral coefficients. In *2017 International Conference on Advanced Technologies for Signal and Image Processing (ATSIP)*, pages 1–6, May 2017.
- [55] L. Jeancolas, **D. Petrovska-Delacrétaz**, S. Lehéricy, **B.-E. Benkelfat**, and H. Benali. L'analyse de la voix comme outil de diagnostic précoce de la maladie de Parkinson : état de l'art. In CNRS, editor, *CORESA 2016 : 18e édition COMpressions et REprésentation des Signaux Audiovisuels*, pages 113–121, Nancy, 2016.
- [56] Houda Jmila, Mohamed Ibn Khedher, and **El Yacoubi, Mounim**. Estimating VNF resource requirements using machine learning techniques. In *ICONIP 2017 : 24th International Conference on Neural Information Processing*, pages 883 – 892, Guangzhou, China, November 2017. Springer.

- [57] Bojan Joveski, **Mitrean, Mihai**, and Rama Rao Ganji. MPEG-4 solutions for virtualizing RDP-based applications. In *Electronic Imaging*, volume 9030 of *Proc. SPIE*, San Francisco, United States, January 2014.
- [58] Christian Kahindo, **Garcia-Salicetti, Sonia, El Yacoubi, Mounim**, Victoria Cristacho-Lacroix, Hélène Kerhervé, and Anne-Sophie Rigaud. Caractérisation de la Maladie d'Alzheimer à travers l'Ecriture manuscrite acquise sur Tablette graphique. In *Journées d'Etude sur la TéléSANTé, 6ème édition*, Bourges, France, May 2017. Pôle Capteurs, Université d'Orléans.
- [59] C. Kahindo Senge Muvungi, **M. El Yacoubi, S. Garcia-Salicetti**, H. Kerhervé, A.-S. Rigaud Monnet, and V. Cristancho-Lacroix. Identification de marqueurs de la maladie d'Alzeihmer à travers l'écriture manuscrite acquise sur tablette graphique. In *IDO 2016 : Journée Nationale de l'Internet des Objets : Nouveaux défis de l'Internet des Objets : Interaction Homme-Machine et Facteurs Humains*, pages 1–6, 2016. sciencesconf.org:ido2016:123846.
- [60] Christian Kahindo Senge Muvungi, **Garcia-Salicetti, Sonia**, and **Houmani, Nesma**. A signature complexity measure to select reference signatures for online signature verification. In *BIOSIG 2015 : International Conference of the Biometrics Special Interest Group*, pages 327 – 334, Darmstadt, Germany, September 2015. Gesellschaft für Informatik.
- [61] M. Ibn Khedher, **El Yacoubi, M.**, and **B. Dorizzi**. Multi-shot SURF-based person re-identification via sparse representation. In *AVSS 2013 : 10th IEEE International Conference on Advanced Video and Signal-Based Surveillance*, pages 159–164, 2013.
- [62] Mohamed Ibn Khedher and **Mounim A. El-Yacoubi**. Local sparse representation based interest point matching for person re-identification. In *Neural Information Processing - 22nd International Conference, ICONIP 2015, Istanbul, Turkey, November 9-12, 2015, Proceedings, Part III*, pages 241–250, 2015.
- [63] H. Khemiri and **D. Petrovska-Delacrétaz**. Cohort selection for text-dependent speaker verification score normalization. In IEEE Computer Society, editor, *ATSIP 2016 : 2nd International Conference on Advanced Technologies for Signal and Image Processing*, pages 689–692, Los Alamitos, 2016.
- [64] H. Khemiri, **D. Petrovska-Delacrétaz**, and **Chollet, G.** Speaker diarization using data-driven audio sequencing. In IEEE, editor, *ICASSP 2013 : 38th IEEE International Conference on Acoustics, Speech and Signal Processing*, pages 7736–7740, 2013.
- [65] H. Khemiri, **D. Petrovska-Delacrétaz**, and **Chollet, G.** ALISP-based data compression for generic audio indexing . In IEEE, editor, *DCC 2014 : Data Compression Conference*, pages 273–282, 2014.
- [66] H. Khemiri, **D. Petrovska-Delacrétaz**, and **Chollet, G.** Detection of repeating items in audio streams using data-driven ALISP sequencing . In IEEE Computer Society, editor, *ATSIP 2014 : 1st International Conference on Advanced Technologies for Signal and Image Processing*, pages 446–451, Los Alamitos, 2014.
- [67] H. Khemiri, A. Usoltsev, M. C. Legout, **Chollet, G.**, and **D. Petrovska-Delacrétaz**. Automatic speaker verification using Nearest Neighbor Normalization (3N) on an iPad tablet. In Gesellschaft für Informatik e.V., editor, *BIOSIG 2014 : International Conference of the Biometrics Special Interest Group*, pages 243–250, Bonn, 2014.
- [68] Hajar Khlaifi, Dan Istrate, Jacques Demongeot, **Boudy, Jérôme**, and Dhafer Malouche. Swallowing sound recognition at home using GMM. In *Journées d'Etude sur la TéléSANTé, 6ème édition*, Bourges, France, May 2017. Pôle Capteurs, Université d'Orléans.
- [69] Ghazaleh Khodabandeh, **Gauthier, Vincent, El Yacoubi, Mounim**, and Marco Fiore. Population estimation from mobile network traffic metadata. In *WOWMOM 2016 : 17th International symposium on a world of wireless, mobile and multimedia networks*, pages 1 – 9, Coimbra, Portugal, June 2016. IEEE.
- [70] A. Khosravani, M. M. Homayounpour, **D. Petrovska-Delacrétaz**, and G. Chollet. A PLDA approach for language and text independent speaker recognition. In International Speech Communication Association (ISCA), editor, *ODISSEY 2016 : The Speaker and Language Recognition Workshop*, pages 264–269, 2016. Proceedings DOI : 10.21437/Odyssey.2016.
- [71] E. Khouri, B. Vesnicer, J. Franco-Pedroso, R. Violato, Z. Boulkenafet, L. M. Mazaira Fernández, M. Diez, J. Kosmala, H. Khemiri, T. Cipr, R. Saeidi, M. Günther, J. Zganec-Gros, R. Z. Candil, F. Simoes, M. Bengherabi, A. Alvarez Marquina, M. Penagarikano, A. Abad, M. Boulayemen, P. Schwarz, D. Van Leeuwen, J. González-Dominguez, M. U. Neto, E. Boutellaa, P. G. Vilda, A. Varona, **D. Petrovska-Delacrétaz**, P. Matejka, J. González-Rodriguez, T. Pereira, F. Harizi, L. J. Rodriguez-Fuentes, L. E. Shafeey, M. Angeloni, G. Bordel, **G. Chollet**, and S. Marcel. The 2013 speaker recognition evaluation in mobile environment. In *2013 International Conference on Biometrics (ICB)*, pages 1–8, June 2013.
- [72] JoungHyun Gerard Kim, Jerome Royan, and **Preda, Marius** . Standards for mixed and augmented reality. In *ISMAR 2017 : IEEE International Symposium on Mixed and Augmented Reality*, pages 252 – 252, Nantes, France, October 2017. IEEE Computer Society.

- [73] Sang Kyun Kim and **Preda, Marius**. MPEG-V international standard and the internet of things. In *SIT 2014 - FIT 2014 : International Conference on Software Intelligence Technologies and Applications & International Conference on Frontiers of Internet of Things*, pages 166 – 173, Hsinchu, Taiwan, December 2014. IET.
- [74] Matej Kristan, Ales Leonardis, Jiri Matas, Bogdan Mocanu, Ruxandra Tapu, and **Zaharia, Titus**. The Visual Object Tracking VOT2017 challenge results. In *ICCV 2017 : International Conference on Computer Vision Workshops*, pages 1949 – 1972, Venice, Italy, October 2017. The Computer vision foundation.
- [75] Traian Lavric and **Preda, Marius**. Comments on m26114 (Initial proto design for server side processing for augmented reality). In *The 106th meeting of MPEG*, Genève, Switzerland, October 2013.
- [76] Traian Lavric and **Preda, Marius**. Updates on m26114 (Initial proto design for server side processing for Augmented Reality). In *The 107th meeting of MPEG*, San Jose, United States, January 2014.
- [77] Traian Lavric and **Preda, Marius**. Updates on POI. In *The 107th meeting of MPEG*, San Jose, United States, January 2014.
- [78] Jean Le Feuvre, **Preda, Marius**, and Traian Lavric. Input on 14496-11 second edition CD. In *The 106th meeting of MPEG*, Genève, Switzerland, October 2013.
- [79] T. Lefevre, **B. Dorizzi, S. Garcia-Salicetti**, S. Belardi, and N. Lemperiere. Fusion of novel iris segmentation quality metrics for failure detection. In Springer, editor, *ICCIAR13 : International Conference on Image Analysis and Recognition*, volume 7950, pages 97–106, Heidelberg ; Dordrecht ; London [etc.], 2013. Collection : Lecture Notes in Computer Science.
- [80] Yassine Lehiani, Madjid Maidi, **Preda, Marius**, and Faouzi Ghorbel. Image invariant description based on local Fourier-Mellin transform. In *ICSIPIA 2017 : IEEE International Conference on Signal and Image Processing Applications*, pages 159 – 163, Kuching, Malaysia, September 2017. IEEE Computer Society.
- [81] Yassine Lehiani, **Preda, Marius**, Madjid Maidi, and Mircea Adrian Gabrielli. Object recognition in extended image databases using a mobile client-server architecture. In *ICSIPIA 2015 : International Conference on Signal and Image Processing Application*, pages 197 – 202, Kuala Lumpur, Malaysia, October 2015. IEEE.
- [82] Yassine Lehiani, **Preda, Marius**, Madjid Maidi, and Faouzi Ghorbel. Object identification and tracking for steady registration in mobile augmented reality. In *ICSIPIA 2015 : International Conference on Signal and Image Processing Application*, pages 54 – 59, Kuala Lumpur, Malaysia, October 2015. IEEE.
- [83] Yassine Lehiani, Veronica Scurtu, **Preda, Marius**, and Faouzi Ghorbel. Reconnaissance de formes par les descripteurs compacts dans les bases d’images évolutives. In *TAIMA 2015 : 9e édition des ateliers de travail sur le Traitement et Analyse de l’Information Méthodes et Application*, page ., Hammamet, Tunisia, May 2015.
- [84] Gael Mahé, Lionel Moisan, and **Mitre, Mihai**. An image-inspired audio sharpness index. In *EUSIPCO 2017 : 25th European Signal Processing Conference*, pages 683 – 687, Kos Island, Greece, August 2017. IEEE Computer Society.
- [85] Madjid Maidi, **Preda, Marius**, and Yassine Lehiani. Markerless identification and tracking for scalable image database. In *ICIP 2014 : 21th IEEE International Conference on Image Processing*, pages 1 – 6, Paris, France, October 2014. IEEE.
- [86] Madjid Maidi, **Preda, Marius**, Yassine Lehiani, and Traian Lavric. Vision-based tracking in large image database for real-time mobile augmented reality. In *MMSP 2014 : 16th IEEE International Workshop on Multimedia Signal Processing*, pages 1 – 6, Jakarta, Indonesia, September 2014. IEEE.
- [87] Gabriel Marzinotto, José Carlos Rosales Nunez, **El Yacoubi, Mounim**, and **Garcia-Salicetti, Sonia**. Age and Gender Characterization through a Two Layer Clustering of Online Handwriting. In *ACIVS 2015 : 16th International Conference on Advanced Concepts for Intelligent Vision Systems*, volume 9386, pages 428 – 439, Catania, Italy, October 2015. Springer.
- [88] Gabriel Marzinotto, José Carlos Rosales Nunez, **El Yacoubi, Mounim, Garcia-Salicetti, Sonia**, Christian Kanhindo Senge Muvungi, Hélène Kerhervé, Victoria Cristancho-Lacroix, and Anne-Sophie Rigaud Monnet. Uncovering major age-related handwriting changes by unsupervised learning. In *COGNITIVE 2016 : 8th International Conference on Advanced Cognitive Technologies and Applications*, pages 48 – 54, Rome, Italy, March 2016. IARIA.
- [89] Rafael Mekuria, Pablo Cesar, and **Preda, Marius**. Initial set of requirements for 3D Tele-immersion application. In *The 107th meeting of MPEG*, San Jose, United States, January 2014.
- [90] Alberto Messina, Francisco Moran Burgos, **Preda, Marius**, Skjalg Lepsoy, Miroslaw Bober, Davide Bertola, and Stavros Paschalakis. Making second screen sustainable in media production : the BRIDGET approach. In *TVX 2015 : International Conference on Interactive Experiences for TV and Online Video*, pages 155 – 160, Brussels, Belgium, June 2015. ACM.
- [91] Ahmad Mheich, Juliette Guilloton, and **Houmani, Nesma**. Monitoring visual sustained attention with a low-cost EEG headset. In *ICABME 2017 : 4th International Conference on Advances in Biomedical Engineering*, pages 1 – 4, Beirut, Lebanon, October 2017. IEEE Computer Society.

- [92] P. Milhorat, **Chollet, G.**, and **J. Boudy**. Un système de dialogue vocal comme agent d'aide à la personne. In *JETSAN 2014 : Journées d'Étude en TéléSanté*, Troyes, 2014.
- [93] P. Milhorat, **J. Boudy**, and **Chollet, G.** Un système de dialogue vocal pour les seniors : évaluation expérimentale. In JETSAN, editor, *JETSAN 2015 : 5ème colloque des Journées d'Études sur la TéléSanté*, pages 1–4, 2015.
- [94] P. Milhorat, S. Schlögl, **Chollet, G.**, A. Esposito, G. Pelosi, and **J. Boudy**. Building the next generation of personal digital assistants . In IEEE, editor, *ATSIP 2014 : 1st International Conference on Advanced Technologies for Signal and Image Processing*, pages 458–463, Sousse, 2014.
- [95] Pierrick MILHORAT, Stephan SCHLÖGL, **Chollet, Gérard**, and **Boudy, Jerome**. Multi-step natural language understanding. In *SIGdial 2013 : 14th Annual Meeting on Discourse and Dialogue*, pages 157–159, Metz, France, August 2013.
- [96] S. Mirzaei, **J. Boudy**, P. Milhorat, M. Kurimo, and **Chollet, G.** Acoustic and language model adaptation in a voice interactive system for elderly people. In JETSAN, editor, *JETSAN 2015 : 5ème colloque des Journées d'Études sur la TéléSanté*, pages 1–4, 2015.
- [97] S. Mirzaei, P. Milhorat, **J. Boudy**, M. Kurimo, and G. Chollet. Experiments on adaptation methods to improve acoustic modeling for French speech recognition . In Scitepress, editor, *ICPRAM 2016 : 5th International Conference on Pattern Recognition Applications and Methods*, pages 278–282, 2016.
- [98] Saeideh Mirzaei, **El Yacoubi, Mounim**, **Garcia-Salicetti, Sonia**, **Boudy, Jerome**, Christian Kahindo Senge Muvingi, Victoria Cristancho-Lacroix, Hélène Kerhervé, Anne-Sophie Rigaud Monnet, El Yacoubi, Christian Kahindo, Hélène Kerhervé, and Anne-Sophie Rigaud. Automatic speech analysis for early Alzheimer's disease diagnosis. In *JETSAN 2017 : 6e Journées d'Etudes sur la Télésanté*, pages 114 – 116, Bourges, France, May 2017.
- [99] Saeideh Mirzaei, Pierrick Milhorat, **Boudy, Jerome**, **Chollet, Gérard**, and Mikko Kurimo. Experiments on adaptation methods to improve acoustic modeling for French speech recognition. In *ICPRAM 2016 : 5th International Conference on Pattern Recognition Applications and Methods*, pages 278 – 282, Roma, Italy, February 2016. Scitepress.
- [100] B. Mocanu, R. Tapu, and **T. Zaharia**. Automatic segmentation of TV news into stories using visual and temporal information. In Springer, editor, *ACIVS 2016 : 17th International Conference on Advanced Concepts for Intelligent Vision Systems*, pages 648–660, Cham, 2016.
- [101] B. Mocanu, R. Tapu, and **T. Zaharia**. Image re-ranking using graph based spanning structures and reciprocal nearest neighbors. In IEEE Computer Society, editor, *ICCE 2016 : International Conference on Consumer Electronics*, pages 437–438, Los Alamitos, 2016.
- [102] B. Mocanu, R. Tapu, and **T. Zaharia**. Using computer vision to see. In Springer, editor, *ECCV 2016 : 14th European Conference on Computer Vision Workshops*, pages 375–390, Cham, 2016.
- [103] Bogdan Mocanu, Ruxandra Tapu, and **Zaharia, Titus** . Automatic extraction of story units from TV news. In *ICCE 2017 : International Conference on Consumer Electronics*, pages 1 – 2, Las Vegas , United States, January 2017. IEEE Computer Society.
- [104] Bogdan Mocanu, Ruxandra Tapu, and **Zaharia, Titus** . Object tracking using deep convolutional neural networks and visual appearance models. In *ACIVS2017 : International Conference on Advanced Concepts for Intelligent Vision Systems* , pages 114 – 125, Antwerp, Belgium, September 2017. Springer.
- [105] Bogdan Mocanu, Ruxandra Tapu, and **Zaharia, Titus** . Seeing without sight : an automatic cognition system dedicated to blind and visually impaired people. In *ICCV 2017 : International Conference on Computer Vision*, pages 1452 – 1459, Venise , Italy, October 2017. The Computer vision foundation.
- [106] Sameh Neili Boualia, Sami Gazzah, **El Yacoubi, Mounim**, and Najoua Essoukri Ben Amara. Human posture recognition approach based on ConvNets and SVM classifier. In *ATSIP 2017 : 3rd international conference on Advanced Technologies for Signal and Image Processing*, pages 1 – 6, Fez, Morocco, May 2017. IEEE Computer Society.
- [107] Javier Mikel Olaso, Pierrick Milhorat, Julia Himmelsbach, **Boudy, Jerome**, **Chollet, Gérard**, Stephan Schlögl, and Maria Inès Torres. A multi-lingual evaluation of the vAssist spoken dialog system : comparing Disco and RavenClaw. In *IWSDS 2016 : 7th International Workshop Series on Spoken Dialogue Systems Techonoly*, pages 221 – 232, Saariselkä, Finland, January 2016. Springer.
- [108] N. Othman, **Houmani, N.**, and **B. Dorizzi**. Improving video-based iris recognition via local quality weighted super resolution. In SciTePress, editor, *ICPRAM 2013 : 2nd International Conference on Pattern Recognition Applications and Methods*, pages 623–629, 2013.
- [109] S. Pammi, H. Khemiri, **D. Petrovska-Delacrétaz**, and **Chollet, G.** Detection of nonlinguistic vocalizations using ALISP sequencing. In IEEE, editor, *ICASSP 2013 : 38th IEEE International Conference on Acoustics, Speech and Signal Processing*, pages 7557–7561, 2013.

- [110] D. Panovski and **T. Zaharia**. Simulation-based vehicular traffic lights optimization. In IEEE Computer Society, editor, *SITIS 2016 : 12th International Conference on Signal Image Technology & Internet Based Systems*, pages 258–265, Los Alamitos, 2016.
- [111] Dancho Panovski and **Titus, Zaharia**. Moteur de recherche web avec l'ontologie WOLF. In *Traitement et Analyse de l'Information Méthodes et Applications (TAIMA 2015)*, Hammamet , Tunisia, May 2015.
- [112] Christine Perey, Rob Manson, **Preda, Marius**, Neil Trevett, Martin Lechner, George Percivall, Timo Engelke, Peter Lefkin, Bruce Mahone, and Mary Lynne Nielsen. Open and interoperable augmented reality. In *ISMAR 2014 : International Symposium on Mixed and Augmented Reality*, pages 1 – 3, Munich, Germany, September 2014. IEEE.
- [113] **Preda, Marius**. TV Centric Connected Home. In *Smart TV Global Summit 2015*, page ., Seoul, South Korea, November 2015.
- [114] Huafeng Qin and **El Yacoubi, Mounim**. Finger-vein quality assessment by representation learning from binary images. In *ICONIP 2015 : 22nd International Conference on Neural Information Processing*, volume 9489, pages 421 – 431, Istanbul, Turkey, November 2015. Springer.
- [115] M. Radenen, P. Milhorat, T. Artières, **Chollet, G.**, and **J. Boudy**. Etude des HMMs paramétriques pour la reconnaissance de parole en environnement bruité. In *JEP 2014 : 30e Journées d'Etude sur la Parole*, pages 466–474, Le Mans, 2014.
- [116] Mathieu Radenen, Pierrick Milhorat, Thierry Artières, **Boudy, Jerome**, and **Chollet, Gérard**. A study of parameterized HMM on noisy speech recognition. In *JEP 2014 : 30e Journées d'Etude sur la Parole*, pages 466 – 474, Le Mans, France, June 2014.
- [117] Nathan Ramoly, Vincent Vassout, **Bouzeghoub, Amel**, **El Yacoubi, Mounim**, and Mossaab Hariz. Refining visual activity recognition with semantic reasoning. In *IEEE 31st International Conference on Advanced Information Networking and Applications (AINA 2017)*, pages 720 – 727, Taipei, Taiwan, March 2017. IEEE Computer Society.
- [118] Bensaïd Rania and **Mitre, Mihai**. Assessing the impact of the semantic labels in subjective video quality evaluation. In *11th IMA International Conference on Mathematics in Signal Processing*, 11th IMA International Conference on Mathematics in Signal Processing, pages 16–20, Birmingham, United Kingdom, December 2016.
- [119] Bensaïd Rania, **Mitre, Mihai**, Afef Chammem, and Touraj Ebrahimi. Continuous vs. discrete scale stereoscopic video subjective evaluation : case study on robust watermarking. In *2014 Sixth International Workshop on Quality of Multimedia Experience (QoMEX)*, Singapore, Singapore, September 2014.
- [120] Bensaïd Rania, **Mitre, Mihai**, Afef Chammem, and Touraj Ebrahimi. Subjective quality assessment for stereoscopic video. Case study on robust watermarking. In *Electronic Imaging*, volume 9011 of *Proc. SPIE*, San Francisco, United States, January 2014.
- [121] Maxime Robin, Dan Istrate, and **Boudy, Jerome**. Remote monitoring, distress detection by slightest invasive systems : sound recognition based on hierarchical i-vectors. In *EMBC 2017 : 39th international conference of the IEEE Engineering in Medicine and Biology Society*, pages 2744 – 2748, Seogwipo, South Korea, July 2017. IEEE Computer Society.
- [122] Pierre-Olivier Rocher, Christophe Gravier, Julien Subercaze, and **Preda, Marius**. Video Stream Transmodality. In *International Conference on Enterprise Information Systems*, volume 3, page 28, Lisboa, France, April 2014. 10 pages.
- [123] José Carlos Rosales Nunez, Gabriel Marzinotto, **El Yacoubi, Mounim**, and **Garcia-Salicetti, Sonia**. Age characterization from online handwriting. In *MINDCARE 2015 : 5th EAI International Symposium on Pervasive Computing Paradigms for Mental Health*, pages 176 – 185, Milan, Italy, September 2015. Springer international publishing.
- [124] L. Rzouga Haddada, **B. Dorizzi**, and N. Essoukri Ben Amara. Watermarking signal fusion in multimodal biometrics. In IEEE, editor, *IPAS 2014 : 1st Image Processing, Applications and Systems Conference*, pages 1–6, 2014.
- [125] H. Sansen, J.-L. Baldinger, **J. Boudy**, P. Milhorat, S. Schlägl, and **Chollet, G.** vAssist : building the personal assistant for dependent people : Helping dependent people to cope with technology through speech interaction. In Scitepress, editor, *HEALTHINF 2014 : 7th International Conference on Health Informatics*, pages 490–495, 2014.
- [126] H. Sansen, G. Chollet, C. Glackin, A. Badii, **D. Petrovska-Delacrétaz**, S. Schlägl, **J. Boudy**, M. I. Torres, and K. Jokinen. The Roberta IRONSIDE project : a cognitive and physical robot coach for dependent persons. In Archives of Materials Science and Engineering (AMSE), editors, *HANDICAP 2016 : 9ème Conférence Handicap : la recherche au service de la qualité de vie et de l'autonomie*, volume 77, pages 169–181, Gliwice, 2016.
- [127] H. Sansen, M. I. Torres, G. Chollet, **D. Petrovska-Delacrétaz**, A. Badii, S. Schlägl, **J. Boudy**, and C. Glackin. The Roberta IRONSIDE project : a dialog capable humanoid personal assistant in a wheelchair for dependent persons . In IEEE, editor, *ATSIP 2016 : 2nd International Conference on Advanced Technologies for Signal and Image Processing*, pages 381–386, 2016.

- [128] Stephan Schlägl, Pierrick Milhorat, **Chollet, Gérard**, and **Boudy, Jerome**. Designing language technology applications : a Wizard of Oz driven prototyping framework. In *EACL 2014 : 14th Conference of the European Chapter of the Association for Computational Linguistics*, pages 85 – 88, Gothenburg, Sweden, April 2014. Association for Computational Linguistics (ACL).
- [129] Roberto Tarando Sebastian, **Catalin, Fetita**, Kim Young-Wouk, Cho Hyoun, and Brillet Pierre-Yves. Boosting cnn performance for lung texture classification using connected filtering. In *Medical Imaging 2018 : Computer-Aided Diagnosis*, volume 10575, pages 10575–1 – 10575–13. SPIE, 2018.
- [130] M. Selmi, M. **El Yacoubi**, and B. **Dorizzi**. A combined SVM/HCRF model for activity recognition based on STIPs trajectories. In SciTePress, editor, *ICPRAM 2013 : 2nd International Conference on Pattern Recognition Applications and Methods*, pages 568–572, 2013.
- [131] M. Selmi and M. **El Yacoubi**. Multimodal sequential modeling and recognition of human activities. In Springer, editor, *ICCHP 2016 : 15th International Conference on Computers Helping People with Special Needs*, pages 541–548, Cham, 2016.
- [132] Mouna Selmi and **El Yacoubi, Mounim**. Multimodal sequential modeling and recognition of human activities. In *ICCHP 2016 : 15th International Conference on Computers Helping People with Special Needs*, pages 541 – 548, Linz, Austria, July 2016. Springer.
- [133] Mouna Selmi, **El Yacoubi, Mounim**, and **Dorizzi, Bernadette**. A combined SVM/HCRF model for activity recognition based on STIPs trajectories. In *ICPRAM 2013 : 2nd International Conference on Pattern Recognition Applications and Methods*, pages 568 – 572, Barcelone, Spain, February 2013. SciTePress.
- [134] Hela Sfar, Amel Bouzeghoub, Nathan Ramoly, and **Boudy, Jerome**. AGACY monitoring : a hybrid model for activity recognition and uncertainty handling. In *ESWC 2017 : 14th European Semantic Web Conference*, volume 1, pages 254 – 269, Portorož, Slovenia, May 2017. Springer.
- [135] Hadj Saïd Souheil, Boujelbane Ismail, and **Zaharia, Titus**. Recognition of urban buildings with spatial consistency and a small-sized vocabulary tree. In *2014 IEEE International Conference on Consumer Electronics - Berlin (ICCE-Berlin)*, pages 350–354, Berlin, Germany, September 2014.
- [136] R. Tapu, B. Mocanu, and **T. Zaharia**. TV news retrieval based on story segmentation and concept association. In IEEE Computer Society, editor, *SITIS 2016 : 12th International Conference on Signal Image Technology & Internet Based Systems*, pages 327–334, Los Alamitos, 2016.
- [137] Ruxandra Tapu, Mocanu Bogdan, Andrei Bursuc, and **Titus, Zaharia**. A Smartphone-Based Obstacle Detection and Classification System for Assisting Visually Impaired People. In *ICCV 2013 Workshops*, pages 444–451, December 2013.
- [138] Ruxandra Tapu, Bogdan Mocanu, and **Zaharia, Titus**. ATLAS : adaptive single object tracking using offline learned motion and visual patterns. In *BMVC 2017 : British Machine Vision Conference Workshops*, volume AMMDS07, pages 1 – 12, Londres, United Kingdom, September 2017.
- [139] S. R. Tarando, C. **Fetita**, A. Faccinetto, and P.-Y. Brillet. Increasing CAD system efficacy for lung texture analysis using a convolutional network . In SPIE Press, editor, *MEDICAL IMAGING 2016 : Computer-Aided Diagnosis*, pages 97850Q–1–10, 2016.
- [140] Sebastian Tarando, Olivier Lucidarme, Philippe A Grenier, and **Fetita, Catalin**. On-line scalable image access for medical remote collaborative meetings. In *Medical Imaging 2015*, volume SPIE Proceedings Vol. 9418 of *Medical Imaging 2015 : PACS and Imaging Informatics : Next Generation and Innovations*, Orlando, United States, February 2015. SPIE.
- [141] Sebastian Roberto Tarando, **Fetita, Catalin** , and Pierre Yves Brillet. Cascade of convolutional neural networks for lung texture classification : overcoming ontological overlapping. In *SPIE Medical Imaging 2017 : Computer-Aided Diagnosis*, volume 10134, pages 1013407–1 – 1013407–9, Orlando, United States, February 2017. SPIE.
- [142] A. Truong and **T. Zaharia**. Dynamic gesture recognition with Laban Movement Analysis and Hidden Markov Models. In ACM, editor, *CGI 2016 : 33rd Computer Graphics International*, pages 21–24, New York, 2016.
- [143] A. Truong and **T. Zaharia**. Laban movement analysis for real-time 3D gesture recognition. In A.J. Spink et al. (Eds.), editor, *Measuring Behavior 2016 : 10th International Conference on Methods and Techniques in Behavioral Research*, pages 514–521, 2016.
- [144] Christian Liviu Tulvan and **Preda, Marius**. Preliminary results for SC3DMC, Open3DGC and OpenCTM benchmarking. In *The 106th meeting of MPEG*, Genève, Switzerland, October 2013.
- [145] Christian Liviu Tulvan and **Preda, Marius**. MPEG Software assets. In *The 107th meeting of MPEG*, San Jose, United States, January 2014.
- [146] Christian Liviu Tulvan and **Preda, Marius**. Results for Open3DGC and OpenCTM benchmarking. In *The 107th meeting of MPEG*, San Jose, United States, January 2014.

- [147] Christian Liviu Tulvan and **Preda, Marius**. Updated Collection of Datasets for MTL FU level testing. In *The 107th meeting of MPEG*, San Jose, United States, January 2014.
- [148] Christian Liviu Tulvan and **Preda, Marius**. Updates on RGC (RVC-CAL) - reference software status. In *The 107th meeting of MPEG*, San Jose, United States, January 2014.
- [149] A. Usoltsev, **D. Petrovska-Delacrétaz**, and H. Khemiri. Full video processing for mobile audio-visual identity verification. In Scitepress, editor, *ICPRAM 2016 : 5th International Conference on Pattern Recognition Applications and Methods*, volume 1, pages 552–557, 2016.
- [150] M. Walters, A. K. Wells, I. Jones, B. Veekmans, C. Lefevre, **C. Fetita**, W. Vos, and I. Hamill. Patient-specific simulation of tidal breathing. In SPIE Press, editor, *MEDICAL IMAGING 2016 : Biomedical Applications in Molecular, Structural, and Functional Imaging*, pages 978818–1–13, 2016.
- [151] M. Yahiaoui, **E. Monfrini**, and **B. Dorizzi**. Implementation of unsupervised statistical methods for low-quality iris segmentation. In IEEE, editor, *SITIS 2014 : 10th International Conference on Signal-Image Technology and Internet-Based Systems*, pages 566–573, 2014.

Livres et chapitres de livres

- [1] **B. Dorizzi** and S. Vinson. Biometric techniques applied to video surveillance. chapter Intelligent video surveillance systems, pages 165–182. iSTE;Wiley, London ;Hoboken, 2013.
- [2] J. C. Canuto, **B. Dorizzi**, and J. Montalvão. Two bioinspired methods for dynamic signatures analysis. chapter Advances in digital handwritten signature processing : a human artefact for e-society, pages 27–38. World Scientific, 2014.
- [3] **Houmani, N.** and **S. Garcia-Salicetti**. Quality measures for online handwritten signatures. volume 292 of *Lecture Notes in Electrical Engineering*, chapter Signal and Image Processing for Biometrics, pages 255–283. Springer, Berlin Heidelberg, 2014.
- [4] **Houmani, Nesma** and **GARCIA-SALICETTI, SONIA**. Digitizing tablet. In *Encyclopedia of biometrics*, page . Springer, 2015.
- [5] S. G. Kanade, **D. Petrovska-Delacrétaz**, and **B. Dorizzi**. Obtaining cryptographic keys using multi-biometrics. chapter Security and privacy in biometrics, pages 123–148. Springer, London ;Heidelberg ;New York [etc.], 2013.
- [6] **Mitrean, Mihai**, Afef Chammem, and Françoise Prêteux. Tatouage stéréoscopique. In *Vidéo 3D - Capture, traitement et diffusion*, pages 251–272. Hermès - Lavoisier, September 2013.
- [7] N. Othman, **Houmani, N.**, and **B. Dorizzi**. Quality-based super resolution for degraded iris recognition. volume 2 of *Advances in Intelligent Systems and Computing*, chapter Pattern recognition applications and methods advances in intelligent systems and computing : international conference, ICPRAM 2013 Barcelona, Spain, February 15-18, 2013 revised selected papers, pages 285–300. Springer International Publishing, Cham, 2015.

METHODES

Journaux

- [1] Messaoud Abbas, Choukri-Bey Ben-Yelles, and Renaud Rioboo. Modelling UML state machines with focalize. *IJICT*, 13(1):34–54, 2018.
- [2] A. Abdel Razzac, S.-E. Elayoubi, T. Chahed, and B. El Hassan. Impact of playout buffering on mobile TV performance. *IEEE transactions on mobile computing*, 15(2):377–391, Feb 2016.
- [3] A. Abdel Razzac, L. Salahaldin, S.-E. Elayoubi, T. Chahed, and Y. Hayel. A game theoretical real options framework for investment decisions in mobile TV infrastructure. *Asia-Pacific journal of operational research*, 34(4):1750014–1–1750014–34, Aug 2017.
- [4] A. Abdel-Razzak, S.-E. Elayoubi, T. Chahed, and B. El Hassan. Dimensioning and profit sharing in hybrid LTE/DVB systems to offer mobile TV services. *IEEE transactions on wireless communications*, 12(12):6314–6327, Dec 2013.
- [5] R. Agarwal, V. Gauthier, M. Becker, H. Afifi, and T. Toukabri Gunes. Large scale model for information dissemination with device to device communication using call details records. *Computer communications*, 59:1–11, Mar 2015.
- [6] F. Ait Salaht, H. Castel-Taleb, J.-M. Fourneau, and N. Pekergin. Performance analysis of a queue by combining stochastic bounds, real traffic traces and histograms. *The computer journal*, 59(12):1817–1830, Dec 2016.
- [7] A. Ali, M. Panda, T. Chahed, and E. Altman. Improving the transport performance in delay tolerant networks by random linear network coding and global acknowledgments. *Ad-hoc networks*, 11(8):2567–2587, Nov 2013.

- [8] V. Angilella, W. Ben-Ameur, and M. Chardy. Design of fiber cable tree FTTH networks. *Electronic notes in discrete mathematics*, 64:235–244, Feb 2018.
- [9] V. Angilella, M. Chardy, and W. Ben-Ameur. Fiber cable network design in tree networks. *European journal of operational research*, 269(3):1086–1106, Sep 2018.
- [10] M. Aouadi, K. Toumi, and A. R. Cavalli. Testing security policies for distributed systems : vehicular networks as a case study. *International journal of computer science issues (IJCSI)*, 11(5):68–77, Sep 2014.
- [11] M. Assaad, W. Ben-Ameur, and F. Hamid. Resource optimization of non-additive utility functions in localized SC-FDMA systems. *IEEE transactions on signal processing*, 62(18):4896–4910, Sep 2014.
- [12] T. Atmaca, T. Begin, A. Brandwajn, and H. Castel-Taleb. Performance evaluation of cloud computing centers with general arrivals and service. *IEEE transactions on parallel and distributed systems*, 27(8):2341–2348, Aug 2016.
- [13] A. Bagnato, A. Sadovsky, S. Dahab, A. R. Cavalli, J. Rocheteau, W. Mallouli, S. Mallouli, A. Stefanescu, and S. Maag. Modeling OMG SMM metrics using the Modelio modeling tool in the MEASURE project. *Génie logiciel*, (120):46–52, Mar 2017.
- [14] F. Barbosa Abreu, A. Morais, A. R. Cavalli, E. Montes De Oca, W. Mallouli, and B. Wehbi. An effective attack detection approach in wireless mesh networks. *International journal of space-based and situated computing*, 5(2):89–99, 2015.
- [15] P.-O. Bauguin, W. Ben-Ameur, and E. Gourdin. Efficient algorithms for the maximum concurrent flow problem. *Networks*, 65(1):56–67, Jan 2015.
- [16] A. Bellachehab. Distributed consensus for metamorphic systems using a gossip algorithm for CAT(0) metric spaces. *Entropy*, 17(3):1165–1180, Mar 2015.
- [17] A. Bellachehab and J. Jakubowicz. Random pairwise gossip on CAT(k) metric spaces. *IEEE transactions on automatic control*, 61(12):3857–3869, Dec 2016.
- [18] W. Ben-Ameur, P. Bianchi, and J. Jakubowicz. Robust distributed consensus using total Variation. *IEEE transactions on automatic control*, 61(6):1550–1564, Jun 2016.
- [19] W. Ben-Ameur and M. Didi Biha. Extended cuts. *Journal of combinatorial optimization*, 31(3):1034–1044, Apr 2016.
- [20] W. Ben-Ameur and M. Didi Biha. A note on the problem of r disjoint (s,t)-cuts and some related issues. *Operations research letters*, 46:335–338, May 2018.
- [21] W. Ben-Ameur, A. Glorieux, and J. Neto. Complete formulations of polytopes related to extensions of assignment matrices. *Discrete optimization*, pages 1–15, 2018.
- [22] W. Ben-Ameur, A. Glorieux, and J. Neto. On the most imbalanced orientation of a graph. *Journal of combinatorial optimization*, 36(2):637–669, Aug 2018.
- [23] W. Ben-Ameur, M. Hadji, and A. Ouorou. Minimum-weight subgraphs with unicyclic components and a lower-bounded girth. *Networks*, 61(4):335–355, Jul 2013.
- [24] W. Ben-Ameur, M. A. Mohamed Sidi, and J. Neto. The k-separator problem : polyhedra, complexity and approximation results. *Journal of combinatorial optimization*, 29(1):276–307, Jan 2015.
- [25] W. Ben-Ameur, A. Ouorou, and G. Wang. Convex and concave envelopes : revisited and new perspectives. *Operations research letters*, 45(5):421–426, Sep 2017.
- [26] W. Ben-Ameur, A. Ouorou, G. Wang, and M. Zotkiewicz. Multipolar robust optimization. *EURO journal on computational optimization*, pages 1–40, 2018.
- [27] W. Ben-Ameur, M. Pioro, and M. Zotkiewicz. Fractional routing using pairs of failure-disjoint paths. *Discrete applied mathematics*, 164(1):47–60, Feb 2014.
- [28] P. Bianchi and J. Jakubowicz. Adaptive learning vector quantization for online parametric estimation. *IEEE transactions on signal processing*, 61(12):3119–3128, Jun 2013.
- [29] A. Brandwajn, T. Begin, H. Castel-Taleb, and T. Atmaca. A study of systems with multiple operating levels, probabilistic thresholds and hysteresis. *IEEE transactions on parallel and distributed systems*, 29(4):748–757, Apr 2018.
- [30] H. Castel-Taleb and N. Pekergin. Strong and weak stochastic bounds for multidimensional Markov chains. *International journal of critical computer-based systems (IJCCBS)*, 5(1/2):148–168, 2014.
- [31] A. R. Cavalli, T. Higashino, and M. Nunez. A survey on formal active and passive testing with applications to the cloud. *Annales des télécommunications- Annals of telecommunications*, 70(3):85–93, Apr 2015.
- [32] A. R. Cavalli, T. Higashino, and M. Nunez. Special issue on formal active and passive testing of distributed and networked systems. *Annales des télécommunications- Annals of telecommunications*, 70(3):83–84, Apr 2015.

- [33] R. Chane-Yack-Fa, M. Frappier, A. Mammar, and A. Finkel. Parameterized verification of monotone information systems. *Formal aspects of computing*, 2018.
- [34] X. Che, J. E. Lopez Coronado, S. Maag, and G. Morales. Testing trust properties using a formal distributed network monitoring approach. *Annales des télécommunications- Annals of telecommunications*, 70(3):95–105, Apr 2015.
- [35] X. Che and S. Maag. Passive performance testing of network protocols. *Computer communications*, 51:36–47, Sep 2014.
- [36] X. Che and S. Maag. Testing protocols in Internet of Things by a formal passive technique. *Science China Information Sciences*, 53(3):1–13, Feb 2014.
- [37] X. Che and S. Maag. Formally testing the protocol performances. *International journal of space-based and situated computing*, 5(2):76–88, 2015.
- [38] X. Che, S. Maag, H.-P. Tan, Z. Zhou, and H.-X. Tan. A passive testing approach for protocols in Wireless Sensor Networks. *Sensors*, 15(11):29250–29272, Nov 2015.
- [39] L. Chen, J. Jakubowicz, D. Yang, G. Pan, and D. Zhang. Fine-grained urban event detection and characterization based on tensor cofactorization. *IEEE Transactions on Human-Machine Systems*, 47(3):380–391, Jun 2017.
- [40] R. Combes, S.-E. Elayoubi, A. Ali, T. Chahed, and L. Saker. Optimal on-line control of sleep mode in green base stations. *Computer networks - The international journal of computer and telecommunications networking*, 78:140–151, Feb 2015.
- [41] G. Dandachi, S.-E. Elayoubi, T. Chahed, and N. Chendeb. Network centric versus user centric multihoming strategies in LTE/WiFi networks. *IEEE transactions on vehicular technology*, 66(5):4188–4199, May 2017.
- [42] C. Dubois and A. Giorgetti. Tests and Proofs for Custom Data Generators. *Formal aspects of computing*, To appear, 2018.
- [43] K. El-Fakih, N. Yevtushenko, and N. Kushik. Adaptive distinguishing test cases of nondeterministic finite state machines : test case derivation and length estimation. *Formal aspects of computing*, 30(2):319–332, Mar 2018.
- [44] A. Faye and D. Watel. Taxi-sharing : Parameterized complexity and approximability of the dial-a-ride problem with money as an incentive. *Theoretical Computer Science*, June 2018.
- [45] N. Gensollen, V. Gauthier, M. Becker, and M. Marot. Stability and performance of coalitions of prosumers through diversification in the smart grid. *IEEE transactions on smart grid*, 9(2):963–970, Mar 2018.
- [46] J. P. Gibson, V. Teague, R. Krimmer, and J. Pomares. A review of E-voting : the past, present and future. *Annales des télécommunications- Annals of telecommunications*, 71(7):279–286, Aug 2016.
- [47] M. Graiet, L. Hamel, A. Mammar, and S. Tata. A verification and deployment approach for elastic component-based applications. *Formal aspects of computing*, 29(6):987–1011, Nov 2017.
- [48] M. Graiet, A. Mammar, S. Boubaker, and W. Gaaloul. Towards correct cloud resource allocation in business processes. *IEEE transactions on services computing*, 10(1):23–36, Jan 2017.
- [49] K. Hassine, M. Frikha, and T. Chahed. Access point backhaul resource aggregation as a many-to-one matching game in Wireless Local Area Networks. *Wireless communications & mobile computing*, 2017:3523868–1–3523868–11, May 2017.
- [50] K. Hassine, M. Frikha, and T. Chahed. Access point backhaul capacity aggregation as a matching game in the context of wireless local area networks. *Computer networks - The international journal of computer and telecommunications networking*, 139:92–108, Jul 2018.
- [51] N. Huynh, M. Frappier, A. Mammar, J. Desharnais, and R. Laleau. A formal validation of the RBAC ANSI 2012 standard using B. *Science of computer programming*, 131:76–93, Dec 2016.
- [52] A. Jaziri, R. Nasri, and T. Chahed. System level analysis of heterogeneous networks under imperfect traffic hotspot localization. *IEEE transactions on vehicular technology*, 65(12):9862–9872, Dec 2016.
- [53] A. Jaziri, R. Nasri, and T. Chahed. Tracking traffic peaks in mobile networks using statistics of performance metrics. *International journal of wireless information networks*, 24(4):389–403, Dec 2017.
- [54] O. Kondratyeva, N. Kushik, A. R. Cavalli, and N. Yevtushenko. Using finite state models for quality evaluation at web service development steps. *International Journal of Services Computing (IJSC)*, 1(1):1–12, Oct 2013.
- [55] N. Kushik, K. El-Fakhi, N. Yevtushenko, and A. R. Cavalli. On adaptive experiments for nondeterministic finite state machines. *International journal on software tools for technology*, 18(3):251–264, Jun 2016.
- [56] N. Kushik, J. E. Lopez Coronado, and N. Yevtushenko. Investigation of correlation of test sequences for reliability testing of digital physical system components. *Russian physics journal*, 59(8):1274–1280, Dec 2016.
- [57] W. Labidi, T. Chahed, and S.-E. Elayoubi. Optimal battery management strategies in mobile networks powered by a smart grid. *IEEE transactions on green communications and networking*, pages 1–8, 2018.

- [58] F. Lalanne Rojas and S. Maag. A formal data-centric approach for passive testing of communication protocols. *IEEE-ACM transactions on networking*, 21(3):788–801, Jun 2013.
- [59] S. Lefebvre, S. Allassonniere, J. Jakubowicz, E. Moulines, and T. Lasne. Aircraft classification with a low resolution infrared sensor. *Machine vision and applications*, 24(1):175–186, Jan 2013.
- [60] J. E. Lopez Coronado, S. Maag, and G. Morales. Behavior evaluation for trust management based on formal distributed network monitoring. *World wide web*, 19(1):21–39, Jan 2016.
- [61] W. Louati, W. Ben-Ameur, and D. Zeghlache. A bottleneck-free tree-based name resolution system for Information-Centric Networking. *Computer networks - The international journal of computer and telecommunications networking*, 91:341–355, Nov 2015.
- [62] J. C. Louzada Pinto, T. Chahed, and E. Altman. A framework for information dissemination in social networks using Hawkes processes. *Performance evaluation*, 103:86–107, Sep 2016.
- [63] S. Maag. Model-based testing for MANETs. *Proceedings of the Institute for System Programming of the RAS (ISP RAS)*, 26(6):31–46, Dec 2014.
- [64] A. Mammar and M. Frappier. Proof-based verification approaches for dynamic properties : application to the information system domain. *Formal aspects of computing*, 27(2):335–374, Mar 2015.
- [65] A. Mammar and R. Laleau. Modeling a landing gear system in Event-B. *International journal on software tools for technology*, 19(2):167–186, Apr 2017. ABZ 2014.
- [66] A. Mammar, T. M. Nguyen, and R. Laleau. A formal approach to derive an aspect oriented programming-based implementation of a secure access control filter. *Information and software technology*, 92:158–178, Nov 2017.
- [67] M. Marot, A. M. Said, and H. Afifi. On the maximal shortest path in a connected component in V2V. *Performance evaluation*, 94:25–42, Dec 2015.
- [68] A. Morais, I. Hwang, A. R. Cavalli, and E. Martins. Generating attack scenarios for the system security validation. *Networking science*, 2(3 & 4):69–80, Jul 2013.
- [69] M. Morcos, T. Chahed, L. Chen, F. Martignon, and J. Elias. A two-level auction for resource allocation in multi-tenant C-RAN. *Computer networks - The international journal of computer and telecommunications networking*, 135:240–252, Apr 2018.
- [70] P. Mouttappa, S. Maag, and A. R. Cavalli. Using passive testing based on symbolic execution and slicing techniques : application to the validation of communication protocols. *Computer networks - The international journal of computer and telecommunications networking*, 57(15):2992–3008, Oct 2013.
- [71] J. Neto. On the polyhedral structure of uniform cut polytopes. *Discrete applied mathematics*, 175:62–70, Oct 2014.
- [72] J. Neto. On the diameter of cut polytopes. *Discrete mathematics*, 339(5):1605–1612, May 2016.
- [73] C. Ouanteur, D. Aissani, L. Bouallouche-Medjkoune, H. Castel-Taleb, and M. Yazid. Modeling and performance evaluation of the IEEE 802.15.4e LLIN mechanism designed for industrial applications in WSNs. *Wireless networks*, 23(5):1343–1358, Jul 2017.
- [74] M. Panda, A. Ali, T. Chahed, and E. Altman. Tracking message spread in mobile delay tolerant networks. *IEEE transactions on mobile computing*, 14(8):1737–1750, Aug 2015.
- [75] D. A. Rivera Villagra and A. R. Cavalli. Analysis and influence of economical decisions on the quality of experience of OTT services . *IEEE Latin America transactions*, 14(6):2773–2776, Jun 2016.
- [76] L. Sassatelli, A. Ali, M. Panda, E. Altman, and T. Chahed. Reliable transport in delay tolerant networks with opportunistic routing. *IEEE transactions on wireless communications*, 13(10):5546–5557, Oct 2014.
- [77] M. A. To De Leon, O. R. Rodas Hernandez, P. Biba, and S. Maag. A proactive approach for strip interoperability in wireless Ad hoc routing protocols. *IEEE Latin America transactions*, 14(6):2543–2549, Jun 2016.
- [78] K. Toumi, C. Andrés, and A. R. Cavalli. Formal framework for defining trust in multi-organisation environment. *International journal of autonomous and adaptive communications systems*, 9(1-2):164–178, Mar 2016.
- [79] K. Toumi, A. R. Cavalli, and A. S. Cesar. Validation of a trust approach in multi-organization environments. *International journal of secure software engineering*, 5(1):1–18, Jan 2014.
- [80] Ö. C. Turna, M. A. Aydin, A. H. Zaim, and T. Atmaca. A new dynamic bandwidth allocation algorithm based on online-offline mode for EPON. *Optical switching and networking (OSN)*, 15:29–43, Jan 2015.
- [81] H. L. Vinh and A. R. Cavalli. Security attacks and solutions in Vehicular Ad Hoc Networks : a survey. *International journal on AdHoc networking systems (IJANS)*, 4(2):1–20, Apr 2014.
- [82] G. Wang, W. Ben-Ameur, J. Neto, and A. Ouorou. Optimal mapping of cloud virtual machines. *Electronic notes in discrete mathematics*, 52:93–100, Jun 2016. (INOC 2015 7th International Network Optimization Conference).

- [83] L. Wang, D. Zhang, H. Xiong, C. Chen, B. Xie, and J. P. Gibson. ecoSense : minimize participants' total 3G data cost in mobile crowdsensing using opportunistic relays. *IEEE transactions on systems, man, and cybernetics. Systems*, 47(6):965–978, Jun 2017.
- [84] H. Xiong, D. Zhang, D. Zhang, K. Yang, M. Becker, and V. Gauthier. MPaaS : mobility prediction as a service in telecom cloud. *Information Systems Frontiers*, 16(1):59–75, Mar 2014.
- [85] H. Yenigun, N. Yevtushenko, and N. Kushik. The complexity of checking the existence and derivation of adaptive synchronizing experiments for deterministic FSMs. *Information processing letters*, 127:49–53, Nov 2017.
- [86] W. Yoro, T. Chahed, M. El Tabach, A. Gati, and T. En-Najjary. Service-oriented sharing of energy in wireless access networks using shapley value. *Computer networks - The international journal of computer and telecommunications networking*, 113:46–57, Feb 2017.
- [87] M.-A. Zemni, A. Mammar, and N. Ben Hadj Alouane. An automated approach for merging business process fragments. *Computers in industry*, 82:104–118, Oct 2016.
- [88] M. Zotkiewicz and W. Ben-Ameur. Volume-oriented routing and its modifications. *Telecommunication systems*, 52(2):935–945, Feb 2013.

Conférences

- [1] E. Abd-Elrahman, A. M. Said, T. Toukabri, M. Marot, and H. Afifi. Assisting V2V failure recovery using Device-to-Device communications . In IEEE, editor, *WD 2014 : IFIP Wireless Days*, pages 1–3, 2014.
- [2] E. Abd-Elrahman, A. M. Said, T. Toukabri, M. Marot, and H. Afifi. A hybrid model to extend vehicular intercommunication V2V through D2D architecture. In IEEE, editor, *ICNC 2015 : International Conference on Computing, Networking and Communications*, pages 754–759, 2015.
- [3] A. Abdel Razzac, T. Chahed, and S.-E. Elayoubi. Control of performance in mobile networks in the presence of user impatience. In IEEE Computer Society, editor, *VTC FALL 2016 : 84th Vehicular Technology Conference*, pages 1–7, Los Alamitos, 2016.
- [4] A. Abdel Razzac, L. Salahaldin, T. Chahed, Y. Hayel, and S.-E. Elayoubi. Real options for investment decisions in mobile TV infrastructure. In Real Options Group, editor, *REAL OPTIONS 2016 : 20th Annual International Conference*, pages 1–12, 2016.
- [5] A. Abdel-Razzak, S.-E. Elayoubi, T. Chahed, and B. El Hassan. Comparison of LTE eMBMS and DVB-NGH mobile TV solutions from an energy consumption perspective . In IEEE, editor, *PIMRC 2013 : 24th Annual IEEE International Symposium on Personal, Indoor and Mobile Radio Communications*, pages 16–20, 2013.
- [6] A. Abdel-Razzak, S.-E. Elayoubi, T. Chahed, and B. El Hassan. Impact of LTE and DVB-NGH cooperation on QoS of mobile TV users. In IEEE, editor, *ICC 2013 : IEEE International Conference on Communications*, pages 3672–3677, 2013.
- [7] A. Abdel-Razzak, S.-E. Elayoubi, T. Chahed, and B. El Hassan. Planning of Mobile TV service in standalone and cooperative DVB-NGH and LTE networks. In IEEE, editor, *WiVid '13 : First International Workshop on Modeling, Measurements and Optimization of Video Performance over Wireless*, pages 609–614, 2013. In conjunction with WiOpt '13 : 11th Intl. Symposium on Modeling and Optimization in Mobile, Ad Hoc, and Wireless Networks.
- [8] A. Abdel-Razzak, S.-E. Elayoubi, T. Chahed, and B. El Hassan. Practical implementation of Mobile TV delivery in cooperative LTE/DVB networks. In IEEE, editor, *WIOPT 2014 : 12th International Symposium on Modeling and Optimization in Mobile, Ad Hoc, and Wireless Networks*, pages 662–666, 2014.
- [9] M. Abdelmoumen, M. Ayedi, M. Frikha, and T. Chahed. On throughput performance and its enhancement in Mobile Ad Hoc Networks. In Research International Academy and Industry Association (IARA), editors, *ICSNC 2014 : 9th International Conference on Systems and Networks Communications*, pages 73–78, 2014.
- [10] M. Abdelmoumen, E. Jaidane, M. Frikha, and T. Chahed. Performance of Delay Tolerant Mobile Networks under propagation and buffer capacity constraints. In IEEE, editor, *IWCNC 2015 : 11th Wireless Communications and Mobile Computing Conference*, pages 308–313, 2015.
- [11] R. Abreu, C. Andrés, and A. R. Cavalli. A framework to reduce the cost of monitoring and diagnosis using game theory. In Springer, editor, *CRISIS 2016 : 11th International Conference on Risks and Security of Internet and Systems*, pages 169–182, Cham, 2017.
- [12] R. Agarwal, V. Gauthier, and M. Becker. Enhancing information dissemination in metapopulation using human mobility trace and beamforming. In *NETMOB 2013 : 3rd International Conference on the Analysis of Mobile Phone Datasets*, 2013.

- [13] Y. Ait-Ameur, I. Ait-Sadoune, P. Casteran, K. Hacid, D. Méry, N. Singh, L. Voisin, L. Mohand-Oussaid, S. Kherroubi, and J. P. Gibson. On the importance of explicit domain modelling in refinement-based modelling design : experiments with Event-B. In Springer, editor, *ABZ 2018 : 6th International ABZ Conference on Abstract State Machines, Alloy, B, TLA, VDM and Z*, pages 425–430, Cham, 2018. Lecture Notes in Computer Science, vol. 10817.
- [14] F. Ait Salaht and H. Castel-Taleb. Bounding aggregations on bulk arrivals for performance analysis of clouds . In IEEE Computer Society, editor, *AICCSA 2015 : 12th International Conference on Computer Systems and Applications*, pages 1–8, 2015.
- [15] F. Ait Salaht and H. Castel-Taleb. Stochastic bounding models for performance analysis of clouds. In IEEE, editor, *CIT 2015 : 15th IEEE International Conference on Computer and Information Technology*, pages 603–610, 2015.
- [16] F. Ait Salaht and H. Castel-Taleb. The threshold based queueing system with hysteresis for performance analysis of clouds. In IEEE, editor, *CITS 2015 : International Conference on Computer, Information and Telecommunication Systems*, pages 1–5, 2015.
- [17] F. Ait Salaht and H. Castel-Taleb. Bounding aggregations on phase-type arrivals for performance analysis of clouds. In IEEE Computer Society, editor, *MASCOTS 2016 : 24th International Symposium on Modeling, Analysis and Simulation of Computer and Telecommunication Systems*, pages 319–324, London, 2016.
- [18] F. Ait Salaht and H. Castel-Taleb. Performance analysis of clouds with phase-type arrivals. In *CORES 2016 : 1ères Rencontres Francophones sur la Conception de Protocoles, l’Évaluation de Performance et l’Expérimentation des Réseaux de Communication*, pages 1–4, 2016. Les organisateurs ont demandé la publication des communications directement dans HAL (<http://cores2016.conf.citi-lab.fr/>).
- [19] F. Ait Salaht, H. Castel-Taleb, J.-M. Fourneau, and N. Pekergin. A bounding histogram approach for network performance analysis. In IEEE, editor, *HPCC 2013 : 15th IEEE International Conference on High Performance Computing and Communications*, pages 458–465, 2013.
- [20] F. Ait Salaht, H. Castel-Taleb, J.-M. Fourneau, and N. Pekergin. Modeling networks and active queues management with stochastic bounds and histograms. In British Computer Society, editor, *VECoS 2013 : 7th International Workshop on Verification and Evaluation of Computer and Communication Systems*, 2013.
- [21] F. Ait Salaht, H. Castel-Taleb, J.-M. Fourneau, and N. Pekergin. Stochastic bounds and histograms for network performance analysis. In Springer, editor, *EPEW ’13 : 10th European Workshop on Performance Engineering*, volume 8168, pages 13–27, Heidelberg;New-York;Dordrecht [etc.], 2013. Collection : Lecture Notes in Computer science.
- [22] F. Ait Salaht, H. Castel-Taleb, J.-M. Fourneau, and N. Pekergin. Une approche combinant bornes stochastiques, traces et histogrammes pour l’analyse de performance des réseaux. In Hermès-Lavoisier, editor, *MSR 2013 : Modélisation des Systèmes Réactifs*, pages 165–179, Cachan, 2013.
- [23] F. Ait Salaht, H. Castel-Taleb, J.-M. Fourneau, and N. Pekergin. Stochastic bounds and histograms for active queues management and networks analysis. In Springer, editor, *ASMTA 2016 : 23rd International Conference on Analytical and Stochastic Modelling Techniques and Applications*, pages 1–16, Cham, 2016.
- [24] F. Ait Salaht, H. Castel-Taleb, J.-M. Fourneau, and N. Pekergin. Stochastic bounds for switched Bernoulli batch arrivals observed through measurements. In Springer, editor, *ASMTA 2017 : international conference on Analytical and Stochastic Modeling Techniques and Applications*, pages 1–15, Cham, 2017. Lecture Notes in Computer Science, vol 10378.
- [25] F. Ait Salaht, H. Castel-Taleb, and E. Hyon. Politique optimale d’activation et désactivation des serveurs dans un modèle de cloud computing. In Société française de recherche opérationnelle et daide à la décision, editor, *ROADEF 2016 : 17ème conférence de la Société française de recherche opérationnelle et daide à la décision*, pages 1–2, 2016.
- [26] F. Ait Salaht, H. Castel-Taleb, T. Mautour, N. Pekergin, and J.-M. Fourneau. Smoothing the input process in a batch queue. In Springer, editor, *ISCIS 2015 : 30th International Symposium on Computer and Information Sciences*, volume 363, pages 223–232, 2015.
- [27] J. A. Alvarez Aldana, S. Maag, and F. Zaidi. MANETs monitoring with a distributed hybrid architecture. In IEEE Computer Society, editor, *NCA 2016 : 15th IEEE International Symposium on Network Computing and Applications*, pages 388–391, Los Alamitos, 2016.
- [28] J. A. Alvarez Aldana, S. Maag, and F. Zaidi. DHYMON : a continuous Decentralized HYBrid MONitoring architecture for MANETs. In IEEE Computer Society, editor, *LATINCOM 2017 : 9th IEEE Latin-American Conference on Communications Workshop*, Los Alamitos, 2017.
- [29] J. A. Alvarez Aldana, S. Maag, and F. Zaidi. Monitoring dynamic mobile ad-hoc networks : a fully distributed hybrid architecture. In IEEE Computer Society, editor, *AINA 2017 : 31st IEEE International Conference on Advanced Information Networking and Applications*, pages 407–414, Los Alamitos, 2017.
- [30] V. Angilella, M. Chardy, and W. Ben-Ameur. Cables network design optimization for the Fiber To The Home. In IEEE Computer Society, editor, *DRCN 2016 : 12th International Conference on the Design of Reliable Communication Networks*, pages 87–94, Los Alamitos, 2016.

- [31] V. Angilella, M. Chardy, and W. Ben-Ameur. Fiber cable network design with operations administration & maintenance constraints. In Scitepress, editor, *ICORES 2018 : 7th International Conference on Operations Research and Enterprise Systems*, pages 94–105, Setúbal, 2018.
- [32] M. Aouadi, A. S. Cesar, and A. R. Cavalli. A Short Survey of Access Control Models. In *The Asian Conference on Technology, Information, & Society*, 2014.
- [33] M. Aouadi, K. Toumi, and A. R. Cavalli. On modeling and testing security properties of vehicular networks. In IEEE, editor, *ICSTW 2014 : 7th International Conference on Software Testing, Verification and Validation Workshops*, pages 42–50, 2014.
- [34] M. Aouadi, K. Toumi, and A. R. Cavalli. An active testing tool for security testing of distributed systems. In IEEE, editor, *ARES 2015 : 10th International Conference on Availability, Reliability and Security*, pages 735–740, 2015.
- [35] M. Assaad, W. Ben-Ameur, and F. Hamid. An interval assignment problem for resource optimization in LTE networks. In Elsevier, editor, *INOC '13 : International Network Optimization Conference*, volume 41, pages 237–244, 2013. Collection : Electronic Notes in Discrete Mathematics.
- [36] T. Atmaca, T. Czachórski, K. Grochla, F. Pekergin, and T. Nycz. A model of boot-up storm dynamics. In Springer, editor, *ISCIS '12 : 27th International Symposium on Computer and Information Sciences*, pages 371–379, London ;Heidelberg ;New-York [etc.], 2013.
- [37] J. E. Baliasian and A. R. Cavalli. An abstraction for the interoperability analysis of security policies. In Springer international publishing, editor, *NSS 2015 : 9th International Conference on Network and System Security*, pages 418–427, Cham, 2015.
- [38] F. Barbosa Abreu, A. Morais, A. R. Cavalli, E. Montes De Oca, and B. Wehbi. An effective attack detection approach in wireless mesh networks. In IEEE Computer Society, editor, *NetMM '13 : International Workshop on Network Management and Monitoring*, pages 1450 –1455, 2013. In conjunction with AINA '13 : 27th IEEE International Conference on Advanced Information Networking and Applications.
- [39] P.-O. Bauguion, W. Ben-Ameur, and E. Gourdin. A new model for multicommodity flow problems, and a strongly polynomial algorithm for single-source maximum concurrent flow. In Elsevier, editor, *INOC '13 : International Network Optimization Conference*, volume 41, pages 311–318, 2013. Collection : Electronic Notes in Discrete Mathematics.
- [40] A. Bellachehab and J. Jakubowicz. Distributed consensus for metamorphic systems using a gossip algorithm for CAT(0) metric spaces . In AIP Publishing, editor, *MAXENT 2014 : 34th International Workshop on Bayesian Inference and Maximum Entropy Methods in Science and Engineering*, volume 1641, pages 530–537, 2014.
- [41] A. Bellachehab and J. Jakubowicz. Random pairwise gossip on CAT(0) metric spaces. In IEEE, editor, *CDC 2014 : 53rd IEEE Conference on Decision and Control*, pages 5593–5598, 2014.
- [42] A. Bellachehab and J. Jakubowicz. Random pairwise gossip on CAT(k) metric spaces. In Springer international publishing, editor, *GSI 2015 : 2nd conference on Geometric Science of Information*, pages 702–709, Cham, 2015.
- [43] W. Ben-Ameur, P. Bianchi, and J. Jakubowicz. A total variation based approach for robust consensus in distributed networks. In IEEE, editor, *CDC 2013 : 52nd IEEE Conference on Decision and Control*, pages 1690–1695, 2013.
- [44] W. Ben-Ameur, A. Glorieux, and J. Neto. On the most imbalanced orientation of a graph. In Springer international publishing, editor, *COCOON 2015 : 21st International Conference on Computing and Combinatorics*, volume 9198, pages 16–29, Cham, 2015.
- [45] W. Ben-Ameur, A. Glorieux, and J. Neto. A full description of polytopes related to the index of the lowest nonzero row of an assignment matrix. In Springer, editor, *ISCO 2016 : 4th International Symposium on Combinatorial Optimization*, pages 13–25, Cham, 2016.
- [46] W. Ben-Ameur, A. Glorieux, and J. Neto. From graph orientation to the unweighted maximum cut. In Springer, editor, *COCOON 2016 : 22nd International Conference on Computing and Combinatorics*, pages 370–384, Cham, 2016.
- [47] W. Ben-Ameur, M. A. Mohamed Sidi, and J. Neto. The k-separator problem. In Springer, editor, *COCOON '13 : 19th International Computing & Combinatorics Conference*, volume 7936, pages 337–348, Heidelberg ;Dordrecht ;London [etc.], 2013. Collection : Lecture Notes in Computer Science.
- [48] W. Ben-Ameur and M. Zatkiewicz. Multipolar routing : where dynamic and static routing meet. In Elsevier, editor, *INOC '13 : International Network Optimization Conference*, volume 41, pages 61–68, 2013. Collection : Electronic Notes in Discrete Mathematics.
- [49] P. Bianchi, S. Clémenccon, G. Morral, and J. Jakubowicz. On-line learning gossip algorithm in multi-agent systems with local decision rules. In IEEE, editor, *BIGDATA 2013 : International Conference on Big Data*, 2013.
- [50] S. Boubaker, A. Mammar, M. Graiet, and W. Gaaloul. A formal guidance approach for correct process configuration. In Springer, editor, *ICSOC 2016 : 14th International Conference on Service-Oriented Computing*, pages 483–498, Cham, 2016.

- [51] S. Boubaker, A. Mammar, M. Graiet, and W. Gaaloul. An event-B based approach for ensuring correct configurable business processes. In IEEE Computer Society, editor, *ICWS 2016 : 23rd IEEE International Conference on Web Services*, pages 460–467, 2016.
- [52] S. Boubaker, A. Mammar, M. Graiet, and W. Gaaloul. Formal verification of cloud resource allocation in business processes using Event-B. In IEEE, editor, *AINA 2016 : 30th International Conference on Advanced Information Networking and Applications*, pages 746–753, 2016.
- [53] A. Bradai, W. Ben-Ameur, and H. Afifi. Byzantine-resistant reputation-based trust management . In IEEE, editor, *COLLABORATECOM 2013 : 9th IEEE International Conference on Collaborative Computing : Networking, Applications and Worksharing*, pages 269–278, 2013.
- [54] P. Carvallo, A. R. Cavalli, and N. Kushik. A study of threat detection systems and techniques in the cloud. In Springer, editor, *CRISIS 2017 : 12th International Conference on Risks and Security of Internet and Systems*, pages 140–155, Cham, 2017. Lecture Notes in Computer Science, vol 10694.
- [55] P. Carvallo, A. R. Cavalli, and N. Kushik. Automatic derivation and validation of a cloud dataset for insider threat detection. In Scitepress, editor, *ICSOFT 2017 : 12th International Conference on Software Technologies*, pages 480–487, Setúbal, 2017.
- [56] P. Carvallo, A. R. Cavalli, W. Mallouli, and E. Rios. Multi-cloud applications security monitoring. In Springer, editor, *GPC 2017 : 12th International Conference on Green, Pervasive, and Cloud Computing*, pages 748–758, Cham, 2017.
- [57] R. Cauderlier and C. Dubois. ML pattern-matching, recursion, and rewriting : from FoCaLiZe to Dedukti. In Springer, editor, *ICTAC 2016 : International Colloquium on Theoretical Aspects of Computing*, pages 57–75, Cham, 2016.
- [58] R. Cauderlier and C. Dubois. FoCaLiZe and Dedukti to the rescue for proof interoperability. In Springer, editor, *ITP 2017 : International Conference on Interactive Theorem Proving*, pages 131–147, 2017.
- [59] A. R. Cavalli and W. Mallouli. Monitoring techniques in practice : experiences and lessons learned. In *SAM 2016 : 9th System Analysis and Modelling Conference*, 2016.
- [60] A. S. Cesar, A. R. Cavalli, N. Yevtushenko, R. Abreu, and J. Santos. On modeling and testing components of the European Train Control System. In Institute of Research Engineers and Doctors (IRED), editors, *IPCT 2014 : International Conference on Advances in Information Processing And Communication Technology*, pages 31–35, 2014.
- [61] X. Che and S. Maag. A formal passive performance testing approach for distributed communication systems. In ScitePress, editor, *ENASE 2013 : 8th International Conference on Evaluation of Novel Approaches to Software Engineering*, pages 74–84, 2013. Held in conjunction with ICEIS 2013. Best Student Paper Award.
- [62] X. Che and S. Maag. A passive testing approach for protocols in internet of things. In IEEE Computer Society, editor, *iThings 2013 : IEEE International Conference on Internet of Things*, pages 678–684, 2013.
- [63] X. Che and S. Maag. Passive testing on performance requirements of network protocols. In IEEE, editor, *NETMM2013 : International Workshop on Network Management and Monitoring*, pages 1439–1444, 2013. In conjunction with AINA 2013 : 27th IEEE International Conference on Advanced Information Networking and Applications.
- [64] X. Che, S. Maag, and J. E. Lopez Coronado. A formal online mMonitoring approach to test network protocols. In IARIA, editor, *ADVCOMP 2014 : 8th International Conference on Advanced Engineering Computing and Applications in Sciences*, pages 50–54, 2014.
- [65] X. Che, S. Maag, J. E. Lopez Coronado, and A. R. Cavalli. Testing network protocols : formally, at runtime and online. In Knowledge Systems Institute Graduate School of Computer and Information Sciences, editors, *SEKE 2014 : 26th International Conference on Software Engineering and Knowledge Engineering*, pages 90–93, 2014.
- [66] X. Che, S. Maag, H.-X. Tan, and H.-P. Tan. Passively testing routing protocols in Wireless Sensor Networks. In IEEE, editor, *UIC 2015 : 12th IEEE International Conference on Ubiquitous Intelligence and Computing*, pages 270–277, 2015.
- [67] X. Che, H. N. Nguyen, S. Maag, and F. Zaidi. Guiding testers' hands in monitoring tools : application of testing approaches on SIP. In Springer international publishing, editor, *ICTSS 2015 : 27th IFIP International Conference on Testing Software and Systems*, pages 105–123, 2015.
- [68] S. Cheick, T. Chahed, and S.-E. Elayoubi. Modeling user impatience and its impact on performance in mobile networks. In IEEE, editor, *PIMRC 2013 : 24th Annual IEEE International Symposium on Personal, Indoor and Mobile Radio Communications*, pages 2861–2865, 2013.
- [69] C. Chen, D. Zhang, Z.-H. Zhou, T. Atmaca, S. Li, and N. Li. B-Planner : night bus route planning using large-scale taxi GPS traces. In IEEE, editor, *PerCom '13 : IEEE International Conference on Pervasive Computing and Communications*, 2013.

- [70] L. Chen and J. Jakubowicz. Inferring bike trip patterns from bike sharing system open data. In IEEE, editor, *BIGDATA 2015 : International Conference on Big Data*, pages 2898–2900, 2015.
- [71] L. Chen, D. Yang, J. Jakubowicz, D. Zhang, S. Li, and G. Pan. Sensing the pulse of urban activity centers leveraging bike sharing open data. In IEEE Computer Society, editor, *UIC 2015 : 12th IEEE International Conference on Ubiquitous Intelligence and Computing*, pages 135–142, 2015.
- [72] L. Chen, D. Zhang, L. Wang, X. Ma, Z. Wu, T.-M.-T. Nguyen, J. Jakubowicz, G. Pan, S. Li, and D. Yang. Dynamic cluster-based over-demand prediction in bike sharing systems. In ACM, editor, *UBICOMP 2016 : ACM International Joint Conference on Pervasive and Ubiquitous Computing*, pages 841–852, New York, 2016.
- [73] S. Clemenccon and J. Jakubowicz. Scoring anomalies : a M-estimation formulation. In Microtome Publishing JMLR, editor, *AISTATS 2013 : 16th international conference on Artificial Intelligence and Statistics*, volume 31, pages 659–667, 2013. Journal of Machine Learning Research Workshop and Conference Proceedings (JMLR W&CP).
- [74] A. Cuadra-Sánchez, M. D. M. Cutanda-Rodriguez, A. Aurelius, J. E. López De Vergara, L. Jukka-Pekka, A. R. Cavalli, B. Augustin, I. Perez-Mateos, A. Mellouk, A. Morais, M. Varela, and K. Brunnström. Ecosystem for customer experience assurance. In IEEE, editor, *SACONET 2013 : International Conference on Smart Communications in Network Technologies*, volume 3, pages 1–5, 2013.
- [75] S. Dahab, J. J. Hernandez Porras, and S. Maag. A software measurement plan management guided by an automated metrics suggestion framework. In Conference Publishing Services, editor, *EECS 2017 : European Conference on Electrical Engineering & Computer Science*, 2017.
- [76] S. Dahab, J. J. Hernandez Porras, and S. Maag. Automated suggesting software metrics framework. In IEEE Computer Society, editor, *LATINCOM 2017 : 9th IEEE Latin-American Conference on Communications Workshop*, Los Alamitos, 2017.
- [77] S. Dahab, S. Maag, A. Bagnato, and M. A. Almeida Da Silva. A learning based approach for green software measurements . In CEUR-WS, editor, *MEGSUS 2016 : 3rd International Workshop on Measurement and Metrics for Green and Sustainable Software Systems*, volume 1708, pages 13–22, Aachen, 2016.
- [78] S. Dahab, S. Maag, and X. Che. A software measurement framework guided by Support Vector Machines. In IEEE Computer Society, editor, *31st International Conference on Advanced Information Networking and Applications Workshops*, pages 397–402, Los Alamitos, 2017.
- [79] G. Dandachi, T. Chahed, S.-E. Elayoubi, Z. Fawal, and N. Chendeb. Joint allocation strategies for radio and processing resources in Virtual Radio Access Networks (V-RAN). In IEEE Computer Society, editor, *PIMRC 2017 : 28th Annual International Symposium on Personal, Indoor, and Mobile Radio Communications*, pages 1–6, Los Alamitos, 2017.
- [80] G. Dandachi, S.-E. Elayoubi, T. Chahed, and N. Chendeb. Performance evaluation of user centric multihoming strategies in LTE/WiFi networks. In IEEE, editor, *WCNC 2016 : Wireless Communications and Networking Conference*, pages 1–6, 2016.
- [81] G. Dandachi, S.-E. Elayoubi, T. Chahed, H. Jebalia, and N. Chendeb. Comparing resource allocation schemes in multi-homed LTE/WiFi access networks. In IEEE, editor, *VTC FALL 2015 : 82nd Vehicular Technology Conference*, pages 1–6, 2015.
- [82] S. V. Dhamal, W. Ben-Ameur, T. Chahed, and E. Altman. Resource allocation polytope games : uniqueness of equilibrium, price of stability, and price of anarchy. In Association for the Advancement of Artificial Intelligence, editor, *AAAI 2018 : 32nd AAAI conference on Artificial Intelligence*, pages 997–1006, Palo Alto, 2018.
- [83] F. Diagne, A. Mammar, and M. Frappier. A tool for verifying dynamic properties in B. In Springer International Publishing, editor, *SEFM 2014 : 12th International Conference on Software Engineering and Formal Methods*, pages 290–295, Cham, 2014.
- [84] C. Dubois, A. Giorgetti, and R. Genestier. Tests and proofs for enumerative combinatorics. In Springer, editor, *TAP 2016 : International Conference on Tests and Proofs*, pages 57–75, Cham, 2016.
- [85] R. A. Fuentes Samaniego, A. R. Cavalli, W. Mallouli, and J. E. Baliosian. Monitoring-based validation of functional and performance aspects of a greedy ant colony optimization protocol . In IEEE, editor, *LANOMS 2015 : 8th Latin American Network Operations and Management Symposium*, pages 69–72, 2015.
- [86] R. A. Fuentes Samaniego, A. R. Cavalli, and J. A. Nolazco-Flores. An analysis of secure M2M communication in WSNs using DTLS. In IEEE, editor, *STAM 2016 : 2nd IEEE International Workshop on Security Testing and Monitoring*, pages 78–83, 2016. Co-located with IEEE ICDCSW 2016, Nara, Japan.
- [87] R. A. Fuentes Samaniego, A. R. Cavalli, J. A. Nolazco-Flores, and J. E. Baliosian. A survey on wireless sensors networks security based on a layered approach. In Springer international publishing, editor, *WWIC 2015 : 13th International Conference on Wired/Wireless Internet Communications*, volume 9071, pages 77–93, Cham, 2015.

- [88] N. Gensollen, M. Becker, V. Gauthier, and M. Marot. Coalition formation algorithm of prosumers in a smart grid environment. In *ICC 2015 : IEEE International Conference on Communications*, pages 5896–5902, 2015.
- [89] N. Gensollen, V. Gauthier, M. Marot, and M. Becker. Submodular optimization for control of prosumer networks. In IEEE Computer Society, editor, *SMARTGRIDCOMM 2016 : 7th IEEE International Conference on Smart Grid Communications*, pages 1–6, Los Alamitos, 2016.
- [90] J. P. Gibson, I. Ait-Sadoune, and M. Pantel. Semantic heterogeneity in the formal development of complex systems. In Springer, editor, *ISoLA 2016 : Leveraging Applications of Formal Methods, Verification and Validation : Foundational Technique*, pages 321–324, Cham, 2016.
- [91] J. P. Gibson and D. Méry. Explicit modelling of physical measures : from Event-B to Java. In Electronic Proceedings in Theoretical Computer Science, editor, *IMPEX 2017 : 1st International Workshop on Handling IMPlicit and EXplicit knowledge in formal system development*, volume 271, pages 64–79, 2018.
- [92] J. P. Gibson, K. Souad, and D. Méry. Applying a dependency mechanism in the formal development of voting protocol models using Event-B. In Springer, editor, *FORTE 2017 : 37th International Conference on Formal Techniques for Distributed Objects, Components, and Systems*, pages 124–138, Cham, 2017.
- [93] G. Gonzalez and T. Atmaca. An integrated bandwidth allocation for energy saving in fixed-mobile networks. In IEEE, editor, *CAMAD 2013 : 18th IEEE International Workshop on Computer Aided Modeling Analysis and Design of Communication Links and Networks*, pages 73–78, 2013.
- [94] G. Gonzalez, T. Atmaca, and T. Czachórski. An energy saving solution in integrated access networks . In Springer-Verlag, editor, *CN 2015 : 22nd International Conference on Computer Networks*, volume 522, pages 222–231, Pologne, 2015.
- [95] M. Graa, N. Cuppens-Boulahia, F. Cuppens, and A. R. Cavalli. Détection de flux de contrôle illégaux dans les smartphones . In *INFORSID 2014 : 32ème congrès de l'INformatique des ORganisations et Systèmes d'Information et de Décision*, pages 1–16, 2014.
- [96] M. Graa, N. Cuppens-Boulahia, F. Cuppens, and A. R. Cavalli. Protection against code obfuscation attacks based on control dependencies in Android systems. In IEEE, editor, *SERE-C 2014 : Eighth International Conference on Software Security and Reliability-Companion*, pages 149–157, 2014.
- [97] K. Hassine, M. Frikha, and T. Chahed. Proposal for access point backhaul resource aggregation and its modeling using one-to-one matching game. In ACM, editor, *MOMM 2015 : 13th International Conference on Advances in Mobile Computing and Multimedia*, pages 285–292, New York, 2015.
- [98] K. Hassine, M. Frikha, and T. Chahed. Greedy versus limited access point backhaul resource aggregation in wireless local area networks. In IEEE, editor, *AINA 2016 : 30th International Conference on Advanced Information Networking and Applications*, pages 166–173, 2016.
- [99] Z. Hraiech, F. Abdelkefi, M. Siala, and W. Ben-Ameur. Characterization of Ping-Pong Optimized Pulse Shaping-OFDM (POPS-OFDM) for 5G systems. In IEEE, editor, *VTC Spring 2015 : 81st Vehicular Technology Conference*, pages 1–6, 2015.
- [100] N. Huynh, M. Frappier, A. Mammar, J. Desharnais, and R. Laleau. Validating the RBAC ANSI 2012 standard using B. In Springer Verlag, editor, *ABZ 2014 : 4th International Conference on Abstract State Machines, Alloy, B, TLA, VDM, and Z*, pages 255–270, Berlin Heidelberg, 2014.
- [101] N. Huynh, M. Frappier, A. Mammar, and R. Laleau. Verification of SGAC access control policies using Alloy and ProB. In IEEE Computer Society, editor, *HASE 2017 : 18th International Symposium on High Assurance Systems Engineering*, pages 120–123, Los Alamitos, 2017.
- [102] N. Huynh, M. Frappier, H. Pooda, R. Laleau, and A. Mammar. SGAC : a patient-centered access control method. In IEEE Computer Society, editor, *RCIS 2016 : 10th International Conference on Research Challenges in Information Science*, pages 1–12, 2016.
- [103] A. Jaziri, R. Nasri, and T. Chahed. Traffic hotspot localization in 3G and 4G wireless networks using OMC metrics. In IEEE, editor, *PIMRC 2014 : 25th Annual International Symposium on Personal, Indoor, and Mobile Radio Communication*, pages 270–274, 2014.
- [104] A. Jaziri, R. Nasri, and T. Chahed. Performance analysis of small cells' deployment under imperfect traffic hotspot localization. In IEEE, editor, *GLOBECOM 2015 : IEEE Global Communications Conference*, pages 1–6, 2015.
- [105] A. Jaziri, R. Nasri, and T. Chahed. Congestion mitigation in 5G networks using drone relays. In IEEE, editor, *IWCNC 2016 : 12th International Wireless Communication and Mobile Computing Conference*, pages 233–238, 2016. 5G Workshop.
- [106] A. Jaziri, R. Nasri, and T. Chahed. Offloading traffic hotspots using moving small cells. In *ICC 2016 : International Conference on Internet of things and Cloud Computing*, pages 1–6, 2016.

- [107] Y. Jiao, M. Cor nec, and J. Jakubowicz. An entropy-based term weighting scheme and its application in e-commerce search engines. In iSWAG, editor, *iSWAG 2015 : 1st International Symposium on Web Algorithms*, pages 1–6, 2015.
- [108] M. M. Kandi, F. Ait Salaht, H. Castel-Taleb, and E. Hyon. Analysis of performance and energy consumption in the cloud. In Springer, editor, *EPEW2017 : European Workshop on Performance Engineering*, pages 199–213, Cham, 2017. Lecture Notes in Computer Science, vol 10497.
- [109] M. M. Kandi, F. Ait Salaht, H. Castel-Taleb, and E. Hyon. Compromis entre énergie et performance dans le cloud. In *CORES 2017 : 2e rencontres francophones sur la conception de protocoles, l'évaluation de performance et l'expérimentation des réseaux de communication*, pages 1–4, 2017. Publication des actes dans HAL : <https://hal.archives-ouvertes.fr/CORES2017>.
- [110] O. Kondratyeva, A. R. Cavalli, N. Kushik, and N. Yevtushenko. Evaluating quality of web services : a short survey. In IEEE Computer Society, editor, *ICWS 2013 : 20th International Conference on Web Services*, pages 587–594, 2013. Co-located events : CLOUD, SCC, MS, BigData, SERVICES 2013.
- [111] O. Kondratyeva, N. Kushik, A. R. Cavalli, and N. Yevtushenko. Evaluating Web service quality using finite state models. In IEEE Computer Society, editor, *QSIC 2013 : 13th International Conference on Quality Software*, pages 95–102, 2013.
- [112] N. Kushik, A. Kolomeez, A. R. Cavalli, and N. Yevtushenko. Extended Finite State Machine based test derivation strategies for telecommunication protocols. In Syrcose, editor, *SYRCoSE 2014 : 8th Spring/Summer Young Researchers Colloquium on Software Engineering*, volume 2014 (8), pages 108–113, 2014.
- [113] N. Kushik, J. E. Lopez Coronado, A. R. Cavalli, and N. Yevtushenko. Optimizing protocol passive testing through ‘Gedanken’ experiments with Finite State Machines. In IEEE, editor, *QRS 2016 : International Conference on Software Quality, Reliability and Security*, pages 315–322, 2016.
- [114] N. Kushik and H. Yenigun. Heuristics for deriving adaptive homing and distinguishing sequences for nondeterministic finite state machines. In Springer international publishing, editor, *ICTSS 2015 : 27th IFIP International Conference on Testing Software and Systems*, pages 243–248, Cham, 2015.
- [115] N. Kushik, N. Yevtushenko, and A. R. Cavalli. On testing against partial non-observable specifications. In IEEE, editor, *QUATIC 2014 : 9th International Conference on the Quality of Information and Communications Technology*, pages 230–233, 2014.
- [116] N. Kushik, N. Yevtushenko, A. R. Cavalli, J. Pokhrel, and W. Mallouli. Evaluating web service QoE by learning logic networks. In Scitepress, editor, *WEBIST 2014 : 10th International Conference on Web Information Systems and Technologies*, volume 1, pages 168–176, 2014.
- [117] N. Kushik, N. Yevtushenko, and H. Yenigun. Reducing the complexity of checking the existence and derivation of adaptive synchronizing experiments for nondeterministic FSMs. In Scitepress, editor, *AMARETTO 2016 : 4th International Workshop on domAin specific Model-based AppRoaches to vErificaTion and validaTiOn*, pages 83–90, Setubal, 2016.
- [118] W. Labidi, T. Chahed, and S.-E. Elayoubi. Optimal energy management strategies in mobile networks powered by a smart grid. In IEEE Computer Society, editor, *ICC 2017 : IEEE International Conference on Communications*, pages 1–6, Los Alamitos, 2017.
- [119] F. Lalanne Rojas and S. Maag. DataMonitor : a formal approach for passively testing a MANET routing protocol. In IEEE, editor, *IWCMC '13 : The 9th IEEE International Wireless Communications & Mobile Computing Conference*, pages 207–212, 2013.
- [120] T. H. Le and S. Maag. Ads network monitoring integrating realistic urban mobility patterns. In IEEE, editor, *WAINA 2016 : 30th International Conference on Advanced Information Networking and Applications Workshops*, pages 737–742, 2016.
- [121] J. Lopez, N. Kushik, and N. Yevtushenko. Proactive trust assessment of systems as services. In Scitepress, editor, *ENASE 2017 : 12th international conference on Evaluation of Novel Approaches to Software Engineering*, pages 271–276, Setúbal, 2017.
- [122] J. Lopez and S. Maag. Towards a generic trust management framework using a machine-learning-based trust model. In IEEE, editor, *TRUSTCOM 2015 : 14th International Conference on Trust, Security and Privacy in Computing and Communications*, volume 1, pages 1343–1348, 2015.
- [123] J. Lopez, S. Maag, and G. Morales. A formal distributed network monitoring approach for enhancing trust management systems. In ACM, editor, *MEDES 2013 : International ACM Conference on Management of Emergent Digital EcoSystems*, pages 76–83, New York, 2013.
- [124] J. E. Lopez Coronado, X. Che, and S. Maag. An online passive testing approach for communication protocols . In IEEE, editor, *ENASE 2014 : 9th International Conference on Evaluation of Novel Approachees to Software Engineering*, pages 1–8, 2014.

- [125] J. E. Lopez Coronado, X. Che, S. Maag, and G. Morales. A distributed monitoring approach for trust assessment based on formal testing . In IEEE, editor, *WAINA 2014 : 28th International Conference on Advanced Information Networking and Applications Workshops*, pages 702–707, 2014.
- [126] J. E. Lopez Coronado, N. Kushik, A. R. Cavalli, and N. Yevtushenko. Optimizing network utilization through source code state model representation . In IEEE, editor, *EWDTs 2016 : 14th East-West Design & Test Symposium*, pages 1–4, 2016.
- [127] J. E. Lopez Coronado, N. Kushik, and N. Yevtushenko. On source code optimization for interpreted languages using state models. In Scitepress, editor, *ENASE 2016 : 11th International Conference on Evaluation of Novel Software Approaches to Software Engineering*, pages 282–287, 2016.
- [128] J. E. Lopez Coronado, N. Kushik, N. Yevtushenko, and D. Zeghlache. Analyzing and validating virtual network requests. In Scitepress, editor, *ICSOFT 2017 : 12th International Conference on Software Technologies*, pages 441–446, Setúbal, 2017.
- [129] J. E. Lopez Coronado, N. Kushik, and D. Zeghlache. Quality estimation of virtual machine placement in cloud infrastructures. In Springer, editor, *ICTSS 2017 : 19th International Conference on Testing Software and Systems*, pages 213–229, Cham, 2017.
- [130] J. E. Lopez Coronado, S. Maag, and G. Morales. TEAR : a multi-purpose formal language specification for TEsting At Runtime. In IEEE, editor, *ARES 2015 : 10th International Conference on Availability, Reliability and Security*, pages 727–734, 2015.
- [131] J. E. Lopez Coronado, S. Maag, C. Saint-Pierre, A. R. Cavalli, and J. A. Bustos Jimenez. Process mining for trust monitoring. In IEEE, editor, *WAINA 2015 : 29th International Conference on Advanced Information Networking and Applications Workshops*, pages 605–610, 2015.
- [132] J. C. Louzada Pinto and T. Chahed. Modeling multi-topic information diffusion in social networks using latent Dirichlet allocation and Hawkes processes. In IEEE, editor, *SITIS 2014 : 10th International Conference on Signal-Image Technology and Internet-Based Systems*, pages 339 –346, 2014.
- [133] J. C. Louzada Pinto and T. Chahed. Modeling user and topic interactions in social networks using Hawkes processes. In Social-Informatics Institute for Computer Sciences and Telecommunications Engineering (ICST), editors, *VALUETOOLS 2014 : 8th International Conference on Performance Evaluation Methodologies and Tools*, pages 58–65, Bruxelles, 2014.
- [134] J. C. Louzada Pinto, T. Chahed, and E. Altman. Trend detection in social networks using Hawkes processes. In ACM, editor, *ASONAM 2015 : International Conference on Advances in Social Networks Analysis and Mining*, pages 1441–1448, New York, 2015.
- [135] J. C. Louzada Pinto, T. Chahed, E. Altman, and T. Basar. Dissemination and competition between contents in lossy Susceptible Infected Susceptible (SIS) social networks. In IEEE, editor, *CDC 2013 : 52nd IEEE Conference on Decision and Control*, pages 5789–5796, 2013.
- [136] J. C. Louzada Pinto, T. Chahed, and J. Jakubowicz. A stochastic opinion dynamics model with multiple contents. In IEEE, editor, *CDC 2013 : 52nd IEEE Conference on Decision and Control*, pages 612–617, 2013.
- [137] S. Maag and A. J. F. Marroquín Piloña. Testing communication protocols within test cases dependencies framework. In IADIS, editor, *AC 2015 : 12th International Conference Applied Computing*, pages 80–88, 2015.
- [138] D. Macnamara, J. P. Gibson, and K. Oakley. Just like paper : a classification system for eVoting machines. In Edition Donau-Universität Krems, editor, *CeDEM13 : Conference for e-Democracy and Open Government*, pages 351–356, Krems, 2013.
- [139] D. Macnamara, J. P. Gibson, and K. Oakley. Just Like Paper : a baseline for classifying e-voting usability. In Edition Donau-Universitat Krems, editor, *CEDEM 2014 : International Conference for E-Democracy and Open Government*, pages 113–127, 2014.
- [140] A. Mammar, M. Frappier, S. Tueno, and R. Laleau. An Event-B model of the hybrid ERTMS/ETCS level 3 standard. In Springer, editor, *ABZ 2018 : 6th International ABZ Conference on Abstract State Machines, Alloy, B, TLA, VDM and Z*, pages 353–366, Cham, 2018.
- [141] A. Mammar and R. Laleau. A proved approach for building correct instances of UML associations : multiplicities satisfaction. In IEEE, editor, *APSEC 2014 : 21st Asia-Pacific Software Engineering Conference*, pages 438–445, 2014.
- [142] A. Mammar and R. Laleau. Modeling a landing gear system in Event-B. In Springer international publishing, editor, *ABZ 2014 : 4th International Conference on Abstract State Machines, Alloy, B, TLA, VDM, and Z*, pages 80–94, Cham, 2014.
- [143] A. Mammar and R. Laleau. On the use of domain and system knowledge modeling in goal-based Event-B specifications. In Springer, editor, *ISOLA 2016 : 7th International Symposium on Leveraging Applications of Formal Methods*, pages 325–339, Cham, 2016.

- [144] A. Mammar, T. M. Nguyen, and R. Laleau. Formal development of a secure access control filter. In IEEE, editor, *HASE 2016 : 17th International Symposium on High-Assurance Systems Engineering*, pages 173–180, 2016.
- [145] A. J. F. Marroquín Piloña, D. Gonzalez, and S. Maag. A novel distributed testing approach based on test cases dependencies for communication protocols. In ACM, editor, *RACS 2015 : The ACM Conference on Research in Adaptive and Convergent Systems*, pages 497–504, 2015.
- [146] A. J. F. Marroquín Piloña, D. Gonzalez, and S. Maag. Testing distributed systems with test cases dependencies architecture. In IEEE, editor, *LATINCOM 2015 : 7th Latin-American Conference on Communications*, pages 1–6, 2015.
- [147] A. J. F. Marroquín Piloña, J. Solares, and S. Maag. A distributed test case dependencies architecture : application to the SIP protocol. In IEEE Computer Society, editor, *LATINCOM 2017 : 9th IEEE Latin-American Conference on Communications Workshop*, Los Alamitos, 2017.
- [148] M. Morcos, T. Chahed, L. Chen, F. Martignon, and J. Elias. A two-level auction for C-RAN resource allocation. In IEEE Computer Society, editor, *ICC 2017 : IEEE International Conference on Communications Workshops*, pages 1–6, Los Alamitos, 2017.
- [149] P. Mouttappa, S. Maag, and A. R. Cavalli. Monitoring based on IOSTS for testing functional and security properties : application to an automotive case study. In IEEE, editor, *COMPSAC 2013 : 37th Annual International Computer Software & Applications Conference*, pages 1–10, 2013.
- [150] H. N. Nguyen and A. R. Cavalli. Formal verification of coordination systems' requirements : a case study on the European Train Control System. In *SEKE 2014 : 26th International Conference on Software Engineering and Knowledge Engineering*, pages 393–396, 2014.
- [151] H. N. Nguyen, F. Zaidi, and A. R. Cavalli. Effectively testing of timed composite systems using test case prioritization. In *SEKE 2016 : 28th International Conference on Software Engineering and Knowledge Engineering*, pages 1–6, 2016.
- [152] T. M. Nguyen, A. Mammar, R. Laleau, and S. Hameg. A tool for the generation of a secure access control filter. In IEEE Computer Society, editor, *RCIS 2016 : 10th International Conference on Research Challenges in Information Science*, pages 1–12, 2016.
- [153] G. Ouffoué, F. Zaidi, A. R. Cavalli, and M. Lallali. An attack-tolerant framework for web services. In IEEE Computer Society, editor, *SCC 2017 : 14th International Conference on Services Computing*, pages 503–506, Los Alamitos, 2017.
- [154] G. Ouffoué, F. Zaidi, A. R. Cavalli, and M. Lallali. How web services can be tolerant to intruders through diversification. In IEEE Computer Society, editor, *ICWS 2017 : 24th IEEE International Conference on Web Services*, pages 436–443, Los Alamitos, 2017.
- [155] G. Ouffoué, F. Zaidi, A. R. Cavalli, and M. Lallali. Model-based attack tolerance. In IEEE Computer Society, editor, *FINA 2017 : 13th International Symposium on Frontiers of Information Systems and Network Applications*, pages 68–73, Los Alamitos, 2017. Part of WAINA 2017.
- [156] S. Oztoprak, M. A. Aydin, and T. Atmaca. Energy-efficiency for heterogenous wireless networks by using hand-off approach. In IARIA XPS Press, editor, *AICT 2016 : 12th Advanced International Conference on Telecommunications*, pages 40–44, 2016.
- [157] M. Panda, T. Chahed, and E. Altman. Wireless multicast cost sharing game with a dynamic population. In IEEE, editor, *NetGCoop '12 : 6th International Conference on NETwork Games, COntrol and OPTimization*, pages 58–63, 2013.
- [158] I. Paudel, J. Pokhrel, B. Wehbi, B. Jouaber, and A. R. Cavalli. Estimation of video QoE from MAC parameters in wireless network : a Random Neural Network approach. In IEEE, editor, *ISCIT 2014 : 14th International Symposium on Communications and Information Technologies*, pages 51–55, 2014.
- [159] E. Petersen, M. A. To De Leon, and S. Maag. An online learning based approach for CEP rule generation. In IEEE Computer Society, editor, *LATINCOM 2016 : 8th IEEE Latin-American Conference on Communications*, pages 1–6, Los Alamitos, 2016.
- [160] E. Petersen, M. A. To De Leon, and S. Maag. A novel online CEP learning engine for MANET IDS. In IEEE Computer Society, editor, *LATINCOM 2017 : 9th IEEE Latin-American Conference on Communications*, pages 1–6, Los Alamitos, 2017.
- [161] T.-K.-Z. Pham, C. Dubois, and N. Levy. Une ligne de produits corrects par construction. In AFADL, editor, *AFADL 2017 : 6èmes journées des Approches Formelles dans l'Assistance au Développement de Logiciels*, pages 79–85, 2017.
- [162] J. Pokhrel, F. Lalanne Rojas, A. R. Cavalli, and W. Mallouli. QoE estimation for web service selection using a Fuzzy-Rough hybrid expert system. In IEEE, editor, *AINA 2014 : 28th IEEE International Conference on Advanced Information Networking and Applications*, pages 629–634, 2014.

- [163] J. Pokhrel, I. Paudel, B. Wehbi, B. Jouaber, and A. R. Cavalli. Performance evaluation of video transmission over 802.11n wireless network : a MAC layer perspective. In IEEE, editor, *SaCoNeT 2014 : 5th International Conference on Smart Communications in Network Technologies*, pages 1–6, 2014.
- [164] J. Pokhrel, B. Wehbi, M. Anderson, E. Allilaire, and A. R. Cavalli. Estimation of QoE of video traffic using a fuzzy expert system . In IEEE, editor, *CCNC '13 : The 10th Annual IEEE Consumer Communications and Networking Conference*, pages 224–229, 2013.
- [165] D. A. Rivera Villagra and A. R. Cavalli. QoE-driven service optimization aware of the business model. In IEEE, editor, *WAINA 2016 : 30th International Conference on Advanced Information Networking and Applications Workshops*, pages 725–730, 2016.
- [166] D. A. Rivera Villagra, A. R. Cavalli, N. Kushik, and W. Mallouli. An implementation of a QoE evaluation technique including business model parameters. In Scitepress, editor, *ICSOFT-PT 2016 : 11th International Conference on Software Paradigm Trends*, pages 138–145, 2016.
- [167] D. A. Rivera Villagra, N. Kushik, C. Fuenzalida Nunez, N. Yevtushenko, and A. R. Cavalli. QoE evaluation based on QoS and QoBiz parameters applied to an OTT service . In IEEE, editor, *ICWS 2015 : 22nd IEEE International Conference on Web Services*, pages 607–614, 2015.
- [168] O. R. Rodas Hernandez, J. Alvarez, G. Morales, and S. Maag. A novel classification-based hybrid IDS. In ASE, editor, *PASSAT 2014 : the 6th ASE International Conference on Privacy, Security, Risk and Trust*, 2014.
- [169] O. R. Rodas Hernandez, M. A. To De Leon, J. A. Alvarez Aldana, and S. Maag. Protecting Wireless Mesh Networks through a distributed intrusion prevention framework. In IEEE, editor, *LATINCOM 2015 : 7th Latin-American Conference on Communications*, pages 1–6, 2015.
- [170] F. E. Salem, Z. Altman, A. Gati, E. Altman, and T. Chahed. Reinforcement learning approach for Advanced Sleep Modes management in 5G networks. In IEEE Computer Society, editor, *VTC-FALL 2018 : 88th Vehicular Technology Conference*, Los Alamitos, 2018.
- [171] F. E. Salem, A. Gati, Z. Altman, and T. Chahed. Advanced sleep modes and their impact on flow-level performance of 5G networks. In IEEE Computer Society, editor, *VTC-FALL 2017 : 86th Vehicular Technology Conference*, pages 1–7, Los Alamitos, 2017.
- [172] E. Sibony, S. Clemenccon, and J. Jakubowicz. Multiresolution analysis of incomplete rankings with applications to prediction. In IEEE, editor, *BIGDATA 2014 : International Conference on Big Data*, pages 88–95, 2014.
- [173] E. Sibony, S. Clemenccon, and J. Jakubowicz. MRA-based statistical learning from incomplete rankings. In JMLR W&CP, editor, *ICML 2015 : 32nd International Conference on Machine Learning*, volume 37, pages 1432–1441, 2015.
- [174] S. Smolov, J. E. Lopez Coronado, N. Kushik, A. Kamkin, M. Chupilko, and N. Yevtushenko. Testing logic circuits at different abstraction levels : an experimental evaluation. In IEEE Computer Society, editor, *EWCTS 2016 : IEEE East-West Design & Test Symposium*, pages 1–4, Los Alamitos, 2016.
- [175] A. Sobehy, W. Ben-Ameur, H. Afifi, and A. Bradai. How to win elections. In Springer, editor, *COLLABORATECOM 2016 : 12th International Conference on Collaborative Computing : Networking, Applications and Worksharing*, pages 221–230, Cham, 2016. Lecture Notes of the Institute for Computer Sciences, Social Informatics and Telecommunications Engineering, vol 201.
- [176] A. Soua, W. Ben-Ameur, and H. Afifi. Beamforming-based broadcast scheme for multihop wireless networks with transmission range adjustment. In IEEE, editor, *WONS '13 : The 10th Annual Conference on Wireless On-Demand Network Systems and Services*, pages 107–109, 2013.
- [177] A. Sultan, M. Elkouki, H. Afifi, M. Marot, and V. Gauthier. A dynamic femto cell architecture using TV Whitespace improving user experience of urban crowds. In IEEE, editor, *IWCMC 2015 : 11th Wireless Communications and Mobile Computing Conference*, pages 886–891, 2015.
- [178] M. A. To De Leon, J. Alvarez, M. Cano, and S. Maag. Spanning data across heterogeneous MANETs through proactive strip interoperability. In IEEE, editor, *CIT 2015 : 15th IEEE International Conference on Computer and Information Technology*, pages 116–124, 2015.
- [179] M. A. To De Leon, G. Morales, and S. Maag. Strip interoperability for wireless Ad hoc routing protocols. In IEEE, editor, *NCA 2014 : 13th IEEE International Symposium on Network Computing and Applications*, pages 32–36, 2014.
- [180] M. A. To De Leon, O. R. Rodas Hernandez, P. Biba, and S. Maag. A proactive approach for strip interoperability in wireless Ad hoc routing protocols. In IEEE, editor, *LATINCOM 2015 : 7th Latin-American Conference on Communications*, pages 1–6, 2015.
- [181] K. Toumi, W. Mallouli, E. Montes De Oca, A. R. Cavalli, and C. Andrés. How to evaluate trust using MMT. In Springer, editor, *NSS 2014 : 8th International Conference on Network and System Security*, volume 8792, pages 484–492, 2014.

- [182] S. Tueno, M. Frappier, R. Laleau, M. Leuschel, and A. Mammar. Formalisation of SysML/KAOS goal assignments with B system component decompositions. In *IFM 2018 : 14th International Conference on Integrated Formal Methods*, pages 1–20, 2018.
- [183] S. Tueno, M. Frappier, R. Laleau, and A. Mammar. Modeling the hybrid ERTMS/ETCS level 3 standard using a formal requirements engineering approach. In Springer, editor, *ABZ 2018 : 6th International ABZ Conference on Abstract State Machines, Alloy, B, TLA, VDM and Z*, pages 262–276, Cham, 2018. Lecture Notes in Computer Science, vol. 10817.
- [184] S. Tueno, R. Laleau, A. Mammar, and M. Frappier. Towards using ontologies for domain modeling within the SysML/KAOS approach. In IEEE Computer Society, editor, *REW 2017 : IEEE 25th International Requirements Engineering Conference Workshops*, pages 1–5, Los Alamitos, 2017.
- [185] S. Tueno, A. Mammar, R. Laleau, and M. Frappier. Event-B expression and verification of translation rules between SysML/KAOS domain models and B system specifications. In Springer, editor, *ABZ 2018 : 6th International ABZ Conference on Abstract State Machines, Alloy, B, TLA, VDM and Z*, pages 55–70, Cham, 2018. Lecture Notes in Computer Science, vol. 10817.
- [186] Ö. C. Turna, M. A. Aydin, and T. Atmaca. A dynamic energy efficient optical line terminal design for optical access network . In Springer-Verlag, editor, *CN 2015 : 22nd International Conference on Computer Networks*, volume 522, pages 260–269, 2015.
- [187] S. Ustebay, M. A. Aydin, A. Sertbas, and T. Atmaca. A comparative analysis of N-Nearest Neighbors (N3) and Binned Nearest Neighbors (BNN) algorithms for indoor localization. In Springer, editor, *CN 2017 : 24th international conference on Computer Networks*, pages 81–90, Cham, 2017.
- [188] S. Ustebay, Z. Yiner, M. A. Aydin, T. Atmaca, and A. Sertbas. An approach for evaluating performance of magnetic-field based indoor positioning system : neural network. In Springer, editor, *CN 2017 : 24th international conference on Computer Networks*, pages 412–421, Cham, 2017.
- [189] H. L. Vinh and A. R. Cavalli. A comparative evaluation of two intrusion-tolerant routing protocols for Wireless Sensor Networks. In IEEE, editor, *BWCCA 2015 : 10th International Conference on Broadband and Wireless Computing, Communication and Applications*, pages 6–12, 2015.
- [190] H. L. Vinh and A. R. Cavalli. A misbehavior node detection algorithm for 6LoWPAN Wireless Sensor Networks. In IEEE, editor, *STAM 2016 : 2nd IEEE International Workshop on Security Testing And Monitoring*, pages 49–54, 2016. Co-located with IEEE ICDCS 2016, Nara, Japan.
- [191] H. L. Vinh, R. A. Fuentes Samaniego, and A. R. Cavalli. A novel monitoring solution for 6LoWPAN-based Wireless Sensor Networks. In IEEE, editor, *APCC 2016 : 22nd Asia-Pacific Conference on Communications*, pages 230–237, 2016.
- [192] H. L. Vinh, R. A. Fuentes Samaniego, and A. R. Cavalli. Network monitoring using MMT : an application based on the user-agent field in HTTP headers. In IEEE, editor, *AINA 2016 : 30th International Conference on Advanced Information Networking and Applications*, pages 147–154, 2016.
- [193] J. Visca, J. E. Baliosian, R. A. Fuentes Samaniego, and A. R. Cavalli. Path sampling : a robust alternative to gossiping for opportunistic network routing. In IEEE, editor, *WIMOB 2016 : 12th IEEE International Conference on Wireless and Mobile Computing, Networking and Communications*, pages 1–8, 2016.
- [194] J. Visca, R. A. Fuentes Samaniego, A. R. Cavalli, and J. E. Baliosian. Opportunistic media sharing for mobile networks. In IEEE Computer Society, editor, *NOMS 2016 : IEEE/IFIP Network Operations and Management Symposium*, pages 799–803, 2016.
- [195] H.-E. Wang, K.-H. Tu, J.-H. R. Jiang, and N. Kushik. Homing sequence derivation with quantified boolean satisfiability. In Springer, editor, *ICTSS 2017 : IFIP International Conference on Testing Software and Systems*, pages 230–242, Cham, 2017.
- [196] D. Watel, M.-A. Weisser, and D. Barth. Parameterized complexity and approximability of coverability problems in weighted Petri nets. In Springer, editor, *PETRI NETS 2017 : International Conference on Applications and Theory of Petri Nets and Concurrency*, pages 330–349, Cham, 2017. Lecture Notes in Computer Science, vol 10258.
- [197] H. Yenigun, N. Kushik, J. Lopez, A. R. Cavalli, and N. Yevtushenko. Decreasing the complexity of deriving test suites against nondeterministic Finite State Machines. In IEEE Computer Society, editor, *EWDTS 2017 : 15th IEEE East-West Design & Test Symposium*, pages 1–4, Los Alamitos, 2017.
- [198] H. Yenigun, N. Yevtushenko, and N. Kushik. Some classes of Finite State Machines with polynomial length of distinguishing test cases. In ACM, editor, *SAC 2016 : 31st ACM Symposium on Applied Computing*, pages 1680–1685, New York, 2016.
- [199] W. Yoro, T. Chahed, M. El Tabach, A. Gati, and T. En-Najjary. Sharing of energy among service categories in wireless access networks using Shapley value. In IEEE, editor, *IWCMC 2016 : 12th International Wireless Communication and Mobile Computing Conference*, pages 422–429, 2016.

- [200] W. Yoro, M. El Tabach, T. En-Najjary, T. Chahed, and A. Gati. Energy-efficiency-aware upgrade of network capacity. In IEEE Computer Society, editor, *WCNC 2017 : Wireless Communications and Networking Conference*, pages 1–6, Los Alamitos, 2017.
- [201] W. Yoro, M. El Tabach, T. En-Najjary, T. Chahed, and A. Gati. Energy efficiency of a network per service. In IEEE Computer Society, editor, *WiOPT 2017 : 15th International Symposium on Modeling and Optimization in Mobile, Ad Hoc, and Wireless Networks*, pages 1–5, Los Alamitos, 2017.
- [202] W. Yoro, M. El Tabach, T. En-Najjary, T. Chahed, and A. Gati. Energy efficiency of a network equipment per service category. In *ICC 2018 : IEEE International Conference on Communications*, 2018.
- [203] W. Yoro, M. El Tabach, T. En-Najjary, T. Chahed, and A. Gati. Sharing the network end-to-end energy consumption among service categories. In IEEE Computer Society, editor, *VTC-Spring 2018 : 87th Vehicular Technology Conference*, 2018.
- [204] A. Zaytsev, M. Trigub, N. Kushik, T. Evtushenko, and N. Yevtushenko. Self-adaptive models for laser monitor image processing. In IEEE Computer Society, editor, *EDM 2016 : 17th International Conference of Young Specialists on Micro/Nanotechnologies and Electron Devices*, pages 300–303, Los Alamitos, 2016.
- [205] M.-A. Zemni, N. Ben Hadj Alouane, and A. Mammar. Process decomposition based on semantics and privacy-aware requirements-driven approach. In ACM, editor, *IWAS 2013 : 15 th International Conference on Information Integration and Web-based Applications & Services*, pages 654–657, New York, 2013.
- [206] M.-A. Zemni, N. Ben Hadj Alouane, and A. Mammar. Business process fragments behavioral merge. In Springer-Verlag, editor, *COOPIS 2014 : International Conference on Cooperative Information Systems*, volume 8841, pages 112–129, Berlin Heidelberg, 2014.
- [207] M.-A. Zemni, A. Mammar, and N. Ben Hadj Alouane. A behavior-aware systematic approach for merging business process fragments. In IEEE, editor, *ICECCS 2014 : 19th International Conference on Engineering of Complex Computer Systems*, pages 194–197, 2014.
- [208] M.-A. Zemni, A. Mammar, and N. Ben Hadj Alouane. Formal approach for generating privacy preserving user requirements-based business process fragments. In Australian Computer Society, editor, *ACSC 2014 : 37th Australasian Computer Science Conference*, pages 89–98, Darlinghurst, 2014.

Livres et chapitres de livres

- [1] A. Ali, L. Sassetelli, T. Chahed, and E. Altman. *Reliable transport in delay tolerant networks*, chapter Routing in opportunistic networks, pages 251–287. Springer, New-York;Heidelberg;Dordrecht [etc.], 2013.
- [2] X. Che, J. Lopez, and S. Maag. *Online testing : a passive approach for protocols*, volume 551 of *Communications in Computer and Information Science*, chapter Evaluation of novel approaches to software engineering : 9th international conference, ENASE 2014, Lisbon, Portugal, April 28-30, 2014 : revised selected papers, pages 79–92. Springer international publishing, Cham, 2015.
- [3] A. Cuadra-Sánchez, M. D. M. Cutanda-Rodriguez, A. Aurelius, J. E. López De Vergara, L. Jukka-Pekka, A. R. Cavalli, B. Augustin, I. Perez-Mateos, A. Mellouk, A. Morais, M. Varela, and K. Brunnström. *An ecosystem for customer experience management*, chapter Quality of experience engineering for customer added value services : from evaluation to monitoring, pages 1–256. ISTE. Wiley, Hoboken, 2014.
- [4] J.-M. Mota, E. Dmitrieva, A. Mammar, N. Breton, P. Raymond, S. Behnia, and P. Caspi. *Safety demonstration for a rail signaling application in nominal and degraded modes using formal proof*, chapter Formal methods applied to complex systems, pages 71–113. Computer Engineering Series. ISTE-Wiley, London, Hoboken, 2014.
- [5] P. Mouttappa, S. Maag, and A. R. Cavalli. *Symbolic-based monitoring for embedded applications*, chapter Handbook of research on embedded systems design, pages 52–74. Advances in Systems Analysis, Software Engineering, and High Performance Computing book series. IGI Global, Hershey, 2014.
- [6] J. Pokhrel, N. Kushik, B. Wehbi, A. R. Cavalli, and N. Yevtushenko. *Multimedia Quality of Experience*, chapter Emerging research on networked multimedia communication systems, pages 250–284. Advances in multimedia and interactive technologies book series. Information Science Reference, Hershey, PA, 2015.

R3S

Journaux

- [1] R. Agarwal, **V. Gauthier**, M. Becker, **H. Afifi**, and T. Toukabri Gunes. Large scale model for information dissemination with device to device communication using call details records. *Computer communications*, 59:1–11, Mar 2015.

- [2] E. Ahvar, S. Ahvar, G. M. Lee, and **N. Crespi**. An energy-aware routing protocol for query-based applications in wireless sensor networks. *The Scientific World journal*, 2014:1–9, Feb 2014.
- [3] E. Ahvar, N. Daneshgar Moghaddam, A. M. Ortiz, **N. Crespi**, and G. M. Lee. On Analyzing User Location Discovery Methods in Smart Homes : A Taxonomy and Survey. *Journal of network and computer applications*, Dec 2016.
- [4] E. Ahvar, G. M. Lee, S. Han, I. Khan, and **N. Crespi**. Sensor network-based and user-friendly user location discovery for future smart homes. *Sensors*, 16(7):969–1–969–17, Jun 2016.
- [5] E. Ahvar, G. M. Lee, **N. Crespi**, and S. Ahvar. RER : a Real time Energy efficient Routing protocol for query-based applications in wireless sensor networks. *Telecommunication systems*, 61(1):107–121, Jan 2016.
- [6] M. Alimam, E. Bertin, and **N. Crespi**. ITIL perspective on enterprise social media. *International journal of information management*, 37(4):317–326, Aug 2017.
- [7] B. Alinia, M. Hajiesmaili, A. Khonsari, and **N. Crespi**. Maximum-Quality Tree Construction for Deadline-Constrained Aggregation in WSNs. *Sensors*, 2017.
- [8] F. Asgari, A. Sultan, H Xiong, M. El Yacoubi, and **V. Gauthier**. CT-Mapper : mapping sparse multimodal cellular trajectories using a multilayer transportation network. *Computer communications*, 95:69–81, Dec 2016.
- [9] M. R. Bahloul, M. Z. Yusoff, A.-H. Abdel-Aty, **A. Laouiti**, and M. N. Mohamad Saad. Efficient and reliable modulation classification for MIMO systems. *Arabian journal for science and engineering*, 42(12):5201–5209, Dec 2017.
- [10] X. Bai, N. Gao, **Z. Zhang**, and D. Zhang. 3d palmprint identification combining blocked ST and PCA. *Pattern Recognition Letters*, 100:89–95, 2017.
- [11] M. Barbeau, G. Cervera, **J. Garcia-Alfaro**, and E. Kranakis. Channel selection using a multiple radio model. *Journal of network and computer applications*, 64(C):113–123, Apr 2016.
- [12] S. Belguith, N. Kaaniche, **M. Laurent**, R. Attia, and A. Jemai. PHOABE : Securely Outsourcing Multi-authority Attribute Based Encryption with Policy Hidden for Cloud Assisted IoT. *Computer networks - The international journal of computer and telecommunications networking*, 133, Mar 2018.
- [13] M. V. Beltran Martinez, E. Bertin, and **N. Crespi**. User identity for WebRTC services : a matter of trust. *IEEE internet computing*, 18(6):18–25, Nov 2014.
- [14] Y. Ben Said, A. Olivereau, **D. Zeghlache**, and **M. Laurent**. Trust management system design for the Internet of Things : a context-aware and multi- service approach. *Computers & Security*, 39(Part B):351–365, Nov 2013.
- [15] Y. Ben Said, A. Olivereau, **D. Zeghlache**, and **M. Laurent**. A survey of collaborative services and security-related issues in modern wireless Ad-Hoc communications. *Journal of network and computer applications*, 45:215–227, Oct 2014.
- [16] Y. Ben Said, A. Olivereau, **D. Zeghlache**, and **M. Laurent**. Lightweight collaborative key establishment scheme for the Internet of Things. *Computer networks - The international journal of computer and telecommunications networking*, 64:273–295, May 2014.
- [17] A. Berri, N. Kushik, and **D. Zeghlache**. On using finite state models for optimizing and testing SDN controller components. *Russian physics journal*, 59(8/2):5–7, Sep 2016.
- [18] J. Bou Abdo, T. Bourgeau, J. Demerjian, and **H. Chaouchi**. Extended privacy in crowdsourced location-based services using mobile cloud computing. *Mobile information systems*, 2016:7867206–1–7867206–13, 2016.
- [19] Q. Cao Huu, G. Madhusudan, R. Farahbakhsh, and **N. Crespi**. Policy-based usage control for atrustworthy data sharing platform in smart cities. *Future generation computer systems (FGCS)*, pages 1–13, 2018.
- [20] S. Castillo-Perez and **J. Garcia-Alfaro**. Onion routing circuit construction via latency graphs. *Computers & Security*, 37:197–214, Sep 2013.
- [21] G. Cervera, M. Barbeau, **J. Garcia-Alfaro**, and E. Kranakis. A multipath routing strategy to prevent flooding disruption attacks in link state routing protocols for MANETs. *Journal of network and computer applications*, 36(2):744–755, Mar 2013.
- [22] Y. Chen, G. M. Lee, L. Shu, and **N. Crespi**. Industrial Internet of Things-based collaborative sensing intelligence : framework and research challenges. *Sensors*, 16(215):1–19, Feb 2016.
- [23] Y. Chen, **N. Crespi**, A. M. Ortiz, and L. Shu. Reality mining : a prediction algorithm for disease dynamics based on mobile big data. *Information sciences*, 379:82–93, Feb 2017.
- [24] Y. Chen, **N. Crespi**, and P. Siano. eRouting : an eco-friendly navigation algorithm for traffic information industry. *IEEE transactions on industrial informatics*, 13(2):562–571, Apr 2017.
- [25] Y. Chen, L. Shu, A. M. Ortiz, L. Lv, and **N. Crespi**. Locating in crowdsourcing-based dataSpace : wireless indoor localization without special devices. *Mobile Networks & Applications*, 19(4):534–542, Aug 2014.

- [26] B. Chihani, E. Bertin, and **N. Crespi**. Programmable context awareness framework. *Journal of systems and software*, 92:59–70, Jun 2014.
- [27] A. Cuevas Rumin, M. Uruena Pascual, R. Cuevas Rumin, and **N. Crespi**. Reduced overhead for intra-cluster and inter-cluster sensor-to-actor communications in IEEE 802.15.4 networks. *International journal of ad hoc and ubiquitous computing (IJAHC)*, 14(4):215–225, Jan 2013.
- [28] A. Cuevas Rumin, M. Uruena Pascual, G. De Veciana, **N. Crespi**, and R. Cuevas Rumin. Dynamic data-centric storage for long-term storage in wireless sensor and actor networks. *Wireless networks*, 20(1):141–153, Jan 2014.
- [29] F. Cuppens, N. Cappens-Boulahia, E. Damiani, **J. Garcia-Alfaro**, N. Tawbi, and R. State. SETOP’2012 and FPS’2012 special issue. *Journal of information security and applications*, 18(1):1–96, Jul 2013.
- [30] M. T. Diallo, F. Fieau, and **H. Afifi**. Big data for cloud based video adaptation. *IEEE communications letters*, Multimedia communications technical committee(Vol. 9 , No. 6 ,):48–51, Nov 2014.
- [31] M. T. Diallo, M. Hassnaa, **H. Afifi**, and N. Marechal. Adaptation of audiovisual contents and their delivery means. *Communications of the ACM*, 56(11):86–93, Nov 2013.
- [32] M. T. Diallo, H. Moustafa, **H. Afifi**, and N. Marechal. Context aware quality of experience for audio-visual service groups. *IEEE communications letters*, 8(2):9–11, Mar 2013.
- [33] M. Dieye, S. Ahvar, J. Sahoo, R. Glitho, **N. Crespi**, H. Elbiaze, and E. Ahvar. CPVNF:Cost-efficient Proactive VNF Placement and Chaining for Value-Added Services in Content Delivery Networks. *IEEE transactions on network and service management*, 15(2):774–786, Mar 2018.
- [34] A. El Husseini, **A. M'hamed**, B. El-Hassan, and M. Mokhtari. Trust-based authentication scheme with user rating for low-resource devices in smart environments. *Personal and Ubiquitous Computing*, 17(5):1013–1023, 2013.
- [35] I. Fakhfakh, H. Zhang, and **M. Girod-Genet**. A P2P platform for collaborative aggregated multimedia sharing. *Communications and Network*, 5(3C):529–543, Sep 2013.
- [36] R. Farahbakhsh, A. Cuevas Rumin, and **N. Crespi**. Characterization of cross-posting activity for professional users across Facebook, Twitter and Google+. *Social network analysis and mining*, 6(1, article 33), Dec 2016.
- [37] R. Farahbakhsh, A. Cuevas Rumin, A. M. Ortiz, **N. Crespi**, and X. Han. How far is Facebook from me ? Facebook network infrastructure analysis. *IEEE communications magazine*, 53(9):134–142, Sep 2015.
- [38] R. Farahbakhsh, **N. Crespi**, A. Cuevas Rumin, R. Gonzalez Sanchez, and R. Cuevas Rumin. Understanding the evolution of multimedia content in the Internet through BitTorrent glasses. *IEEE network*, 27(6):80–88, Nov 2013.
- [39] N. Gensollen, **V. Gauthier**, M. Becker, and **M. Marot**. Stability and performance of coalitions of prosumers through diversification in the smart grid. *IEEE transactions on smart grid*, pages 1–8, May 2016.
- [40] J. Ghimire, M. Mani, **N. Crespi**, and T. Sanguankotchakorn. Delay and capacity analysis of structured P2P overlay for lookup service. *Telecommunication systems*, 58(1):33–54, Jan 2015.
- [41] G. Giambene, V. A. Le, T. Bourreau, and **H. Chaouchi**. Iterative multi-level soft frequency reuse with load balancing for heterogeneous LTE-A systems. *IEEE transactions on wireless communications*, 16(2):924–938, Feb 2017.
- [42] G. Gonzalez Granadillo, S. Dubus, A. Motzek, **J. Garcia-Alfaro**, E.Y. Alvarez Lopez, M. Merialdo, S. Papillon, and **H. Debar**. Dynamic risk management response system to handle cyber threats. *Future generation computer systems (FGCS)*, 83, June 2018.
- [43] G. D. Gonzalez Granadillo, M. Belhaouane, **H. Debar**, and G. Jacob. RORI-based countermeasure selection using the OrBAC formalism. *International journal of information security*, 13(1):63–79, Feb 2014.
- [44] G. D. Gonzalez Granadillo, S. Dubus, A. Motzek, E. Y. Alvarez Lopez, S. Papillon, **H. Debar**, M. Merialdo, and **J. Garcia-Alfaro**. Dynamic risk management response system to handle cyber threats. *Future generation computer systems (FGCS)*, pages 1–18, 2017.
- [45] G. D. Gonzalez Granadillo, **J. Garcia-Alfaro**, E. Y. Alvarez Lopez, **H. Debar**, and M. El Barbori. Selecting optimal countermeasures for attacks against critical systems using the attack volume model and the RORI index. *Computers & Electrical Engineering*, 47:13–34, Oct 2015.
- [46] G. D. Gonzalez Granadillo, **J. Garcia-Alfaro**, and **H. Debar**. A polytope-based approach to measure the impact of events against critical infrastructures. *Journal of computer and system sciences*, 83(1):3–21, Feb 2017.
- [47] G. D. Gonzalez Granadillo, J. Rubio-Hernan, and **J. Garcia-Alfaro**. Using an event data taxonomy to represent the impact of cyber events as geometrical instances. *IEEE access*, 6:8810–8828, 2018.
- [48] M. Hadded, P. Muhlethaler, **A. Laouiti**, L. Azouz Saidane, and R. Zagrouba. TDMA-based MAC protocols for Vehicular Ad Hoc Networks : a survey, qualitative analysis and open research issues. *IEEE communications surveys and tutorials*, 17(4):2461–2492, Jun 2015.

- [49] M. Hadded, R. Zagrouba, **A. Laouiti**, L. Azouz Saidane, and P. Muhlethaler. An adaptive TDMA slot assignment strategy for Vehicular Ad hoc Networks. *Journal of Machine to Machine Communications*, 1(2):175–194, May 2014.
- [50] M. Hadji and **D. Zeghlache**. Mathematical programming approach for revenue maximization in cloud federations. *IEEE transactions on cloud computing*, 5(1):99–111, Jan 2017.
- [51] M. Hadji, **M. Girod-Genet**, and **H. Afifi**. A game theory approach with dynamic pricing to optimize smart grid operation. *International Journal of Smart Grid and Clean Energy (IJSGCE)*, 4(3):186–198, 2015.
- [52] N. S. Han, G. M. Lee, and **N. Crespi**. Semantic context-aware service composition for building automation system. *IEEE transactions on industrial informatics*, 10(1):752–761, Feb 2014.
- [53] N. S. Han, G. M. Lee, **N. Crespi**, K. Heo, P. Gatellier, M. Brut, and N. Van Luong. DPWSim : a Devices Profile for Web Services (DPWS) Simulator. *IEEE internet of things journal*, 2(3):221–229, Jun 2015.
- [54] N. S. Han, S. Park, G. M. Lee, and **N. Crespi**. Extending the Devices Profile for Web Services (DPWS) standard using a REST proxy. *IEEE internet computing*, 19(1):10–17, Jan 2015.
- [55] S. Han, I. Khan, G. M. Lee, R. Glitho, and **N. Crespi**. Service composition for IP smart object using realtime Web protocols : concept and research challenges. *Computer standards & interfaces*, 43:79–90, Jan 2016.
- [56] S. Han and **N. Crespi**. Semantic service provisioning for smart objects : integrating IoT applications into the web. *Future generation computer systems (FGCS)*, 76:180–197, Nov 2017.
- [57] X. Han, A. Cuevas Rumin, **N. Crespi**, X. Huang, and R. Cuevas Rumin. On exploiting social relationship and personal background for content discovery in P2P networks. *Future generation computer systems (FGCS)*, 40:17–29, Nov 2014.
- [58] X. Han, L. Wang, R. Farahbakhsh, R. and Cuevas Rumin, L. He, **N. Crespi**, and A. Cuevas Rumin. CSD : a multi-user similarity metric for community recommendation in online social networks. *Expert systems with applications*, 53:14–26, Jul 2016.
- [59] X. Han, L. Wang, **N. Crespi**, A. Cuevas Rumin, and S. Park. Alike people, alike interests ? Inferring interest similarity in online social networks. *Decision support systems*, 69:92–106, Jan 2015.
- [60] A. F. Hanif, H. Tembine, M. Assaad, and **D. Zeghlache**. Mean-Field games for resource sharing in cloud based networks. *IEEE-ACM transactions on networking*, 24(1):624–637, Feb 2016.
- [61] H. Hashem and **D. Ranc**. An integrative modeling of BigData processing. *International Journal of Computer Science and Applications*, 12(1):1–15, Jan 2015.
- [62] H. Hashem and **D. Ranc**. Pre-processing and modeling tools for BigData. *Foundations of computing and decision sciences*, 41(3):151–162, Sep 2016.
- [63] H. Hasrouny, A. Samhat, C. Bassil, and **A. Laouiti**. VANet security challenges and solutions : a survey. *Vehicular communications*, 7:7–20, Jan 2017.
- [64] O. Hoceini and **H. Afifi**. A New Key Management and Authentication Architecture for ZigBee Networks (KAAZ). *CHIMERA : Romance Corpora and Linguistic Studies*, Jul 2017.
- [65] F. Hrizi and **A. Laouiti**. Scalable and adaptive overlay for efficient forwarding in volunteer clouds . *International journal of space-based and situated computing*, 2017.
- [66] H. Hu, R. Lu, C. Huang, and **Z. Zhang**. Tripsense : A trust-based vehicular platoon crowdsensing scheme with privacy preservation in vanets. *Sensors*, 16(6):803, 2016.
- [67] H. Hu, R. Lu, C. Huang, and **Z. Zhang**. PTRS : A privacy-preserving trust-based relay selection scheme in vanets. *Peer-to-Peer Networking and Applications*, 10(5):1204–1218, 2017.
- [68] H. Hu, R. Lu, and **Z. Zhang**. TPSQ : trust-based platoon service query via vehicular communications. *Peer-to-Peer Networking and Applications*, 10(1):262–277, 2017.
- [69] H. Hu, R. Lu, **Z. Zhang**, and J. Shao. REPLACE : A reliable trust-based platoon service recommendation scheme in VANET. *IEEE Trans. Vehicular Technology*, 66(2):1786–1797, 2017.
- [70] S. Huang, Y. Liu, N. Gao, F. Gao, X. Jiang, and **Z. Zhang**. Distance Calibration between Reference Plane and Screen in Direct Phase Measuring Deflectometry. *Sensors*, (144), Jan 2018.
- [71] D. Hussein, S.N. Han, G.M. Lee, **N. Crespi**, and E. Bertin. Towards a dynamic discovery of smart services in the social internet of things. *Computers & Electrical Engineering*, 2017.
- [72] D. Hussein Ali, S. Han, G. M. Lee, and **N. Crespi**. Social cloud-based cognitive reasoning for task-oriented recommendation. *IEEE cloud computing*, 2(6):10–19, Nov 2015.
- [73] D. Hussein Ali, S. Park, N. S. Han, and **N. Crespi**. Dynamic Social Structure of Things : a contextual approach in CPSS. *IEEE internet computing*, 19(3):12–20, May 2015.

- [74] H. Ibn-Khedher, E. Abd-Elrahman, A. E. Kamal, and **H. Afifi**. OPAC : an optimal placement algorithm for virtual CDN. *Computer Networks*, 120:12–27, 2017.
- [75] I. T. Javed, R. Copeland, **N. Crespi**, A. Corici, T. Zhang, F. Beierle, A. Kupper, J.-M. Crom, I. Friese, R. J. F. Lopes Pereira, R. Chaves, N. Santos, G. Dias, A. Caldeira, F. Oberle, K. Corre, S. Göndör, S. El Jaouhari, A. Bouabdallah, and M. Emmelmann. Cross-domain identity and discovery framework for web calling services. *Annales des télécommunications- Annals of telecommunications*, 72(7-8):459–468, Aug 2017.
- [76] I. T. Javed, K. Toumi, and **N. Crespi**. TrustCall : a trust computation model for web conversational services. *IEEE access*, 5:24376–24388, Oct 2017. Open access.
- [77] **J. Garcia-Alfaro**, F. Cuppens, N. Cuppens-Boulahia, J. Cabot, and S. Martinez. Management of stateful firewall misconfiguration. *Computers & Security*, 39(Part A):64–85, Nov 2013.
- [78] **J. Garcia-Alfaro**, J. Herrera-Joancomartí, and J. Melia-Segui. Remarks on Peinado et al.’s analysis of J3Gen. *Sensors*, 15(3):6217–6220, Mar 2015.
- [79] **J. Garcia-Alfaro**, F. Longo, and G. Martinez-Perez. Introduction to the special section on critical systems modelling and security. *Computers & Electrical Engineering*, 47:255–257, Oct 2015.
- [80] N. Kaaniche and **M. Laurent**. Data security and privacy preservation in cloud storage environments based on cryptographic mechanisms. *Computer communications*, 111:120–141, Oct 2017.
- [81] I. Khan, F. Belqasmi, R. Glitho, M. Morrow, P. Polakos, and **N. Crespi**. Wireless sensor network virtualization : early architecture and research perspectives . *IEEE network*, 29(3):104–112, May 2015.
- [82] I. Khan, F. Belqasmi, R. Glitho, M. Morrow, P. Polakos, and **N. Crespi**. Wireless sensor network virtualization : a survey. *IEEE communications surveys and tutorials*, 18(1):553–576, Jan 2016.
- [83] S. Khebbache, M. Hadji, and **D. Zeghlache**. Virtualized network functions chaining and routing algorithms. *Computer networks - The international journal of computer and telecommunications networking*, 114:95–110, Feb 2017.
- [84] I. Khoufi, S. Mahfoudh, P. Minet, and **A. Laouiti**. Data gathering architecture for temporary worksites based on a uniform deployment of wireless sensors . *International journal of sensor networks*, 18(1-2):3–21, Jun 2015.
- [85] I. Khoufi, P. Minet, **A. Laouiti**, and S. Mahfoudh. Survey of deployment algorithms in wireless sensor networks : coverage and connectivity issues and challenges. *International journal of autonomous and adaptive communications systems*, 10(4):341–390, Dec 2017.
- [86] P. Kirci and **H. Chaouchi**. Recursive and ad hoc routing based localization in wireless sensor networks. *Computer standards & interfaces*, 44:258–263, Feb 2016.
- [87] N. Laga, E. Bertin, **N. Crespi**, B. Molina, Z. Zhao, and I. Bedini. A flexible service selection for executing virtual services. *World wide web*, 16(3):219–245, May 2013.
- [88] K. U. R. Laghari, T. H. Falk, M. Hyder, C. Hoene, **N. Crespi**, and M. Haun. An investigation into the relationship between perceived quality-of-experience and virtual acoustic environments : the case of 3D audio telephony. *Journal of Universal Computer Science*, 19(12):1718–1735, 2013.
- [89] T. A. Le and **H. Nguyen**. End-to-end transmission of scalable video contents : performance evaluation over EvalSVC - a new open-source evaluation platform. *Multimedia tools and applications*, 72(1):1239–1256, Sep 2014.
- [90] T. A. Le and **H. Nguyen**. Human perception-based distributed architecture for scalable video conferencing services : theoretical models and performance. *Annales des télécommunications- Annals of telecommunications*, 69(1):111–121, Feb 2014.
- [91] T. A. Le, **H. Nguyen**, and **N. Crespi**. IMS-based distributed multimedia conferencing services for Next Generation Mobile Networks. *EURASIP journal on wireless communications and networking*, 2013:170:1–17, Dec 2013.
- [92] T. A. Le, **H. Nguyen**, and M. C. Nguyen. Application-network cross layer multi-variable cost function for application layer multicast of multimedia delivery over convergent networks. *Wireless networks*, 21(8):2677–2692, Nov 2015.
- [93] L. Li, J. Liu, L. Cheng, W. Wang, **Z. Zhang**, X. Zhang, and S. Qiu. CreditCoin : A Privacy-Preserving Blockchain-Based Incentive Announcement Network for Communications of Smart Vehicles. *IEEE intelligent systems*, pages 2204–2220, Jan 2018.
- [94] X. Liu, S. Huang, **Z. Zhang**, F. Gao, and X. Jiang. Full-field calibration of color camera chromatic aberration using absolute phase maps. *Sensors*, 17(5):1048, 2017.
- [95] Y. Liu, C. Zuo, **Z. Zhang**, X. Xinshun, and G. Shanqing. An automatically vetting mechanism for SSL error-handling vulnerability in android hybrid Web apps. *World wide web*, 21:127–150, Jan 2018.
- [96] W. Louati, W. Ben-Ameur, and **D. Zeghlache**. A bottleneck-free tree-based name resolution system for Information-Centric Networking. *Computer networks - The international journal of computer and telecommunications networking*, 91:341–355, Nov 2015.

- [97] I. Louati-Houidi, W. Louati, and **D. Zeghlache**. Exact multi-objective virtual network embedding in cloud environments. *The computer journal*, 58(3):403–415, Mar 2015.
- [98] A. Manzalini and **N. Crespi**. An edge operating system enabling anything-as-a-service . *IEEE communications magazine*, 54(3):62–67, Mar 2016.
- [99] M. Mechtri, C. Ghribi, and **D. Zeghlache**. A scalable algorithm for the placement of service function chains. *IEEE transactions on network and service management*, 13(3):533–546, Sep 2016.
- [100] M. Mechtri, C. Ghribi, O. Soualah, and **D. Zeghlache**. NFV orchestration framework addressing SFC challenges. *IEEE communications magazine*, 55(6):16–23, Jun 2017.
- [101] M. Mechtri, M. Hadji, and **D. Zeghlache**. Exact and heuristic resource mapping algorithms for distributed and hybrid clouds. *IEEE transactions on cloud computing*, 5(4):681–696, Oct 2017.
- [102] J. Melia-Segui, **J. Garcia-Alfaro**, and J. Herrera-Joancomarti. J3Gen : a PRNG for low-cost passive RFID. *Sensors*, 13(3):3816–3830, Mar 2013.
- [103] J. Melia-Segui, **J. Garcia-Alfaro**, and J. Herrera-Joancomarti. On the similarity of commercial EPC Gen2 pseudo-random number generators. *Transactions on emerging telecommunications technologies*, 25(2):151–154, Feb 2014.
- [104] D. Migault, T. Guggemos, S. Killian, G. Pujolle, J.-P. Wary, and **M. Laurent**. Diet-ESP : IP layer security for IoT. *Journal of computer security*, 25(2):173–203, May 2017.
- [105] **M. Marot**, A. M. Said, and **H. Afifi**. On the maximal shortest path in a connected component in V2V. *Performance evaluation*, 94:25–42, Dec 2015.
- [106] W. Montgomery, **N. Crespi**, and E. Bertin. ICIN 2016 : innovations in clouds, internet, and networks. *IEEE communications magazine*, 54(8):8–8, Aug 2016.
- [107] A. Motzek, G. D. Gonzalez Granadillo, **H. Debar**, R. Moller, and **Garcia-J. Alfaro**. Selection of Pareto-efficient response plans based on financial and operational assessments. *EURASIP journal on information security*, 2017(12):1–22, Dec 2017.
- [108] L. Nachabe Ismail, **M. Girod-Genet**, and B. El Hassan. Unified data model for Wireless Sensor Network. *IEEE Sensors Journal*, 15(7):3657–3667, 2015.
- [109] L. Nachabe Ismail, **M. Girod-Genet**, and B. El Hassan. Semantic techniques for IoT data and service management : on to Smart System. *International journal of wireless & mobile networks (IJWMN)*, 8(4):43–63, Aug 2016.
- [110] L. Nachabe Ismail, **M. Girod-Genet**, B. El Hassan, and H. Salloum. Semantic Smart Home System : OntoSmart to monitor and Assist habitant. *International Journal of Computers and Communications*, 10(16):78–86, 2016.
- [111] A. Naeem, R. Mubashir Husain, Y. Saleem, **N. Crespi**, and I. Rashid. Network coding in cognitive radio networks : a comprehensive survey. *IEEE communications surveys and tutorials*, 19(3):1945–1973, Jan 2017.
- [112] **N. Crespi** and E. Bertin. ICIN 2015 : innovations in service, networks and clouds : connecting people, things and machines. *IEEE communications magazine*, 53(7):15–, Jul 2015.
- [113] S. H. S. Newaz, A. Cuevas Rumin, G. M. Lee, J. K. Choi, and **N. Crespi**. Adaptive delay-aware energy efficient TDM-PON. *Computer networks - The international journal of computer and telecommunications networking*, 57(7):1577–1596, May 2013.
- [114] S. H. S. Newaz, A. Cuevas Rumin, G. M. Lee, J. K. Choi, and **N. Crespi**. Evaluating energy efficiency of ONUs having multiple power levels in TDM-PONs. *IEEE communications letters*, 17(6):1248–251, Jun 2013.
- [115] S. H. S. Newaz, A. Cuevas Rumin, G. M. Lee, J. K. Choi, and **N. Crespi**. Improving energy saving in time-division multiplexing passive optical networks. *IEEE internet computing*, 17(1):23–31, Jan 2013.
- [116] D. H. Nguyen, **H. Nguyen**, and **E. Renault**. A new channel- and QoS-aware scheduling scheme for real-time services in LTE network. *International journal of applied information systems (IJAIIS)*, 11(4):1–8, Sep 2016.
- [117] D. H. Nguyen, **H. Nguyen**, and **E. Renault**. A new non-intrusive model for measuring VOLTE quality based on wideband E-model. *Communications on applied electronic (CAE)*, 5(8):1–8, Aug 2016.
- [118] D. H. Nguyen, **H. Nguyen**, and **E. Renault**. Predicting VoLTE quality using random neural network. *International Journal of Applied Research on Information Technology and Computing*, 11(3):1–5, Aug 2016.
- [119] D. H. Nguyen, **H. Nguyen**, and **E. Renault**. WE-MQS : a new LTE downlink scheduling scheme for voice services based on user perception. *International journal of computer applications (IJCA)*, 142(10):28–36, May 2016.
- [120] D. H. Nguyen, **H. Nguyen**, and **E. Renault**. WE-MQS-VoIP priority : an enhanced LTE downlink scheduler for voice services with the integration of VoIP priority mode. *International journal of advanced computer science and applications (IJACSA)*, 7(7):560–567, Aug 2016.
- [121] K. T. Nguyen, **M. Laurent**, and N. Ouahla. Survey on secure communication protocols for the Internet of Things. *Ad-hoc networks*, 32:17–31, Sep 2015.

- [122] K. T. Nguyen, N. Ouahla, and **M. Laurent**. Securely outsourcing the ciphertext-policy attribute-based encryption. *World wide web*, 21(1):169–183, Jan 2018. Special issue on Security and Privacy of IoT.
- [123] M. C. Nguyen, **H. Nguyen**, E. Georgeaux, L. Martinod, and P. Mège. Multi-users multiplexing radio voice transmission for enhancing voice capacity over LTE in PMR context. *Journal of wireless mobile networks, ubiquitous computing, and dependable applications (JoWUA)*, 2016.
- [124] A. M. Ortiz, D. Hussein Ali, S. Park, **N. Crespi**, and S. Han. The cluster between Internet of Things and social networks : review and research challenges. *IEEE internet of things journal*, 1(3):206–215, Jun 2014.
- [125] A. M. Ortiz, T. Olivares, F. Royo, L. Orozco Barbosa, and **N. Crespi**. Smart cross-layer protocol integration for efficient wireless communications. *International journal of ad hoc and ubiquitous computing (IJAHUC)*, 20(3):148–158, 2015.
- [126] E. Papagiannakopoulou, M. Koukovini, G. Lioudakis, D. Kaklamani, F. Cuppens, N. Cuppens-Boulahia, I. Venieris, and **J. Garcia-Alfaro**. A privacy-aware access control model for distributed network monitoring. *Computers & Security*, 39(7):2263–2281, Oct 2013.
- [127] A. Papapostolou, V. Friderikos, T. Ali Yahya, and **H. Chaouchi**. Path selection algorithms for fault tolerance in wireless mesh networks. *Telecommunication systems*, 52(4):1831–1844, Apr 2013.
- [128] A. Papapostolou and **H. Chaouchi**. Handoff with energy awareness for future pervasive environments. *The journal of supercomputing*, 64(2):357–382, May 2013.
- [129] S. Park, S.-W. Hong, E. Lee, **N. Crespi**, and S.-H. Kim. Large-scale mobile phenomena monitoring with energy-efficiency in wireless sensor networks. *Computer networks - The international journal of computer and telecommunications networking*, 81:116–135, Apr 2015.
- [130] M. S. Pereira Fonseca, A. Munaretto, C. Mendes, and **H. Chaouchi**. A resource management framework for 802.11 wireless access networks. *Wireless networks*, 21(6):1891–1898, Aug 2015.
- [131] P. Rajapaksha, R. Farahbakhsh, E. Nathanail, and **N. Crespi**. iTrip, a Framework to Enhance Urban Mobility by Leveraging Various Data Sources. *Transportation Research Procedia*, 24:113–122, 2017.
- [132] N. Rani, S. Sathyadevan, **E. Renault**, and V. H. Ha. Comparison of checkpointed aided parallel execution against MapReduce. *International journal of applied engineering research (IJAER)*, 10(11):27513–27524, Jun 2015.
- [133] P. Rawat, K. D. Singh, **H. Chaouchi**, and J. M. Bonnin. Wireless sensor networks : a survey on recent developments and potential synergies. *The journal of supercomputing*, Volume 68(Issue 1):1–48, Apr 2014.
- [134] J. Rubio-Hernan, L. De Cicco, and **J. Garcia-Alfaro**. Adaptive Control-Theoretic Detection of Integrity Attacks against Cyber-Physical Industrial Systems. *Transactions on Emerging Telecommunications Technologies*, 32(9), Aug 2017.
- [135] J. Rubio-Hernan, L. De Cicco, and **J. Garcia-Alfaro**. On the use of Watermark-based Schemes to Detect Cyber-Physical Attacks. *EURASIP journal on information security*, (8), Jun 2017.
- [136] J. Rubio-Hernan, L. De Cicco, and **J. Garcia-Alfaro**. Adaptive control-theoretic detection of integrity attacks against cyber-physical industrial systems. *Transactions on emerging telecommunications technologies*, 29(7):e3209–1–e3209–17, Jul 2018.
- [137] J. Rubio-Hernan, R. Sahay, L. De Cicco, and **J. Garcia-Alfaro**. Cyber-Physical Architecture Assisted by Programmable Networking. *Internet Technology Letters*, Mar 2018.
- [138] R. Sahay, **G. Blanc**, **Z. Zhang**, and **H. Debar**. ArOMA : an SDN based autonomic DDoS mitigation framework. *Computers & Security*, 70:482–499, Sep 2017.
- [139] A. M. Said, **M. Marot**, A. W. Ibrahim, and **H. Afifi**. Modeling interactive real-time applications in VANETs with performance evaluation. *Computer networks - The international journal of computer and telecommunications networking*, 104:66–78, Jul 2016.
- [140] J. M. Sanchez Vilchez, I. Grida Ben Yahia, C. Lac, and **N. Crespi**. Self-modeling based diagnosis of network services over programmable networks. *International journal of network management*, 27(2):1–18, Mar 2017.
- [141] Y. Sang, H. Shen, H. Tian, and **Z. Zhang**. Achieving probabilistic anonymity in a linear and hybrid randomization model. *IEEE Trans. Information Forensics and Security*, 11(10):2187–2202, 2016.
- [142] S. Shehnepoor, M. Salehi, R. Farahbakhsh, and **N. Crespi**. NetSpam : a network-based spam detection framework for reviews in online social media. *IEEE transactions on information forensics and security*, 12(7):1585–1595, Jul 2017.
- [143] W. Shi, M. Barbeau, J.-P. Corriveau, M. Yao, and **J. Garcia-Alfaro**. Secure Localization in the Presence of Colluders in WSNs. *Sensors*, 17(8), Aug 2017.
- [144] W. Shi, **J. Garcia-Alfaro**, and J.-P. Corriveau. Searching for a black hole in interconnected networks using mobile agents and tokens. *Journal of Parallel And Distributed Computing*, 74(1):1945–1958, Jan 2014.

- [145] L. Shu, M. Mukherjee, M. Pecht, S. Han, and **N. Crespi**. Challenges and research issues of data management in IoT for large-scale petrochemical plants. *IEEE systems journal*, pages 1–15, 2018.
- [146] L.-P. Sondeck, **M. Laurent**, and V. Frey. Discrimination rate : an attribute-centric metric to measure privacy. *Annales des télécommunications- Annals of telecommunications*, 72(11-12):755–766, Dec 2017.
- [147] S. Song, M. Abid, M. Hassnaa, and **H. Afifi**. Performance evaluation of an authentication solution for IMS services access. *Telecommunication systems*, 52(4):2205 –2218, Apr 2013.
- [148] J. I. Tamayo Segarra, B. Al Jammal, and **H. Chaouchi**. New IoT proximity service based heterogeneous RFID readers collision control. *PSU research review*, 1(2):127–149, May 2017.
- [149] K. Toumi, H. Sfar, and **J. Garcia-Alfaro**. Reputation trust mechanism under the organizational-based access control model. *Security and communication networks*, 9(18):5295–5310, Dec 2016.
- [150] W. Tounsi, N. Cuppens-Boulahia, **J. Garcia-Alfaro**, F. Cuppens, and Y. Chevalier. KEDGEN2 : a key establishment and derivation protocol for EPC Gen2 RFID systems. *Journal of network and computer applications*, ONLINE FIRST SINCE JUNE 21, 2013, 2013.
- [151] S. Wang, S. Djahel, **Z. Zhang**, and J. McManis. Next road rerouting : A multiagent system for mitigating unexpected urban traffic congestion. *IEEE Trans. Intelligent Transportation Systems*, 17(10):2888–2899, 2016.
- [152] W. Xiao, A. Papastolou, **H. Chaouchi**, and M. Wei. Self-organizing map for fingerprinting-based cooperative localization in dynamic indoor environments. *Unmanned systems*, 3(3):171–183, Jul 2015.
- [153] H. Xiong, D. Zhang, L. Wang, and **H. Chaouchi**. EMC3 : energy-efficient data transfer in mobile crowdsensing under full coverage constraint. *IEEE transactions on mobile computing*, 14(7):1355–1368, Jul 2015.
- [154] H. Xiong, D. Zhang, D. Zhang, K. Yang, M. Becker, and **V. Gauthier**. MPaaS : mobility prediction as a service in telecom cloud. *Information Systems Frontiers*, 16(1):59–75, Mar 2014.
- [155] H. Xiong, G. Zhang, D. Chen, **V. Gauthier**, L. E. Barnes, and L. Wang. iCrowd : near-optimal task allocation for Piggyback Crowdsensing. *IEEE transactions on mobile computing*, 15(8):2010–2022, Aug 2016.
- [156] Y. Xu, F. Gao, H. Ren, **Z. Zhang**, and X. Jiang. An iterative distortion compensation algorithm for camera calibration based on phase target. *Sensors*, 17(6):1188, 2017.
- [157] Dingqi Y., D. Zhang, Z. Yu, **D. Zeghlache**, and Z. Yu. SESAME : mining user digital footprints for fine-grained preference-aware social media search. *ACM transactions on Internet technology*, 14(4), Dec 2014.
- [158] C. Yoon, T. Park, S. Lee, H. Kang, S. Shin, and **Z. Zhang**. Enabling security functions with SDN : A feasibility study. *Computer Networks*, 85:19–35, 2015.
- [159] M. Zerkouk, P. A. Cavalcante Aguilar, A. **M'Hamed**, B. Messabih, and J. Boudy. Behavior and capability based access control model for personalized TeleHealthCare assistance. *Mobile Networks & Applications*, 19(3):392–403, Jun 2014.
- [160] D. Zhang, D. Zhang, H. Xiong, **V. Gauthier**, and L. T. Yang. NextCell : predicting location using social interplay from cell phone traces. *IEEE transactions on computers*, 64(2):452–463, Feb 2015.
- [161] H. Zhang, **H. Nguyen**, E. Martinez Gracia, D. Zhang, B. Guo, **N. Crespi**, and P. A. Tudela Solano. Scalable multimedia delivery with QoS management in pervasive computing environment. *The journal of supercomputing*, 65(1):317–335, Jul 2013.
- [162] **Z. Zhang**, Y. Wang, S. Huang, Y. Liu, C. Chang, F. Gao, and X. Jiang. Three-dimensional shape measurements of specular objects using phase-measuring deflectometry. *Sensors*, 17(12):2835, 2017.

Conférences

- [1] E. Abd-Elrahman, A. M. Said, T. Toukabri, **M. Marot**, and **H. Afifi**. Assisting V2V failure recovery using Device-to-Device communications . In IEEE, editor, *WD 2014 : IFIP Wireless Days*, pages 1–3, 2014.
- [2] E. Abd-Elrahman, A. M. Said, T. Toukabri, **M. Marot**, and **H. Afifi**. A hybrid model to extend vehicular intercommunication V2V through D2D architecture. In IEEE, editor, *ICNC 2015 : International Conference on Computing, Networking and Communications*, pages 754–759, 2015.
- [3] J. Abou Abdo, J. Demerjian, **H. Chaouchi**, G. Pujolle, and K. Barbar. Cloud federation means cash. In IEEE, editor, *ICeND 2014 : Third International Conference on e-Technologies and Networks for Development*, pages 39–42, 2014.
- [4] J. Abou Abdo, J. Demerjian, **H. Chaouchi**, G. Pujolle, and K. Barbar. Operator centric mobile cloud architecture. In IEEE, editor, *WCNC 2014 : Wireless Communications and Networking Conference*, pages 2982–2987, IEEE Explore, 2014.

- [5] J. Abou Abdo, J. Demerjian, **H. Chaouchi**, G. Pujolle, and K. Barbar. Single-Sign-On in operator centric mobile cloud architecture. In IEEE, editor, *MELECON 2014 : 17th Mediterranean Electrotechnical Conference*, pages 151–155, 2014.
- [6] E. M. A. E. Abousabea, **H. Afifi**, L. Aztori, V. Pilloni, and M. Hadji. IoT-D2D task allocation : an award-driven game theory approach. In IEEE, editor, *ICT 2016 : 23rd International Conference on Telecommunications*, pages 1–6, 2016.
- [7] E. M. A. E. Abousabea, H. Ibn Khedher, **H. Afifi**, and T. Toukabri Gunes. Fast group discovery and non-repudiation in D2D communications using IBE. In IEEE, editor, *IWCMC 2015 : 11th Wireless Communications and Mobile Computing Conference*, pages 616–621, 2015.
- [8] R. Agarwal, **V. Gauthier**, and M. Becker. Enhancing information dissemination in metapopulation using human mobility trace and beamforming. In *NETMOB 2013 : 3rd International Conference on the Analysis of Mobile Phone Datasets*, 2013.
- [9] F.-X. Aguessy, O. Bettan, G. Blanc, **H. Debar**, and V. Conan. Hybrid risk assessment model based on Bayesian networks. In Springer, editor, *IWSEC 2016 : 11th International Workshop on Security*, pages 21–40, Cham, 2016.
- [10] A.-M. Ahmad, M. Barbeau, **J. Garcia-Alfaro**, E. Kranakis, S. Porretta, and J. Kassen. Doppler Effect in the Underwater Acoustic Ultra Low Frequency Band. In *9th EAI International Conference on Ad Hoc Networks*, pages 3–12, 2017.
- [11] E. Ahvar, S. Ahvar, Z. Adam-Mann, **J. Garcia-Alfaro**, R. Glitho, and **N. Crespi**. CACEV : a Cost and CArbon Emission-Efficient Virtual machine placement method for green distributed clouds. In IEEE, editor, *SCC 2016 : 13th IEEE International Conference on Services Computing*, pages 275–282, 2016.
- [12] E. Ahvar, S. Ahvar, **N. Crespi**, Z. Adam-Mann, and **J. Garcia-Alfaro**. NACER : a network-aware cost-efficient resource allocation method for processing-intensive tasks in distributed clouds. In IEEE, editor, *2015 : 14th International Symposium on Network Computing and Applications*, pages 90–97, 2015.
- [13] E. Ahvar, G. M. Lee, and **N. Crespi**. A cluster-based peer-to-peer architecture for cloud-based smart homes. In Atlantis Press, editor, *CCIS 2013 : International Workshop on Cloud Computing and Information Security*, 2013.
- [14] E. Ahvar, A. M. Ortiz, and **N. Crespi**. Improving decision-making for fuzzy logic-based routing in Wireless Sensor Networks. In IEEE, editor, *UIC/ATC 2013 : 10th IEEE International Conference on Ubiquitous Intelligence & Computing & 10th International Conference on Autonomic and Trusted Computing*, pages 583–588, 2013.
- [15] S. Ahvar, H. Pann Phyu, S. M. Buddhacharya, **N. Crespi**, R. Glitho, and E. Ahvar. CCVP : cost-efficient centrality-based VNF placement and chaining algorithm for network service provisioning. In IEEE Computer Society, editor, *NetSoft 2017 : 3rd IEEE Conference on Network Softwarization*, pages 1–9, Los Alamitos, 2017.
- [16] S. Ahvar, G. Santos, N. Tamani, I. Praca, Y. Ghamri-Doudane, **N. Crespi**, P.-E. Brun, and B. Istasse. Ontology-based model for trusted critical site supervision in FUSE-IT. In IEEE Computer Society, editor, *ICIN 2017 : 20th Innovations in Clouds, Internet and Networks conference*, pages 313–315, Los Alamitos, 2017.
- [17] M. Alimam, E. Bertin, and **N. Crespi**. Social and collaborative services for organizations : back to requirements. In Aston Business School, editor, *SSC 2015 : The Spring Servitization Conference*, pages 26–32, Birmingham, 2015.
- [18] M. Alimam, E. Bertin, and **N. Crespi**. Enterprise 2.0 : literature taxonomy and usage evaluation. In Springer, editor, *POEM 2016 : 9th IFIP WG 8.1 Working Conference on The Practice of Enterprise Modeling*, pages 26–40, Cham, 2016.
- [19] M. Alimam, E. Bertin, and **N. Crespi**. Improving the capabilities of email for businesses : the case of social tagging. In AISeL, editor, *ECIS 2016 : 24th European Conference on Information Systems*, pages 1–17, 2016.
- [20] A. Amari, N. Achir, P. Muhlethaler, and **A. Laouiti**. Optimized broadcast scheme for mobile ad hoc networks. In IEEE, editor, *WCNC 2014 : Wireless Communications and Networking Conference*, pages 2594–2598, 2014.
- [21] I. Amdouni, F. Hrizi, **A. Laouiti**, **H. Chaouchi**, and E. Grasa. Exploring the flexibility of network access control in the Recursive InterNetwork Architecture. In IEEE, editor, *APCC 2016 : 22nd Asia-Pacific Conference on Communications*, pages 559–566, 2016.
- [22] **A. M'Hamed**, M. Zerkouk, A. El Husseini, B. El Hassan, and B. Messabih. Towards a context aware modeling of trust and access control based on the user behavior and capabilities . In Springer, editor, *ICOST '13 : 11th International Conference On Smart homes and health Telematics*, volume 7910, pages 69–76, Heidelberg ; Dordrecht ; London [etc.], 2013. Collection : Lecture Notes in Computer Science.
- [23] D. Bachir, **V. Gauthier**, M. El Yacoubi, and G. Khodabandeh. Using mobile phone data analysis for the estimation of daily urban dynamics. In IEEE Computer Society, editor, *ITSC 2017 : 20th International Conference on Intelligent Transportation Systems*, Los Alamitos, 2017.

- [24] M. Barbeau, S. Blouin, G. Cervera, B. Hasannezhad, E. Kranakis, and **J. Garcia-Alfaro**. Simulation of underwater communications with a colored noise approximation and mobility. In IEEE, editor, *CCECE 2015 : 28th Canadian Conference on Electrical and Computer Engineering*, pages 1532–1537, 2015.
- [25] M. Barbeau, S. Blouin, G. Cervera, E. Kranakis, and **J. Garcia-Alfaro**. Location-free link state routing for underwater acoustic sensor networks. In IEEE, editor, *CCECE 2015 : 28th Canadian Conference on Electrical and Computer Engineering*, pages 1544–1549, 2015.
- [26] M. Barbeau, G. Cervera, **J. Garcia-Alfaro**, and E. Kranakis. A new analytic model for the cognitive radio jump-stay algorithm. In IEEE, editor, *WD 2013 : IFIP Wireless Days*, volume 1, pages 1–3, 2013.
- [27] M. Barbeau, G. Cervera, **J. Garcia-Alfaro**, and E. Kranakis. A new analysis of the cognitive radio jump-stay algorithm under the asymmetric model. In IEEE, editor, *ICC 2014 : IEEE International Conference on Communications*, pages 1590–1595, 2014.
- [28] M. Barbeau, G. Cervera, **J. Garcia-Alfaro**, and E. Kranakis. Revisiting the performance of the modular clock algorithm for distributed blind rendezvous in cognitive radio networks. In Springer international publishing, editor, *ADHOC-NOW 2014 : 13th International Conference on Ad-Hoc Networks and Wireless*, pages 197–208, Cham, 2014.
- [29] M. Barbeau, G. Cervera, **J. Garcia-Alfaro**, and E. Kranakis. The bidirectional algorithm for channel selection using a two-radio model. In IEEE, editor, *VTC Fall 2014 : IEEE 80th Vehicular Technology Conference*, volume 1, pages 1–5, 2014.
- [30] M. Barbeau, **J. Garcia-Alfaro**, E. Kranakis, and S. Porretta. The Sound of Communication in Underwater Acoustic Sensor Networks. In *9th EAI International Conference on Ad Hoc Networks*, pages 13–23, 2017.
- [31] S. Behrad, E. Bertin, and **N. Crespi**. Securing authentication for mobile networks, a survey on 4G issues and 5G answers. In *2018 21st Conference on Innovation in Clouds, Internet and Networks and Workshops (ICIN)*, 2018.
- [32] S. Belguith, N. Kaaniche, A. Jemai, R. Attia, and **M. Laurent**. PAbAC : a Privacy preserving Attribute based framework for fine grained Access Control in clouds . In Scitepress, editor, *SECRYPT 2016 : 13th International Conference on Security and Cryptography*, volume 4, pages 133–146, 2016.
- [33] S. Belguith, N. Kaaniche, **M. Laurent**, R. Attia, and A. Jemai. Constant-size threshold attribute based signcryption for cloud applications. In Scitepress, editor, *SECRYPT 2017 : 14th International Conference on Security and Cryptography*, volume 6, pages 212–225, Setúbal, 2017.
- [34] M. Belhaouane, **J. Garcia-Alfaro**, and **H. Debar**. Evaluating the comprehensive complexity of authorization-based access control policies using quantitative metrics. In Scitepress, editor, *SECRYPT 2015 : 12th International Conference on Security and Cryptography*, pages 53–64, Setubal, 2015.
- [35] M. Belhaouane, **J. Garcia-Alfaro**, and **H. Debar**. On the isofunctionality of network access control lists. In IEEE, editor, *ARES 2015 : 10th International Conference on Availability, Reliability and Security*, pages 168–173, 2015.
- [36] M. V. Beltran Martinez, D. Hussein Ali, A. M. Ortiz, and **N. Crespi**. A semantic service creation platform for social IoT. In IEEE, editor, *WF-IOT 2014 : IEEE World Forum on Internet of Things*, pages 283–286, 2014.
- [37] A. Ben Mosbah, T. Hall, M. R. Souryal, and H. Afifi. An analytical model for inference attacks on the incumbent’s frequency in spectrum sharing. In IEEE, editor, *DySPAN 2017 : International Symposium on Dynamic Spectrum Access Networks*, pages 1–2, Los Alamitos, 2017.
- [38] Y. Ben Mustapha and **H. Debar**. Service dependencies-aware policy enforcement framework based on hierarchical colored petri net. In Springer, editor, *SSCC13 : International Symposium on Security in Computing and Communications*, volume 377, pages 313–321, Heidelberg ; New-York ; Dordrecht [etc.], 2013.
- [39] Y. Ben Mustapha, **H. Debar**, and G. Blanc. Policy enforcement point model. In Springer International Publishing, editor, *SECURECOMM 2014 : 10th International Conference on Security and Privacy in Communication Networks*, pages 278–286, Cham, 2015.
- [40] J. Bendriss, I. G. Ben Yahia, R. Riggio, and **D. Zeghlache**. Demo : A deep learning based SLA management for NFV-based services. In *2018 21st Conference on Innovation in Clouds, Internet and Networks and Workshops (ICIN)*, pages 1–3, 2018.
- [41] J. Bendriss, I. Grida Ben Yahia, P. Chemouil, and **D. Zeghlache**. AI for SLA management in programmable networks. In VDE, editor, *DRCN 2017 : 13th International Conference on Design of Reliable Communication Networks*, pages 130–137, Berlin ; Offenbach, 2017.
- [42] J. Bendriss, I. Grida Ben Yahia, and **D. Zeghlache**. Forecasting and anticipating SLO breaches in programmable networks. In IEEE Computer Society, editor, *ICIN 2017 : 20th Conference on Innovations in Clouds, Internet and Networks*, pages 127–134, Los Alamitos, 2017.
- [43] A. Berriri, J. Lopez, N. Kushik, **D. Zeghlache**, and N. Yevtushenko. Towards Model based Testing for Software Defined Networks. In *13th International Conference on Evaluation of Novel Approaches to Software Engineering ENASE 2018*, pages 440–446, 2018.

- [44] E. Bertin, S. Cubaud, S. Tuffin, **N. Crespi**, M. V. Beltran Martinez, and S. Cazeaux. WebRTC, the day after : what's next for conversational services ? In IEEE, editor, *ICIN 2013 : 17th International Conference on Intelligence in Next Generation*, pages 46–52, 2013.
- [45] E. Bertin and **N. Crespi**. Urbanization of information systems : an outdated method ? In Springer international publishing, editor, *DED&M 2014 : 2nd International Conference on Digital Enterprise Design and Management*, pages 83–91, Cham, 2014.
- [46] J. Bou Abdo, J. Demerjian, **H. Chaouchi**, and T. Atechian. Enhanced revenue optimizing SLA-based admission control for IaaS cloud networks. In IEEE, editor, *FICLOUD 2015 : 3rd International Conference on Future Internet of Things and Cloud*, pages 225–230, 2015.
- [47] J. Bou Abdo, J. Demerjian, **H. Chaouchi**, T. Atechian, and R. Yared. Micro-economy effect on cloud federation. In IEEE, editor, *GSCIT 2015 : Global Summit on Computer & Information Technology*, pages 1–4, 2015.
- [48] J. Bou Abdo, J. Demerjian, **H. Chaouchi**, C. Bassil, and T. Atechian. Privacy using mobile cloud. In IEEE, editor, *DICTAP 2015 : 5th International Conference on Digital Information and Communication Technology and its Applications*, pages 178–182, 2015.
- [49] L. Bouali, E. M. A. E. Abousabaa, **H. Afifi**, M. Daoui, and S. Bouzefrane. Virtualization techniques : challenges & opportunities. In Springer, editor, *MSPN 2016 : International Conference on Mobile, Secure and Programmable Networking*, pages 49–62, Cham, 2016.
- [50] S. Boumerdassi and **E. Renault**. A flooding-based solution to improve location services in VANETs. In IEEE Computer Society, editor, *ICC 2016 : International Conference on Communications*, pages 1–6, Los Alamitos, 2016.
- [51] S. Boumerdassi, **E. Renault**, and P. Muhlethaler. A stateless time-based authenticated-message protocol for wireless sensor networks (STAMP). In IEEE Computer Society, editor, *WCNC 2016 : Wireless Communications and Networking Conference*, pages 1–6, Los Alamitos, 2016.
- [52] F. Boutigny, S. Betge-Brezetz, **H. Debar**, A. Lavignotte, I. Popescu, and **G. Blanc**. Multi-Provider Secure Virtual Network Embedding. In *2018 9th IFIP International Conference on New Technologies, Mobility and Security (NTMS)*, 2018.
- [53] A. Bradai, E. M. A. E. Abousabaa, and **H. Afifi**. Privacy aware nomadic service for personalized IPTV. In IARIA, editor, *ICSNC 2013 : 8th International Conference on Systems and Networks Communications*, pages 70–76, 2013.
- [54] A. Bradai, W. Ben-Ameur, and **H. Afifi**. Byzantine-resistant reputation-based trust management . In IEEE, editor, *COLLABORATECOM 2013 : 9th IEEE International Conference on Collaborative Computing : Networking, Applications and Worksharing*, pages 269–278, 2013.
- [55] A. Bradai and **H. Afifi**. Game theoretic framework for reputation-based distributed intrusion detection. In IEEE, editor, *PASSAT 2013 : ASE/IEEE International Conference on Information Privacy, Security, Risk and Trust*, volume 1, pages 214–219, 2013.
- [56] Q. Cao Huu, I. Khan, R. Farahbakhsh, G. M. Lee, **N. Crespi**, and G. Madhusudan. A trust model for data sharing in smart cities. In IEEE Computer Society, editor, *ICC 2016 : IEEE International Conference on Communications : Communications for All Things*, pages 1–7, 2016.
- [57] Q. Cao Huu, G. Madhusudan, R. Farahbakhsh, and **N. Crespi**. Usage control for data handling in smart cities. In IEEE, editor, *GLOBECOM 2015 : IEEE Global Communications Conference*, pages 1–6, 2015.
- [58] G. Cervera, M. Barbeau, **J. Garcia-Alfaro**, and E. Kranakis. QoS and security in Link State Routing protocols for MANETs. In IEEE, editor, *WD 2013 : IFIP Wireless Days*, volume 1, pages 1–6, 2013.
- [59] W. Chanthaweechip, X. Han, **N. Crespi**, R. Farahbakhsh, A. Cuevas Rumin, and Y. Chen. Current Cityprediction for coarse location based applications on Facebook. In IEEE, editor, *GLOBECOM 2013 : IEEE Global Communications Conference, Exhibition & Industry Forum*, pages 3188–3193, 2013.
- [60] F. Charmet, R. Waldinger, **G. Blanc**, K. Toumi, and C. Kiennert. Preserving confidentiality during the migration of virtual SDN topologies : a formal approach. In IEEE Computer Society, editor, *NCA 2017 : 16th IEEE International Symposium on Network Computing and Applications*, pages 1–5, Los Alamitos, 2017.
- [61] Y. Chen, **N. Crespi**, L. Lv, A. M. Ortiz, L. Shu, and M. Li. Locating using prior information : wireless indoor localization algorithm. In ACM, editor, *SIGCOMM'13 : ACM Special Interest Group on Data Communication*, pages 463–464, New-York, 2013.
- [62] Y. Chen, **N. Crespi**, L. Shu, and G. M. Lee. Reality mining with mobile data : understanding the impact of network structure on propagation dynamics. In Springer international publishing, editor, *ICA3PP 2015 : 15th International Conference on Algorithms and Architectures for Parallel Processing*, pages 442–461, Cham, 2015.
- [63] Y. Chen, A. M. Ortiz, **N. Crespi**, L. Lv, and L. Shu. Reality mining : digging the impact of friendship and location on crowd behavior. In Springer international publishing, editor, *MOBIQUITOUS 2013 : 10th International Conference on Mobile and Ubiquitous Systems : Computing, Networking and Services*, pages 142–154, Cham, 2014.

- [64] Y. Chen, L. Shu, **N. Crespi**, M. Guizani, and G. M. Lee. Understanding the impact of network structure on propagation dynamics based on mobile big data. In IEEE, editor, *IWCMC 2016 : 12th International Wireless Communication and Mobile Computing Conference*, pages 1018–1023, 2016.
- [65] B. Chihani, E. Bertin, and **N. Crespi**. A graph-based context modeling approach. In IEEE, editor, *SACONET 2013 : 4th International Conference on Smart Communications in Network Technologies*, volume 1, pages 1–6, 2013.
- [66] B. Chihani, E. Bertin, and **N. Crespi**. A user-centric context-aware mobile assistant. In IEEE Computer Society, editor, *ICIN 2013 : 17th International Conference on Intelligence in Next Generation Networks*, pages 110–117, 2013.
- [67] B. Chihani, E. Bertin, and **N. Crespi**. Decoupling context management and application logic : a new framework . In IEEE, editor, *IoT-SoS 13 : The Second IEEE WoWMoM Workshop on the Internet of Things : Smart Objects and Services*, pages 1–6, 2013.
- [68] R. Copeland, S. Ahvar, and **N. Crespi**. Technology assessment for mission-critical services on automotive virtual edge communicator (AVEC). In *2018 21st Conference on Innovation in Clouds, Internet and Networks and Workshops (ICIN)*, 2018.
- [69] R. Copeland and **N. Crespi**. Wallet-on-wheels using vehicleś identity for secure mobile money. In IEEE, editor, *ICIN 2013 : 17th International Conference on Intelligence in Next Generation*, pages 102–109, 2013.
- [70] R. Copeland and **N. Crespi**. Classifying and aggregating context attributes for business service requests : no one-size-fits-all. In IEEE, editor, *BIGDATA 2014 : IEEE International Congress on Big Data*, pages 808–815, 2014.
- [71] R. Copeland and **N. Crespi**. Identifying risk profiles and mitigating actions for business communication services. In IFIP, editor, *CNSM 2014 : 10th International Conference on Network and Service Management*, pages 236–241, 2014.
- [72] R. Copeland and **N. Crespi**. Rating credibility of sources for profiling risk and business context of service requests. In IEEE, editor, *SCC 2014 : IEEE International Conference on Services Computing*, pages 416–423, 2014.
- [73] J. Denis, S. Smirani, and **B. Jouaber**. Beamformer Designs for Energy-Efficient Multi-Cell Physical Layer Multicasting. In IEEE, editor, *23rd Asia-Pacific Conference on Communications (APCC 2017)*, 2017.
- [74] J. Denis, S. Smirani, B. Diomande, **B. Jouaber**, and T. Ghariani. Energy-efficient coordinated beamforming for multi-cell multicast networks under statistical CSI. In IEEE Computer Society, editor, *SPAWC 2017 : IEEE 18th International Workshop on Signal Processing Advances in Wireless Communications*, pages 1–5, Los Alamitos, 2017.
- [75] J. Denis, S. Smirani, B. Diomande, **B. Jouaber**, and T. Ghariani. Outage Probability-based Beamforming Design for Multi-Cell Multicast Networks. In IEEE, editor, *IEEE 28th Annual International Symposium on Personal, Indoor, and Mobile Radio Communications (PIMRC)*, 2017.
- [76] M. T. Diallo, N. Marechal, and **H. Afifi**. A hybrid contextual user perception model for streamed video quality assessment multimedia. In IEEE, editor, *ISM 2013 : International Symposium on Multimedia Pages*, pages 518–519, IEEE, 2013.
- [77] A. Diop, S. Gharout, **M. Laurent**, J. Traoré, and J. Leneutre. Questioning the security and efficiency of the ESIoT approach. In ACM, editor, *WISEC 2018 : 11th ACM Conference on Security and Privacy in Wireless and Mobile Networks*, pages 202–207, New York, 2018.
- [78] S. Dramé-Maigné, **M. Laurent**, L. Castillo, and H. Ganem. Augmented chain of ownership : Configuring IoT devices with the help of the blockchain. In *14th EAI International Conference on Security and Privacy in Communication Networks, SecureComm 2018*, 2018.
- [79] W. Drira, **E. Renault**, and **D. Zeghlache**. Design and performance evaluation of a system for storing and visualizing data from a sensor network. In IACSIT Press, editor, *ICECT12 : 4th International Conference on Electronics Computer Technology*, volume 1(3), pages 223–227, 2013. Journal of Advances in Computer Networks (JACN).
- [80] W. Drira, **E. Renault**, and **D. Zeghlache**. Towards a secure social sensor network. In IEEE, editor, *BIBM 2013 : International Conference on Bioinformatics and Biomedicine*, pages 24–29, 2013.
- [81] T. Ecarot, **D. Zeghlache**, and C. Brandily. Consumer-and-provider-oriented efficient IaaS resource allocation. In IEEE Computer Society, editor, *IPDPSW 2017 : IEEE International Parallel and Distributed Processing Symposium Workshops*, pages 77–85, Los Alamitos, 2017.
- [82] K. El Dassouki, **H. Debar**, H. Safa, and A. Hijazi. A TCP delay based mechanism for detecting congestion in the internet. In IEEE, editor, *ICCIT13 : The Third International Conference on Communications and Information Technology*, pages 141–145, 2013.
- [83] S. El-Haddad, **M. Girod-Genet**, B. El-Hassan, and L. Nachabe Ismail. Clustering energy based routing protocol for Wireless Sensor Networks. In *BLACKSEACOM 2015 : 3rd International Black Sea Conference on Communications and Networking*, 2015.

- [84] E. El Moustaine and **M. Laurent**. GPS+ : a back-end coupons identification for low-cost RFID. In ACM, editor, *WiSec13 : 6th ACM Conference on Security and Privacy in Wireless and Mobile Networks*, pages 73–78, New-York, 2013.
- [85] **E. Renault** and S. Boumerdassi. Mutual authentication method for WSNs based on the three-card trick ancient card game. In IEEE, editor, *VTC Fall 2014 : IEEE 80th Vehicular Technology Conference*, pages 1–5, 2014.
- [86] **E. Renault** and S. Boumerdassi. Towards an energy-efficient tool for processing the Big Data. In IEEE, editor, *FICLOUD 2014 : 2nd International Conference on Future Internet of Things and Cloud*, pages 448–452, 2014.
- [87] P.-E. Fabre, **H. Debar**, J. Viinikka, and G. Blanc. ML : DDoS damage control with MPLS. In Springer, editor, *NORDSEC 2016 : 21st Nordic Conference on Secure IT Systems*, pages 101–116, Cham, 2016.
- [88] F. Farahbakhsh, A. Cuevas Rumin, and **N. Crespi**. Characterization of cross-posting activity for professional users across major OSNs. In ACM, editor, *ASONAM 2015 : International Conference on Advances in Social Networks Analysis and Mining*, pages 645–650, New York, 2015.
- [89] R. Farahbakhsh, A. Cuevas Rumin, R. Cuevas Rumin, M. Kryczka, **N. Crespi**, R. Gonzalez, and R. Rejaie. Investigating the reaction of BitTorrent content publishers to antipiracy actions. In IEEE, editor, *P2P 2013 : 13th International Conference on Peer-to-Peer Computing*, pages 1–10, 2013.
- [90] R. Farahbakhsh, X. Han, A. Cuevas Rumin, and **N. Crespi**. Analysis of publicly disclosed information in facebook profiles. In IEEE, editor, *ASONAM13 : The IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining*, pages 699–705, 2013.
- [91] R. Farahbakhsh, S. Karbalay Mohammadi Dastjerdi, X. Han, **N. Crespi**, and A. Cuevas Rumin. Evolution of publicly disclosed information in Facebook profiles. In IEEE Computer Society, editor, *TRUSTCOM 2017 : 16th IEEE International Conference on Trust, Security and Privacy in Computing and Communications*, pages 9–16, Los Alamitos, 2017.
- [92] R. Farahbakhsh, **N. Crespi**, A. Cuevas Rumin, M. Mani, P. Saengudomlert, and N. Shrestha. Improved P2P content discovery by exploiting user social patterns. In IEEE, editor, *ICNC13 : International Conference on Computing, Networking and Communication*, pages 444–448, 2013.
- [93] F. Fortat, **M. Laurent**, and M. Simatic. Games based on active NFC objects : model and security requirements . In IEEE, editor, *NETGAMES 2015 : 14th International Workshop on Network and Systems Support for Games*, pages 1–3, 2015.
- [94] F. Gbaguidi, S. Boumerdassi, **E. Renault**, and E. Ezin. Characterizing servers workload in cloud datacenters. In IEEE, editor, *FICLOUD 2015 : 3rd International Conference on Future Internet of Things and Cloud*, pages 657–661, 2015.
- [95] N. Gensollen, M. Becker, **V. Gauthier**, and **M. Marot**. Coalition formation algorithm of prosumers in a smart grid environment. In *ICC 2015 : IEEE International Conference on Communications*, pages 5896–5902, 2015.
- [96] N. Gensollen, **V. Gauthier**, **M. Marot**, and M. Becker. Submodular optimization for control of prosumer networks. In IEEE Computer Society, editor, *SMARTGRIDCOMM 2016 : 7th IEEE International Conference on Smart Grid Communications*, pages 1–6, Los Alamitos, 2016.
- [97] T. Ghariani and **B. Jouaber**. Energy aware cross layer uplink scheduling for multihomed environments. In IEEE, editor, *GLOBECOM 2013 : 5th IEEE International Workshop on Management of Emerging Networks and Services*, pages 861 –866, 2013.
- [98] T. Ghariani and **B. Jouaber**. Energy consumption evaluation for LTE scheduling algorithms. In IEEE, editor, *ISNCC 2015 : International Symposium on Networks, Computers and Communications*, pages 1–5, 2015.
- [99] T. Ghariani and **B. Jouaber**. Green topological potential-based optimization for power and spectral efficiency tradeoff in LTE HetNets. In IEEE Computer Society, editor, *ITNAC 2017 : 26th International Telecommunication Networks and Applications Conference*, pages 1–6, Los Alamitos, 2017.
- [100] C. Ghribi and **D. Zeghlache**. Exact and heuristic graph-coloring for energy efficient advance cloud resource reservation. In IEEE, editor, *CLOUD 2014 : 7th International Conference on Cloud Computing*, pages 112–119, 2014.
- [101] C. Ghribi, M. Hadji, and **D. Zeghlache**. Energy efficient VM scheduling for cloud data centers : exact allocation and migration algorithms. In IEEE, editor, *ExtremeGreen13 : Extreme Green & Energy Efficiency in Large Scale Distributed Systems*, pages 671–678, Princeton, 2013.
- [102] C. Ghribi, M. Mechtri, and **D. Zeghlache**. A dynamic programming algorithm for joint VNF placement and chaining. In ACM, editor, *CAN 2016 : Workshop on Cloud-Assisted Networking*, pages 19–24, New York, 2016.
- [103] C. Ghribi, M. Mechtri, and **D. Zeghlache**. Scalable virtual resource embedding in clouds. In IEEE Computer Society, editor, *GLOBECOM 2016 : IEEE Global Communications Conference*, pages 1–7, Los Alamitos, 2016.

- [104] C. Ghribi, M. Mechtri, O. Soualah, and **D. Zeghlache**. SFC provisioning over NFV enabled clouds. In IEEE Computer Society, editor, *CLOUD 2017 : IEEE 10th International Conference on Cloud Computing*, pages 423–430, Los Alamitos, 2017.
- [105] G. Giambene, V. A. Le, T. Bourgeau, and **H. Chaouchi**. Soft frequency reuse schemes for heterogeneous LTE systems. In IEEE, editor, *ICC 2015 : IEEE International Conference on Communications*, pages 3161–3166, 2015.
- [106] G. D. Gonzalez Granadillo, E. Alvarez, A. Motzek, **J. Garcia-Alfaro**, **H. Debar**, and M. Merialdo. Towards an automated and dynamic risk management response system. In Springer, editor, *NORDSEC 2016 : 21st Nordic Conference on Secure IT Systems*, pages 37–53, Cham, 2016.
- [107] G. D. Gonzalez Granadillo, E. Doynikova, I. Kotenko, and **J. Garcia-Alfaro**. Attack graph-based countermeasure selection using a stateful return on investment metric. In Springer, editor, *FPS 2017 : 10th International Symposium on Foundations and Practice of Security*, pages 293–302, Cham, 2018. Lecture Notes in Computer Science, vol 10723.
- [108] G. D. Gonzalez Granadillo, M. El Barbori, and **H. Debar**. New types of alert correlation for security information and event management systems. In IEEE Computer Society, editor, *NTMS 2016 : 8th IFIP International Conference on New Technologies, Mobility and Security*, pages 1–7, Los Alamitos, 2016.
- [109] G. D. Gonzalez Granadillo, **J. Garcia-Alfaro**, and **H. Debar**. Using a 3D geometrical model to improve accuracy in the evaluation and selection of countermeasures against complex cyber attacks. In Springer international publishing, editor, *SECURECOMM 2015 : 11th EAI International Conference on Security and Privacy in Communication Networks*, pages 538–555, Cham, 2015.
- [110] G. D. Gonzalez Granadillo, **J. Garcia-Alfaro**, and **H. Debar**. An n-sided polygonal model to calculate the impact of cyber security events. In Springer, editor, *CRISIS 2016 : 11th International Conference on Risks and Security of Internet and Systems*, pages 87–102, Cham, 2016.
- [111] G. D. Gonzalez Granadillo, **J. Garcia-Alfaro**, **H. Debar**, L. Rodriguez-Martin, and C. Ponchel. Considering technical and financial impact in the selection of security countermeasures against Advanced Persistent Threats. In IEEE, editor, *NTMS 2015 : 7th International Conference on New Technologies, Mobility and Security*, pages 1–6, 2015.
- [112] G. D. Gonzalez Granadillo, A. Motzek, **J. Garcia-Alfaro**, and **H. Debar**. Selection of mitigation actions based on financial and operational impact assessments. In IEEE Computer Society, editor, *ARES 2016 : 11th International Conference on Availability, Reliability and Security*, pages 137–146, Los Alamitos, 2016.
- [113] G. D. Gonzalez Granadillo, C. Ponchel, G. Blanc, and **H. Debar**. Combining technical and financial impacts for countermeasure selection. In Electronic Proceedings in Theoretical Computer Science (EPTCS), editor, *AIDP 2014 : International Workshop on Advanced Intrusion Detection and Prevention*, volume 165, pages 1–14, 2014.
- [114] G. D. Gonzalez Granadillo, J. rubio Hernan, and **J. Garcia-Alfaro**. Towards a Security Event Data Classification. In Springer, editor, *CRISIS 2017 : 12th International Conference on Risks and Security of Internet and Systems*, 2017.
- [115] G. D. Gonzalez Granadillo, J. Rubio-Hernan, **J. Garcia-Alfaro**, and **H. Debar**. Considering internal vulnerabilities and the attacker’s knowledge to model the impact of cyber events as geometrical prisms. In IEEE Computer Society, editor, *TRUSTCOM 2016 : 15th IEEE International Conference on Trust, Security and Privacy in Computing and Communications*, pages 340–348, Los Alamitos, 2016.
- [116] G.D. Gonzalez Granadillo, E. Doynikova, I. Kotenko, and **J. Garcia-Alfaro**. Attack Graph-based Countermeasure Selection using a Stateful Return on Investment Metric. In *FPS 2017 : Foundations and Practice of Security*, Nancy, 2017.
- [117] R. Gonzalez Sanchez, **R. Cuevas Rumin**, R. Motamedi, A. Cuevas Rumin, and R. Rejaie. Google+ or google-? dissecting the evolution of the new OSN in its first year. In ACM, editor, *WWW ’13 : 22nd International World Wide Web Conference*, pages 483–494, 2013.
- [118] A. Gopalasingham, Q. P. Van, L. Roulet, **E. Renault**, S. De Marchi, E. Hamman, L. Natarianni, and C. S. Chen. Software-defined mobile backhaul for future train to ground communication services. In IEEE, editor, *WMNC 2016 : 9th IFIP Wireless and Mobile Networking Conference*, pages 161–167, Los Alamitos, 2016.
- [119] D. Griffith, **A. Ben Mosbah**, and R. A. Rouil. Group discovery time in device-to-device (D2D) proximity services (ProSe) networks . In IEEE Computer Society, editor, *INFOCOM 2017 : International Conference on Computer Communications*, pages 1–9, Los Alamitos, 2017.
- [120] V. H. Ha, X. H. Do, V. L. Tran, and **E. Renault**. Creating an easy to use and high performance parallel platform on multi-cores networks. In Springer, editor, *MSPN 2016 : 2nd International Conference on Mobile, Secure, and Programmable Networking*, volume 10026, pages 197–207, Cham, 2016.
- [121] S. Hachana, F. Cuppens, N. Cuppens-Boulahia, and **J. Garcia-Alfaro**. Semantic analysis of role mining results and shadowed roles detection. In Elsevier, editor, *ARES12 : The 7th International Conference on Availability, Reliability and Security*, volume 17, Issue 4, pages 131–147, 2013.

- [122] N. Hachem, **J. Garcia-Alfaro**, and **H. Debar**. An adaptive mitigation framework for handling suspicious network flows via MPLS policies. In Springer-Verlag, editor, *NORDSEC 2013 : 18th Nordic Conference on Secure IT Systems*, pages 297–312, Berlin Heidelberg, 2013.
- [123] S. Haddad, J. Sayah, **M. Girod-Genet**, and B. El Hassan. Optimized energy distribution in Wireless Sensor Networks. In IEEE, editor, *DIPDMWC 2016 : 3rd International Conference on Digital Information Processing, Data Mining, and Wireless Communications*, pages 284–291, 2016.
- [124] M. Haddad and **A. Laouiti**. A study on priority-based centralized TDMA slot scheduling algorithm for Vehicular Ad hoc NETworks. In The Society of Digital Information and Wireless Communications, editors, *CSCET 2017 : 4th International Conference on Computer Science, Computer Engineering, and Education Technologies*, volume 8-2, pages 124–128, Hong Kong, 2018.
- [125] M. Haddad, **A. Laouiti**, P. Muhlethaler, and L. Azouz Saidane. An infrastructure-free slot assignment algorithm for reliable broadcast of periodic messages in Vehicular Ad hoc Networks. In IEEE, editor, *VTC FALL 2016 : 84th Vehicular Technology Conference*, pages 1–7, 2016.
- [126] M. Haddad, P. Muhlethaler, and **A. Laouiti**. Performance evaluation of a TDMA-based multi-hop communication scheme for reliable delivery of warning messages in vehicular networks . In IEEE Computer Society, editor, *IWCMC 2017 : 13th International Wireless Communications & Mobile Computing Conference*, pages 1029–1034, Los Alamitos, 2017.
- [127] M. Haddad, P. Muhlethaler, **A. Laouiti**, and L. Azouz Saidane. A centralized TDMA based scheduling algorithm for real-time communications in vehicular ad hoc networks. In IEEE, editor, *SOFTCOM 2016 : 24th International Conference on Software, Telecommunications and Computer Networks*, pages 1–6, 2016.
- [128] M. Haddad, P. Muhlethaler, **A. Laouiti**, and L. Azouz Saidane. A novel angle-based clustering algorithm for vehicular ad hoc networks. In Springer, editor, *IWVSC 2016 : 2nd International Workshop on Vehicular Adhoc Networks for Smart Cities*, volume 548, pages 27–38, Singapore, 2016.
- [129] M. Haddad, P. Muhlethaler, **A. Laouiti**, and L. Azouz Saidane. TDMA-aware routing protocol for multi-hop communications in Vehicular Ad Hoc Networks. In IEEE Computer Society, editor, *WCNC 2017 : Wireless Communications and Networking Conference*, pages 1–6, Los Alamitos, 2017.
- [130] M. Haddad, P. Muhlethaler, R. Zagrouba, L. Azouz Saidane, and **A. Laouiti**. Using road IDs to enhance clustering in vehicular ad hoc networks. In *IWCMC 2015 : International Wireless Communications and Mobile Computing Conference*, pages 285–290, 2015.
- [131] M. Haddad, R. Zagrouba, **A. Laouiti**, L. Azouz Saidane, and P. Muhlethaler. An optimal strategy for collision-free slots allocations in Vehicular Ad-hoc NETworks. In Springer, editor, *IWVSC 2014 : 1st International Workshop on Vehicular Adhoc Networks for Smart Cities*, pages 15–30, Singapore, 2014.
- [132] M. Haddad, R. Zagrouba, **A. Laouiti**, L. Azouz Saidane, and P. Muhlethaler. A multi-objective genetic algorithm-based adaptive weighted clustering protocol in VANET . In IEEE, editor, *CEC 2015 : Congress on Evolutionary Computation*, pages 994–1002, 2015.
- [133] M. Hadji, B. Aupetit, and **D. Zeghlache**. Cost-efficient algorithms for critical resource allocation in cloud federations. In IEEE Computer Society, editor, *CLOUDNET 2016 : 5th International Conference on Cloud Networking*, pages 1–6, Los Alamitos, 2016.
- [134] Hämäläinen, M., T. Paso, L. Mucchi, J. Farserotu, W. H. Chin, **L. Nachabe Ismail**, H. Tanaka, and **M. Girod-Genet**. ETSI TC SmartBAN : overview of the Wireless Body Area Network standard. In IEEE, editor, *ISMICIT 2015 : 9th International Symposium on Medical Information and Communication Technology*, pages 1–5, 2015.
- [135] S. E. Hammami, **H. Afifi**, **M. Marot**, and **V. Gauthier**. Network planning tool based on network classification and load prediction. In IEEE, editor, *WCNC 2016 : IEEE Wireless Communications and Networking Conference*, pages 1–6, 2016.
- [136] S. Han, Q. Cao Huu, B. Alinia, and **N. Crespi**. Design, implementation, and evaluation of 6LoWPAN for home and building automation in the Internet of Things. In IEEE, editor, *AICCSA : 12th ACS/IEEE International Conference on Computer Systems and Applications*, pages 1–8, 2015.
- [137] S. Han, G. M. Lee, **N. Crespi**, K. Heo, P. Gatellier, M. Brut, and N. Van Luong. DPWSim : a simulation toolkit for IoT applications using devices profile for web services. In IEEE, editor, *WF-IOT 2014 : IEEE World Forum on Internet of Things*, pages 544–547, 2014.
- [138] X. Han, L. Wang, N. S. Han, **N. Crespi**, R. Farahbakhsh, and C. Chen. Link prediction for new users in Social Networks. In IEEE, editor, *ICC 2015 : IEEE International Conference on Communications*, pages 1250–1255, 2015.
- [139] X. Han, L. Wang, S. Park, **N. Crespi**, and A. Cuevas Rumin. Alike people, alike interests ? A large-scale study on interest similarity in social networks. In IEEE, editor, *ASONAM 2014 : IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining*, pages 491–496, 2014.

- [140] A. F. Hanif, H. Tembine, M. Assaad, and **D. Zeghlache**. Distributed transmit beamforming with 1-bit feedback for LoS-MISO channels. In IEEE, editor, *SPAWC 2013 : 14th IEEE International Workshop on Signal Processing Advances in Wireless Communications*, pages 455–459, 2013.
- [141] H. Hashem and **D. Ranc**. Predicate-based cloud computing. In IEEE, editor, *NGMAST 2014 : 8th International Conference on Next Generation Mobile Apps, Services and Technologies*, pages 131–136, 2015.
- [142] H. Hashem and **D. Ranc**. A review of modeling toolbox for BigData. In IEEE Computer Society, editor, *ICMCIS 2016 : 15th International Conference on Military Communications and Information Systems*, pages 1–6, Los Alamitos, 2016.
- [143] H. Hashem and **D. Ranc**. Data modeling and case-based reasoning for social monitoring. In IEEE Computer Society, editor, *ABA 2016 : International Symposium on Advanced Big Data and Applications*, pages 194–199, Los Alamitos, 2016.
- [144] H. Hashem and **D. Ranc**. Evaluating NoSQL document oriented data model. In IEEE Computer Society, editor, *ICI 2016 : 3rd International Symposium on Intercloud and IoT*, pages 51–56, Los Alamitos, 2016.
- [145] H. Hashem and **D. Ranc**. Extending standard MapReduce algorithms. In IEEE Computer Society, editor, *BIGMM 2016 : 2nd International Conference on Multimedia Big Data*, pages 159–165, Los Alamitos, 2016.
- [146] H. Hasroury, C. Bassil, A. Samhat, and **A. Laouiti**. Group-based authentication in V2V communications. In IEEE, editor, *DICTAP 2015 : 5th International Conference on Digital Information and Communication Technology and its Applications*, pages 173–177, 2015.
- [147] H. Hasroury, C. Bassil, A. Samhat, and **A. Laouiti**. Security risk analysis of a trust model for secure group leader-based communication in VANET. In Springer, editor, *IWVSC 2016 : 2nd International Workshop on Vehicular Adhoc Networks for Smart Cities*, volume 548, pages 71–83, Singapore, 2017.
- [148] H. Hasroury, A. Samhat, C. Bassil, and **A. Laouiti**. Trust model for group leader selection in VANET. In The Society of Digital Information and Wireless Communications, editors, *CSCEET 2017 : 4th International Conference on Computer Science, Computer Engineering, and Education Technologies*, volume 8, n2, pages 139–143, Hong Kong, 2018.
- [149] E. Herbert, D. Migault, S. Séncal, **M. Laurent**, and S. Francfort. Routing tables building methods for increasing DNS(SEC) resolving platforms efficiency. In IEEE, editor, *IMI3 : IFIP/IEEE International Symposium on Integrated Network Management*, pages 824–827, 2013.
- [150] G. Hiet, **H. Debar**, S. Menouar, and V. Houdebine. Etude comparative des formats d'alertes. In C&ESAR, editor, *C&ESAR 2015 : Computer & Electronics Security Applications Rendez-vous : Résilience des systèmes numériques*, pages 125–148, 2015.
- [151] **H. Nguyen**, M. C. Nguyen, E. Georgeaux, L. Martinod, and P. Mège. Group RNTI for multi-users multiplexing radio voice transmission for enhancing voice capacity over LTE in PMR context. In IEEE, editor, *VTC Spring 2015 : 81st Vehicular Technology Conference*, pages 1–5, 2015.
- [152] **H. Nguyen**, C. Nguyen Manh, E. Georgeaux, L. Martinod, and P. Mège. RNTI Aggregation for multi-users multiplexing radio voice transmission for enhancing voice capacity over LTE in PMR context. In IEEE, editor, *VTC Spring 2015 : 81st Vehicular Technology Conference*, pages 1–5, 2015.
- [153] O. Hoceini, **H. Afifi**, and R. Apidjit. A new key management and authentication architecture for ZigBee networks (KAAZ). In CSREA Press, editor, *SAM 2017 : international conference on Security & Management*, pages 39–45, 2017.
- [154] F. Hrizi and **A. Laouiti**. Hierarchical small world overlay for efficient forwarding in volunteer clouds. In IEEE Computer Society, editor, *AINA 2017 : IEEE 31st International Conference on Advanced Information Networking and Applications*, pages 236–243, Los Alamitos, 2017.
- [155] F. Hrizi, **A. Laouiti**, and **H. Chaouchi**. SFR : scalable forwarding with RINA for distributed clouds. In IEEE, editor, *NOF 2015 : 6th International Conference on the Network of the Future*, pages 1–6, 2015.
- [156] F. Hrizi, K. Toumi, and **A. Laouiti**. Trust-BZB : towards a trust-driven routing in vehicular networks. In Springer, editor, *IWVSC 2016 : 2nd International Workshop on Vehicular Adhoc Networks for Smart Cities*, volume 548, pages 85–96, Singapore, 2017.
- [157] D. Hussein Ali, N. S. Han, X. Han, **N. Crespi**, and G. M. Lee. A framework for social device networking. In IEEE, editor, *IoTIP13 : International workshop on Internet of Things : Ideas and Perspectives*, pages 356–360, 2013.
- [158] D. Hussein Ali, S. Park, and **N. Crespi**. A cognitive context-aware approach for adaptives services provisioning in Social Internet of Things. In IEEE, editor, *ICCE 2015 : International Conference on Consumer Electronics*, pages 192–193, 2015.
- [159] H. Ibn Khedher, E. M. A. E. Abousabaa, and **H. Afifi**. OMAC : Optimal Migration Algorithm for virtual CDN. In IEEE, editor, *ICT 2016 : 23rd International Conference on Telecommunications*, pages 1–6, 2016.

- [160] H. Ibn Khedher, E. M. A. E. Abousabea, **H. Afifi**, and J. Forestier. Network issues in virtual machine migration. In IEEE, editor, *ISNCC 2015 : International Symposium on Networks, Computers and Communications*, pages 1–6, IEEE, 2015.
- [161] H. Ibn Khedher, M. Hadji, E. M. A. E. Abousabea, A. E. Kamal, and **H. Afifi**. Scalable and cost efficient algorithms for virtual CDN migration. In IEEE Computer Society, editor, *LCN 2016 : 41st IEEE Conference on Local Computer Networks*, pages 112–120, Los Alamitos, 2016.
- [162] H. Ibn Khedher, **H. Afifi**, and A. E. Kamal. Service placement in complex active networks. In IEEE Computer Society, editor, *ICCCN 2017 : 26th International Conference on Computer Communications and Networks*, pages 1–9, Los Alamitos, 2017.
- [163] H. Ibn Khedher, **H. Afifi**, and H. Moustafa. Optimal Placement Algorithm (OPA) for IoT over ICN. In IEEE Computer Society, editor, *INFOCOM NOM 2017 : Named-Oriented Mobility : Architectures, Algorithms, and Applications workshop*, pages 254–259, Los Alamitos, 2017.
- [164] S. Ikken, **E. Renault**, A. Barkat, M. T. Kechadi, and A. Tari. Cost-efficient big intermediate data placement in a collaborative cloud storage environment. In IEEE Computer Society, editor, *HPCC 2017 : 19th international conference on High Performance Computing and Communications*, pages 514–521, Los Alamitos, 2017.
- [165] S. Ikken, **E. Renault**, A. Barkat, A. Tari, and M. T. Kechadi. Efficient intermediate data placement in federated cloud data centers storage. In Springer, editor, *MSPN 2016 : 2nd International Conference on Mobile, Secure, and Programmable Networking*, pages 1–15, Cham, 2016.
- [166] S. Ikken, **E. Renault**, M. T. Kechadi, and A. Tari. Toward scheduling I/O request of Mapreduce tasks based on Markov model. In Springer international publishing, editor, *MSPN 2015 : First International Conference on Mobile, Secure and Programmable Networking*, pages 78–89, Cham, 2015.
- [167] I. T. Javed, R. Copeland, **N. Crespi**, S. Göndör, M. Emmelmann, K. Corre, A. Bouabdallah, I. Friese, G. Dias, N. Santos, R. Chaves, A. Caldeira, F. Oberle, J.-M. Crom, A. A. Corici, A. Küpper, and F. Beierle. Global identity and reachability framework for interoperable P2P communication services. In IFIP, editor, *ICIN 2016 : 19th Conference on Innovations in Clouds, Internet and Networks*, pages 1–8, 2016.
- [168] I. T. Javed, K. Toumi, and **N. Crespi**. Browser-to-browser authentication and trust relationships for WebRTC. In *UBICOMM 2016 : 10th International Conference on Mobile Ubiquitous Computing, Systems, Services and Technologies*, pages 9–16, 2016.
- [169] I. T. Javed, K. Toumi, and **N. Crespi**. ProtectCall : call protection based on user reputation. In IEEE Computer Society, editor, *TRUSTCOM 2017 : 16th IEEE International Conference on Trust, Security and Privacy in Computing and Communications*, pages 660–667, Los Alamitos, 2017.
- [170] I. T. Javed, K. Toumi, **N. Crespi**, and A. Mohammadinejad. Br2Br : a vector-based trust framework for WebRTC calling services. In IEEE, editor, *HPCC 2016 : 18th International Conference on High Performance Computing and Communications*, pages 522–529, 2016.
- [171] **J. Garcia-Alfaro**, C. Romero-Tris, and J. Rubio-Hernan. Simulaciones software para el estudio de amenazas contra sistemas SCADA. In Universidad de Alicante, editor, *RECSI 2014 : XIII Reunión Española sobre Criptología y Seguridad de la Información*, pages 151–156, 2014.
- [172] H. Jmila, K. Drira, and **D. Zeghlache**. A self-stabilizing framework for dynamic bandwidth allocation in virtual networks. In IEEE Computer Society, editor, *NOMS 2016 : Network Operations and Management Symposium*, pages 69–77, Los Alamitos, 2016.
- [173] H. Jmila, I. Louati-Houidi, and **D. Zeghlache**. RSforEVN : node reallocation algorithm for virtual networks adaptation. In IEEE, editor, *ISCC 2014 : 19th IEEE Symposium on Computers and Communications*, pages 1–8, 2014.
- [174] N. Kaaniche, A. Boudguiga, and **M. Laurent**. ID based cryptography for secure cloud data storage. In IEEE, editor, *CLOUD 2013 : IEEE 6th International Conference on Cloud Computing*, pages 375–382, 2013.
- [175] N. Kaaniche, E. El Moustaine, and **M. Laurent**. A novel zero-knowledge scheme for proof of data possession in cloud storage applications. In IEEE, editor, *CCGRID 2014 : 14th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing*, pages 522–531, 2014.
- [176] N. Kaaniche and **M. Laurent**. A secure client side deduplication scheme in cloud storage environments. In *NTMS 2014 : 6th International Conference on New Technologies, Mobility and Security*, pages 1–7, 2014.
- [177] N. Kaaniche and **M. Laurent**. SHoPS : Set Homomorphic Proof of data Possession Scheme in cloud storage applications. In *Services 2015 : IEEE World Congress on Services*, pages 143–150, 2015.
- [178] N. Kaaniche and **M. Laurent**. Attribute-based signatures for supporting anonymous certification . In Springer international publishing, editor, *ESORICS 2016 : 21st European Symposium on Research in Computer Security*, pages 279–300, Cham, 2016.

- [179] N. Kaaniche and **M. Laurent**. A blockchain-based data usage auditing architecture with enhanced privacy and availability. In IEEE Computer Society, editor, *NCA 2017 : 16th IEEE International Symposium on Network Computing and Applications*, pages 1–5, Los Alamitos, 2017.
- [180] N. Kaaniche and **M. Laurent**. Attribute based encryption for multi-level access control policies. In Scitepress, editor, *SECRYPT 2017 : 14th International Conference on Security and Cryptography*, volume 6, pages 67–78, Setúbal, 2017.
- [181] N. Kaaniche and **M. Laurent**. A Blockchain-based Access Control Scheme. In *15th International Conference on Security and Cryptography, SECRYPT 2018*, 2018.
- [182] N. Kaaniche, **M. Laurent**, and S. Canard. A novel proof of data possession scheme based on set-homomorphic operations. In *SEC2 2016 : 2e atelier sur la Sécurité dans les Clouds*, pages 1–4, 2016.
- [183] N. Kaaniche, **M. Laurent**, and M. El Barbori. CloudaSec : a novel public-key based framework to handle data sharing security in clouds. In Scitepress, editor, *SECRYPT 2014 : 11th International Conference on Security and Cryptography*, pages 5–18, 2014.
- [184] N. Kaaniche, **M. Laurent**, P. O. Rocher, **J. Garcia-Alfaro**, and C. Kiennert. PCS, a privacy-preserving certification scheme. In Springer, editor, *DPM 2017 : 12th International Workshop on Data Privacy Management*, pages 239–256, Cham, 2017.
- [185] N. Kaaniche, M. Mohamed, **M. Laurent**, and H. Ludwig. Security SLA based monitoring in clouds. In IEEE Computer Society, editor, *EDGE 2017 : 1st International Conference on Edge Computing*, pages 90–97, Los Alamitos, 2017.
- [186] S. Karbalay Mohammadi Dastjerdi, R. Farahbakhsh, and **N. Crespi**. Popularity evolution of professional users on Facebook. In IEEE Computer Society, editor, *IEEE ICC*, pages 1–6, Los Alamitos, 2017.
- [187] I. Khan, M. Aazam, E. Ahvar, **N. Crespi**, and R. Glitho. Context-aware Emergency Notification Service over 4G EPC network : concept and design. In IEEE, editor, *VTC Spring 2015 : 81st IEEE Vehicular Technology Conference*, pages 1–4, 2015.
- [188] I. Khan, F. Belqasmi, R. Glitho, and **N. Crespi**. A Multi-layer architecture for wireless sensor network virtualization. In IEEE, editor, *WMNC13 : 6th Joint IFIP Wireless and Mobile Networking Conference*, pages 1–4, 2013.
- [189] I. Khan, F. Z. Errourda, S. Yangui, **N. Crespi**, and R. Glitho. Getting virtualized Wireless Sensor Networks-IaaS ready for PaaS. In IEEE, editor, *DCOSS 2015 : International Conference on Distributed Computing in Sensor Systems*, pages 224–229, 2015.
- [190] I. Khan, R. Jafrin, F. Z. Errourda, **N. Crespi**, P. Polakos, M. Morrow, and R. Glitho. A data annotation architecture for semantic applications in virtualized wireless sensor networks . In IFIP-IEEE, editor, *IM 2015 : 14th IFIP/IEEE Symposium on Integrated Network and Service Management*, pages 27–35, 2015.
- [191] A. Khatchatourov, **M. Laurent**, and C. Levallois-Barth. Privacy in digital identity systems : models, assessment and user adoption. In Springer international publishing, editor, *EGOV 2015 : 14th IFIP WG 8.5 International Conference*, pages 273–290, Cham, 2015.
- [192] A. Khatchatourov, **M. Laurent**, and M. Sellami. Pseudonymisation, identités multiples et protection des données à caractère personnel dans le champ des identités numériques : quelques aspects du paysage européen . In *5ème Atelier sur la Protection de la Vie Privée*, 2014.
- [193] S. Khebbache, M. Hadji, and **D. Zeghlache**. Scalable and cost-efficient algorithms for VNF chaining and placement problem. In IEEE Computer Society, editor, *ICIN 2017 : 20th Conference on Innovations in Clouds, Internet and Networks*, pages 92–99, Los Alamitos, 2017.
- [194] S. Khebbache, M. Hadji, and **D. Zeghlache**. A multi-objective non-dominated sorting genetic algorithm for VNF chains placement. In IEEE Computer Society, editor, *CCNC 2018 : 15th IEEE Annual Consumer Communications & Networking Conference*, Las Vegas, NV, USA, 2018.
- [195] H. Khedher, E. Abd-Elrahman, **H. Afifi**, and **M. Marot**. Optimal and cost efficient algorithm for virtual CDN orchestration. In IEEE Computer Society, editor, *LCN 2017 : 42nd IEEE Conference on Local Computer Networks*, pages 61–69, Los Alamitos, 2017.
- [196] H. Khedher, **H. Afifi**, and A. E. Kamal. cement in complex active networks. In IEEE Computer Society, editor, *ICCCN 2017 : 26th International Conference on Computer Communications and Networks*, pages 1–9, Los Alamitos, 2017.
- [197] H. Khedher, **H. Afifi**, and H. Moustafa. Optimal Placement Algorithm (OPA) for IoT over ICN. In IEEE Computer Society, editor, *INFOCOM NOM 2017 : Named-Oriented Mobility : Architectures, Algorithms, and Applications workshop*, pages 254–259, Los Alamitos, 2017.

- [198] N. Kheir, G. Blanc, **H. Debar**, D. Yang, and **J. Garcia-Alfaro**. Automated classification of C&C connections through malware URL clustering. In Springer, editor, *2015 SEC : 30th IFIP International Conference on ICT Systems Security and Privacy Protection*, volume 455, pages 252–266, 2015.
- [199] G. Khodabandehlou, **V. Gauthier**, M. El Yacoubi, and M. Fiore. Population estimation from mobile network traffic metadata. In IEEE, editor, *WOWMOM 2016 : 17th International symposium on a world of wireless, mobile and multimedia networks*, pages 1–9, 2016.
- [200] I. Koufi, **A. Laouiti**, and B. Wehbi. TAR channel access mechanism : a study of a highway ramp car merge case. In IEEE, editor, *NTMS 2014 : 6th International Conference on New Technologies, Mobility and Security*, pages 1–5, 2014.
- [201] I. Koufi, M. Hadded, P. Minet, and **A. Laouiti**. Optimized trajectories of multi-robot deploying wireless sensor nodes. In IEEE, editor, *WIMOB 2015 : 11th International Conference on Wireless and Mobile Computing, Networking and Communications*, pages 724–731, 2015.
- [202] I. Koufi, E. Livolant, P. Minet, **A. Laouiti**, and M. Hadded. Optimized trajectory of a robot deploying wireless sensor nodes . In IEEE, editor, *WD 2014 : IFIP Wireless Days*, pages 1–6, 2014.
- [203] I. Koufi, P. Minet, and **A. Laouiti**. Fault-tolerant and constrained relay node placement in wireless sensor networks. In IEEE Computer Society, editor, *MASS 2016 : 13th International Conference on Mobile Ad-hoc and Sensor Systems*, pages 127–135, Los Alamitos, 2016.
- [204] I. Koufi, P. Minet, and **A. Laouiti**. OA-DVFA : a distributed virtual forces-based algorithm to monitor an area with unknown obstacles. In IEEE, editor, *CCNC 2016 : 13th Consumer Communications & Networking Conference*, pages 1036–1041, 2016.
- [205] I. Koufi, P. Minet, **A. Laouiti**, and E. Livolant. A simple method for the deployment of wireless sensors to ensure full coverage of an irregular area with obstacles. In ACM, editor, *MSWiM 2014 : 17th ACM international conference on Modeling, analysis and Simulation of Wireless and Mobile systems*, pages 203–210, 2014.
- [206] C. Kiennert, N. Kaaniche, **M. Laurent**, **J. Garcia-Alfaro**, and P.-O. Rocher. Anonymous Certification for an e-Assessment Framework. In *22nd Nordic Conference on Secure IT Systems (NordSec 2017)*, pages 70–85, 2017.
- [207] C. Kiennert, P. O. Rocher, M. Ivanova, M. Durcheva, **J. Garcia-Alfaro**, and R. Ana. Security Challenges in e-Assessment and Technical Solutions. In *8th International workshop on Interactive Environments and Emerging Technologies for eLearning, 21st International Conference on Information Visualization, London, UK, July 2017*, 2017.
- [208] P. Kirci, **H. Chaouchi**, and **A. Laouiti**. Cluster-based protocol structures in WSNs. In IEEE, editor, *IWSSIP 2014 : 21st International Conference on Systems, Signals and Image Processing*, pages 183–186, 2014.
- [209] P. Kirci, **H. Chaouchi**, and **A. Laouiti**. Wireless sensor networks and efficient localisation. In IEEE, editor, *FICLOUD 2014 : International Conference on Future Internet of Things and Cloud*, pages 98–100, 2014.
- [210] M. Kolomeec, G. D. Gonzalez Granadillo, E. Doynikova, I. Kotenko, **H. Debar**, and A. Chechulin. Choosing models for security metrics visualization. In Springer, editor, *MMM-A CNS 2017 : International Conference on Mathematical Methods, Models, and Architectures for Computer Network Security*, pages 75–87, Cham, 2017.
- [211] A. Lahbib, K. Toumi, S. Elleuch, S. Martin, and **A. Laouiti**. Link reliable and trust aware RPL routing protocol for Internet of Things. In IEEE Computer Society, editor, *NCA 2017 : 16th IEEE International Symposium on Network Computing and Applications*, pages 1–5, Los Alamitos, 2017.
- [212] T. A. Le and **H. Nguyen**. Performance evaluation of application-aware cost function for scalable video multicast streaming services on overlay networks. In IEEE, editor, *LATINCOM 2013 : 5th IEEE Latin-American Conference on Communications*, pages 1–6, 2013.
- [213] Y. Le Louedec, A. Cuevas Rumin, D. De Vleeschlauwer, **N. Crespi**, D. Hausheer, E. Yoneki, C. Venezia, K. Satzke, and J. Widmer. eCOUSIN : enhanced COntent distribUtion with Social INformation. In *Future Network & Mobile Summit 2013*, 2013.
- [214] Y. Le Louedec, P. Truong, B. Mathieu, R. Cuevas Rumin, J. Widmer, A. Cuevas Rumin, I. Rimac, J. Rueckert, F. L. Mondin, C. Giannelli, P. Bellavista, E. Yoneki, C. A. Licciardi, C. Venezia, D. Hausheer, K. Satzke, **N. Crespi**, D. De Vleeschlauwer, and L. Le Beller. Social-content revolution. A vision for the future social oriented networking. In *W3C : Workshop on Social Standards : The Future of Business*, 2013.
- [215] O. Levillain, B. Gourdin, and **H. Debar**. TLS record protocol : security analysis and defense-in-depth counter-measures for HTTPS. In ACM, editor, *ASIA CCS 2015 : 10th ACM Symposium on Information, Computer and Communications Security*, pages 225–236, New York, 2015.
- [216] O. Levillain, **H. Debar**, and B. Morin. Parsifal : writing efficient and robust binary parsers, quickly. In IEEE, editor, *CRiSIS 2013 : International Conference on Risks and Security of Internet and Systems*, pages 1–6, 2013.

- [217] J. Li, L. Wang, **Z. Zhang**, and X. Niu. Novel constructions of cramer-shoup like cryptosystems based on index exchangeable family. In *Proceedings of the 11th ACM on Asia Conference on Computer and Communications Security, AsiaCCS 2016, Xi'an, China, May 30 - June 3, 2016*, pages 895–900, 2016.
- [218] Y. Liu, C. Zuo, **Z. Zhang**, X. Xinshun, and G. Shanqing. An automatically vetting mechanism for SSL error-handling vulnerability in android hybrid Web apps. *World wide web*, 21:127–150, Jan 2018.
- [219] J. E. Lopez Coronado, N. Kushik, and **D. Zeghlache**. Quality estimation of virtual machine placement in cloud infrastructures. In Springer, editor, *ICTSS 2017 : 19th International Conference on Testing Software and Systems*, pages 213–229, Cham, 2017.
- [220] J. E. Lopez Coronado, N. Kushik, N. Yevtushenko, and **D. Zeghlache**. Analyzing and validating virtual network requests. In Scitepress, editor, *ICSOFT 2017 : 12th International Conference on Software Technologies*, pages 441–446, Setúbal, 2017.
- [221] S. Mahfoudh, I. Khoufi, P. Minet, and **A. Laouiti**. Relocation of mobile wireless sensors in the presence of obstacles. In IEEE, editor, *ICT 2013 : 20th International Conference on Telecommunications*, pages 1–5, 2013.
- [222] S. Mahfoudh, I. Khoufi, P. Minet, and **A. Laouiti**. GDVFA : a distributed algorithm based on grid and virtual forces for the redeployment of WSNs. In IEEE, editor, *WCNC 2014 : Wireless Communications and Networking Conference*, pages 3040–3045, 2014.
- [223] A. Manzalini, R. Minerva, E. Kaempfer, A. Campi, **N. Crespi**, Y. Tock, K. Casier, D. Colle, R. Munoz, E. Maini, N. Mazzocca, R. Martinez, R. Casellas, R. Vilalta, S. Verbrugge, W. Tavernier, E. Dekel, W. Cerroni, and F. Callegati. Manifesto of edge ICT fabric. In IEEE, editor, *ICIN 2013 : 17th International Conference on Intelligence in Next Generation*, pages 9–15, 2013.
- [224] A. Manzalini and **N. Crespi**. SDN and NFV for network cloud computing : a universal operating system for SD infrastructures. In IEEE, editor, *NCCA 2015 : 4th Symposium on Network Cloud Computing and Applications*, pages 1–6, 2015.
- [225] P. Marillonnet, M. Ates, and **M. Laurent**. Etat de l'art des technologies de la gestion des données personnelles par l'usager . In *APVP 2018 : Atelier sur la Protection de la Vie Privée*, 2018.
- [226] S. Martinez, **J. Garcia-Alfaro**, F. Cuppens, J. Cabot, and N. Cappens-Boulahia. Model-driven extraction and analysis of network security policies. In Springer-Verlag, editor, *MODELS 2013 : 16th International Conference on Model Driven Engineering Languages and Systems*, pages 52–68, Berlin Heidelberg, 2013.
- [227] S. Martinez, **J. Garcia-Alfaro**, F. Cappens, J. Cabot, and N. Cappens-Boulahia. Towards an access-control metamodel for web content management systems. In Springer international publishing, editor, *MDWE 2013 : 9th Model-Driven and Agile Engineering for the Web Workshop*, pages 148–155, Cham, 2013.
- [228] S. Martinez, **J. Garcia-Alfaro**, F. Cappens, J. Cabot, and N. Cappens-Boulahia. Model-driven integration and analysis of access-control policies in multi-layer information systems. In Springer international publishing, editor, *SEC 2015 : 30th IFIP TC-11 International Conference on ICT Systems on Security and Privacy Protection*, pages 218–233, Cham, 2015.
- [229] S. Martinez-Bea, S. Castillo-Perez, and **J. Garcia-Alfaro**. Real-time malicious fast-flux detection using DNS and bot related features. In IEEE, editor, *PST 2013 : 11th International Conference on Privacy, Security and Trust*, pages 369–372, 2013.
- [230] M. Mechtri, **D. Zeghlache**, E. Zekri, and J. Marshall. Inter and intra cloud networking gateway as a service. In IEEE, editor, *CloudNet 2013 : 2nd IEEE International Conference on Cloud Networking*, pages 156–163, 2013.
- [231] M. Mechtri, C. Ghribi, and **D. Zeghlache**. VNF placement and chaining in distributed cloud. In IEEE Computer Society, editor, *CLOUD 2016 : 9th IEEE International Conference on Cloud Computing*, pages 376–383, Los Alamitos, 2016.
- [232] M. Mechtri, C. Ghribi, O. Soualah, and **D. Zeghlache**. ETSO : End-To-end SFC Orchestration framework. In IEEE Computer Society, editor, *IM 2017 : IFIP/IEEE Symposium on Integrated Network and Service Management*, pages 903–904, Los Alamitos, 2017.
- [233] M. Mechtri, I. Grida Ben Yahia, and **D. Zeghlache**. Agile service manager for 5G. In IEEE Computer Society, editor, *NOMS 2016 : Network Operations and Management Symposium*, pages 1285–1290, Los Alamitos, 2016.
- [234] H. Medhioub, B. Msekni, and **D. Zeghlache**. OCNI : Open Cloud Networking Interface. In IEEE, editor, *ICCCN 2013 : 22nd International Conference on Computer Communications and Networks*, pages 1–8, 2013.
- [235] D. Migault, S. Francfort, S. Sénecal, **M. Laurent**, and E. Herbert. Overcoming DNSSEC performance issues with DHT-based architectures. In IEEE, editor, *IM13 : IFIP/IEEE International Symposium on Integrated Network Management*, pages 816–819, 2013.

- [236] D. Migault, T. Guggemos, D. Palomares, **M. Laurent**, J.-P. Wary, and A. Wailly. Recommendations for IPsec configuration on homenet and M2M devices. In ACM, editor, *Q2SWINET 2015 : 11th ACM International Symposium on QoS and Security for Wireless and Mobile Networks*, pages 9–17, New York, 2015.
- [237] D. Migault, D. Palomares, H. Hendrik, and **M. Laurent**. Secure IPsec based offload architectures for mobile data : architecture description and performance evaluation. In ACM, editor, *Q2SWINET 2014 : 10th international symposium on QoS and security for wireless and mobile networks*, pages 95–104, 2014.
- [238] D. Migault, S. Sénéchal, S. Francfort, **M. Laurent**, and E. Herbert. PREFETCHing to overcome DNSSEC deployment over large resolving platforms. In IEEE, editor, *TRUSTCOM 2013 : 12th IEEE International Conference on Trust, Security and Privacy in Computing and Communications*, pages 694–703, 2013.
- [239] P. Minet, **E. Renault**, I. Khoufi, and S. Boumerdassi. Data Analysis of a Google Data Center. In IEEE Computer Society, editor, *CCGrid 2018 : IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing*, Washington, DC, USA, 2018.
- [240] P. Minet, I. Khoufi, and **A. Laouiti**. Increasing reliability of a TSCH Network for the industry 4.0. In IEEE Computer Society, editor, *NCA 2017 : 16th IEEE International Symposium on Network Computing and Applications*, pages 1–10, Los Alamitos, 2017.
- [241] **M. Laurent**, S. Bouzefrane, and C. Kiennert. Towards a secure identity management in smartphone environments. In IEEE, editor, *SSO 2013 : International Workshop on Secure Smart Objects*, pages 2133–2135, 2013.
- [242] A. Mohammadinejad, R. Farahbakhsh, and **N. Crespi**. Employing personality feature to rank the influential users in signed networks. In IEEE, editor, *SOCIALCOM 2016 : 9th International Conference on Social Computing and Networking*, pages 346–353, 2016.
- [243] K. Monteiro, **M. Marot**, and H. Ibn-Khedher. Review on microgrid communications solutions : a named data networking : fog approach. In IEEE Computer Society, editor, *MED-HOC-NET 2017 : 16th Annual Mediterranean Ad Hoc Networking Workshop*, pages 1–8, Los Alamitos, 2017.
- [244] C. I. Mtita, **M. Laurent**, and P. Daragon. Serverless lightweight mutual authentication protocol for small mobile computing devices. In IEEE, editor, *NTMS 2015 : 7th International Conference on New Technologies, Mobility and Security*, pages 1–5, 2015.
- [245] C. I. Mtita, **M. Laurent**, D. Sauveron, K. Markantonakis, S. Chaumette, and R. N. Akram. Serverless protocols for inventory and tracking with a UAV. In IEEE Computer Society, editor, *DASC 2017 : IEEE/AIAA 36th Digital Avionics Systems Conference*, pages 1–11, Los Alamitos, 2017.
- [246] L. Nachabe Ismail, B. El Hassan, D. Al Mouhammad, and **M. Girod-Genet**. Intelligent system for diabetes patients monitoring and assistance. In IEEE Computer Society, editor, *ICABME 2017 : 4th International Conference on Advances in Biomedical Engineering*, pages 1–4, Los Alamitos, 2017.
- [247] L. Nachabe Ismail, **M. Girod-Genet**, B. El-Hassan, and F. Aro. Applying ontology to WBAN for mobile application in the context of sport exercises. In ICST, editor, *BODYNETS 2014 : 9th International Conference on Body Area Networks*, pages 204–209, Bruxelles, 2014.
- [248] L. Nachabe Ismail, **M. Girod-Genet**, B. El Hassan, and J. Jammas. M-health application for neonatal incubator signals monitoring through a CoAP-based multi-agent system. In *ICABME 2015 : 3rd International Conference on Advances in Biomedical Engineering*, 2015.
- [249] L. Nachabe Ismail, **M. Girod-Genet**, B. El Hassan, and J. Khawaja. Ontology based Tele-health Smart Home Care System : ontosmart to monitor elderly. In AIRCC Publishing Corporation, editor, *CoNeCo 2016 : 8th International Conference on Computer Networks & Communications*, pages 43–59, Chennai, 2016.
- [250] D. H. Nguyen and **H. Nguyen**. An improved Log-MAP algorithm based on polynomial regression function for LTE Turbo decoding. In IEEE, editor, *ICCW 2015 : International Conference on Communications*, pages 2163–2167, 2015.
- [251] D. H. Nguyen and **H. Nguyen**. A dynamic rate adaptation algorithm using WB E-model for voice traffic over LTE network. In IFIP-IEEE, editor, *WD 2016 : IFIP Wireless Days Conference*, pages 1–6, 2016.
- [252] D. H. Nguyen, **H. Nguyen**, and **E. Renault**. A new non-intrusive assessment method for VoLTE quality based on extended E-model. In Springer, editor, *MSPN 2016 : 2nd international conference on Mobile, Secure and Programmable Networking*, pages 122–136, Cham, 2016.
- [253] D. H. Nguyen, **H. Nguyen**, and **E. Renault**. E-MQS : a new downlink scheduler for real-time flows in LTE network. In IEEE Computer Society, editor, *VTC FALL 2016 : 84th Vehicular Technology Conference*, pages 1–5, Los Alamitos, 2016.
- [254] D. H. Nguyen, **H. Nguyen**, and **E. Renault**. Performance evaluation of E-MQS scheduler with mobility in LTE heterogeneous network. In IEEE Computer Society, editor, *ICC 2017 : IEEE International Conference on Communications*, pages 1–6, Los Alamitos, 2017.

- [255] K. T. Nguyen, N. Ouahla, and **M. Laurent**. Authenticated key agreement mediated by a proxy re-encryptor for the Internet of Things . In Springer international publishing, editor, *ESORICS 2016 : 21st European Symposium on Research in Computer Security*, pages 339–358, Cham, 2016.
- [256] K. T. Nguyen, N. Ouahla, and **M. Laurent**. Novel lightweight signcryption-based key distribution mechanisms for MIKEY. In IFIP ; Springer, editor, *WISTP 2016 : 10th International Conference on Information Security Theory and Practice*, pages 19–34, 2016.
- [257] K. T. Nguyen, N. Oualha, and **M. Laurent**. Lightweight certificateless and provably-secure signcryptosystem for the internet of things. In IEEE, editor, *TRUSTCOM 2015 : 14th IEEE International Conference on Trust, Security and Privacy in Computing and Communications*, pages 467–474, 2015.
- [258] M. C. Nguyen, **H. Nguyen**, E. Georgeaux, L. Martinod, A. A. Florea, and P. Mège. Scheduling for multi-users multiplexing radio voice transmission for enhancing voice capacity over LTE in PMR context. In IEEE, editor, *WCNC 2015 : Wireless Communications and Networking Conference*, pages 1267 –1272, ETATS UNIS, 2015.
- [259] M. C. Nguyen, **H. Nguyen**, E. Georgeaux, L. Martinod, and P. Mège. CDMA-OFDM combination method for enhancing capacity of voice over LTE uplink in PMR context. In IEEE, editor, *WCNC 2015 : Wireless Communications and Networking Conference*, pages 658–662, 2015.
- [260] M. C. Nguyen, **H. Nguyen**, E. Georgeaux, L. Martinod, and P. Mège. Adaptive physical resource block design for enhancing voice capacity over LTE network in PMR context. In IEEE, editor, *PIMRC 2016 : 27th International Symposium on Personal, Indoor and Mobile Radio Communications*, pages 1–5, 2016.
- [261] M. Q. Nguyen and **H. Nguyen**. Joint effect of channel coding and AMR compression on speech quality. In Institution of Engineering and Technology, editors, *WICOM 2015 : 11th International Conference on Wireless Communications, Networking and Mobile Computing*, pages 291–295, London ; Oxford, 2015.
- [262] M. Q. Nguyen, **H. Nguyen**, **E. Renault**, and P. T. Do. Joint source-channel coding with adaptation. In IEEE, editor, *ICCE 2016 :6th International Conference on Communications and Electronics*, pages 77–81, 2016.
- [263] M. Q. Nguyen, **H. Nguyen**, **E. Renault**, and Y. Ji. Hybrid digital-analog source-channel coding with adaptation. In IEEE Computer Society, editor, *CCNC 2017 : 14th IEEE Consumer Communications & Networking Conference*, pages 957–962, Los Alamitos, 2017.
- [264] M. Q. Nguyen, **H. Nguyen**, **E. Renault**, and Y. Ji. Hybrid source-channel coding with bandwidth expansion for speech data. In IEEE Computer Society, editor, *VTC Spring 2017 : IEEE 85th Vehicular Technology Conference*, pages 1–5, Los Alamitos, 2017.
- [265] C. Nguyen Manh, **H. Nguyen**, A. A. Florea, L. Martinod, E. Georgeaux, and P. Mège. Architecture for multi-users multiplexing radio voice transmission for enhancing voice capacity over LTE in PMR context. In IEEE, editor, *PIMRC 2014 : IEEE 25th Annual International Symposium on Personal, Indoor, and Mobile Radio Communication*, pages 1459–1463, 2014.
- [266] A. M. Ortiz, F. Royo, T. Olivares, L. Orozco Barbosa, and **N. Crespi**. Smart wireless design scheme : fuzzy-logic routing and TDMA MAC protocol integration. In ACM, editor, *MOBIWAC 2013 : 11th ACM International Symposium on Mobility Management and Wireless Access*, pages 81–88, New York, 2013.
- [267] D. Palomares, D. Migault, H. Hendrik, and **M. Laurent**. Elastic virtual private cloud. In ACM, editor, *Q2SWINET 2014 : 10th international symposium on QoS and security for wireless and mobile networks*, pages 127–131, 2014.
- [268] D. Palomares, D. Migault, and **M. Laurent**. Failure preventive mechanism for IPsec gateways. In IEEE, editor, *ICCIT13 : The Third International Conference on Communications and Information Technology*, pages 167–172, 2013.
- [269] D. Palomares, D. Migault, W. Velasquez, and **M. Laurent**. High availability for IPsec VPN platforms : clusterIP evaluation. In IEEE, editor, *ARES 2013 : 8th International Conference on Availability, Reliability and Security*, pages 178–187, 2013.
- [270] E. Papagiannakopoulou, M. Koukovini, G. Lioudakis, **J. Garcia-Alfaro**, I. Venieris, F. Cuppens, N. Cuppens-Boulahia, D. Kaklamani, and N. Dellas. Leveraging ontologies upon a holistic privacy-aware access control model. In Springer international publishing, editor, *FPS 2013 : 6th International Symposium on Foundations and Practice of Security*, pages 209–226, Cham, 2013.
- [271] S. Park, D. Hussein Ali, and **N. Crespi**. On-site service discovery along user roaming over Internet of Things. In IEEE, editor, *ICCE 2015 : International Conference on Consumer Electronics*, pages 194–195, 2015.
- [272] S. Park, **N. Crespi**, S. Oh, and S.-H. Kim. Overlay multicast protocol with proxy districts for dynamic wireless sensor networks. In IEEE, editor, *NCA 2013 : 12th IEEE International Symposium on Network Computing and Applications*, pages 187–194, 2013.
- [273] S. Park, **N. Crespi**, H. Park, and S.-H. Kim. IoT routing architecture with autonomous systems of things. In IEEE, editor, *WF-IOT 2014 : IEEE World Forum on Internet of Things*, pages 442–445, 2014.

- [274] M. Pattaranantakul, R. He, A. Meddahi, and **Z. Zhang**. Secmano : Towards network functions virtualization (NFV) based security management and orchestration. In *2016 IEEE Trustcom/BigDataSE/ISPA, Tianjin, China, August 23-26, 2016*, pages 598–605, 2016.
- [275] M. Pattaranantakul, Y. Tseng, R. He, **Z. Zhang**, and A. Meddahi. A first step towards security extension for NFV orchestrator. In *Proceedings of the ACM International Workshop on Security in Software Defined Networks & Network Function Virtualization, SDN-NFVSec@CODASPY 2017, Scottsdale, Arizona, USA, March 24, 2017*, pages 25–30, 2017.
- [276] I. Paudel and **B. Jouaber**. I-DCF : improved DCF for channel access in IEEE 802.11 wireless networks. In IEEE, editor, *VTC2014-Spring : IEEE 79th Vehicular Technology Conference*, pages 1–5, 2014.
- [277] I. Paudel, J. Pokhrel, B. Wehbi, **B. Jouaber**, and A. R. Cavalli. Estimation of video QoE from MAC parameters in wireless network : a Random Neural Network approach. In IEEE, editor, *ISCIT 2014 : 14th International Symposium on Communications and Information Technologies*, pages 51–55, 2014.
- [278] J. Pokhrel, I. Paudel, B. Wehbi, **B. Jouaber**, and A. R. Cavalli. Performance evaluation of video transmission over 802.11n wireless network : a MAC layer perspective. In IEEE, editor, *SaCoNeT 2014 : 5th International Conference on Smart Communications in Network Technologies*, pages 1–6, 2014.
- [279] S. Poretta, M. Barbeau, **J. Garcia-Alfaro**, and E. Kranakis. Learning to Communicate Underwater (An exploration of Limited Mobility Agents in Underwater Acoustic Sensor Networks. In *WUWNet 2017 : 12th ACM International Conference on Underwater Networks & Systems*, Halifax, 2017.
- [280] S. Pukkawanna, Y. Kadobayashi, G. Blanc, **H. Debar**, and **J. Garcia-Alfaro**. Classification of SSL servers based on their SSL handshake for automated security assessment. In IEEE, editor, *BADGERS 2014 : 3rd International Workshop on Building Analysis Datasets and Gathering Experience Returns for Security*, pages 30–39, 2014.
- [281] P. Rajapaksha, R. Farahbakhsh, S. Karbalay Mohammadi Dastjerdi, **N. Crespi**, and M. N. Dailey. Video content delivery enhancement in CDNs based on usersocial information. In IEEE Computer Society, editor, *GLOBECOM 2016 : IEEE Global Communications Conference*, pages 1–6, Los Alamitos, 2016.
- [282] P. Rajapaksha, R. Farahbakhsh, and **N. Crespi**. Identifying content originator in social networks. In IEEE Computer Society, editor, *GLOBECOM 2017 : IEEE International Conference on Global Communications*, pages 1–7, Los Alamitos, 2017.
- [283] J. Rubio-Hernan, L. De Cicco, and **J. Garcia-Alfaro**. Event-triggered watermarking control to handle cyber-physical integrity attacks. In Springer, editor, *NORDSEC 2016 : 21st Nordic Conference on Secure IT Systems*, pages 3–19, Cham, 2016.
- [284] J. Rubio-Hernan, L. De Cicco, and **J. Garcia-Alfaro**. Revisiting a watermark-based detection scheme to handle cyber-physical attacks. In IEEE Computer Society, editor, *ARES 2016 : 11th International Conference on Availability, Reliability and Security*, pages 21–28, Los Alamitos, 2016.
- [285] J. Rubio-Hernan and **J. Garcia-Alfaro**. On the adaptation of physical-layer failure detection mechanisms to handle attacks against SCADA systems. In *Digital trust : 1st Symposium on Digital Trust in Auvergne*, 2014.
- [286] J. Rubio-Hernan, J. Rodolfo-Mejias, and **J. Garcia-Alfaro**. Security of cyber-physical systems : from theory to testbeds and validation. In Springer, editor, *CYBERICPS 2016 : 2nd Workshop on the Security of Industrial Control Systems & Cyber-Physical Systems*, pages 3–18, Cham, 2016.
- [287] J. Rubio-Hernan, J. Rodolfo-Mejias, and **J. Garcia-Alfaro**. Security of cyber-physical systems : from theory to testbeds and validation. In Springer, editor, *CYBERICPS 2016 : 2nd Workshop on the Security of Industrial Control Systems & Cyber-Physical Systems*, pages 3–18, Cham, 2017.
- [288] R. Sahay, G. Blanc, **Z. Zhang**, and **H. Debar**. Towards autonomic DDoS mitigation using Software Defined Networking. In Internet society, editor, *SENT 2015 : NDSS Workshop on Security of Emerging Networking Technologies*, 2015.
- [289] R. Sahay, **G. Blanc**, **Z. Zhang**, **H. Debar**, and K. Toumi. Adaptive policy-driven attack mitigation in SDN. In ACM, editor, *XDOMO 2017 : 1st International Workshop on Security and Dependability of Multi-Domain Infrastructures*, pages 04–1–04–6, New York, 2017.
- [290] M. Salaun, M. Daubignard, and **H. Debar**. StemJail : dynamic role compartmentalization. In ACM, editor, *ASIA CCS 2016 : 11th Asia Conference on Computer and Communications Security*, pages 865–876, New York, 2016.
- [291] M. S. Saleem and **E. Renault**. A nash-stackelberg multiplicative weighted imitative CODIPAS-RL scheme for data relaying and handover management in wireless networks . In IEEE, editor, *CCNC13 : The 10th Annual IEEE Consumer Communications & Networking Conference*, pages 587–592, 2013.
- [292] Y. Saleem, **N. Crespi**, and P. Pace. SCDIoT : Social Cross-Domain IoT Enabling Application-to-Application Communications. In *2018 IEEE International Conference on Cloud Engineering (IC2E)*, 2018.

- [293] Y. Saleem, **N. Crespi**, M. H. Rehmani, D. Hussein Ali, E. Bertin, and R. Copeland. Exploitation of social IoT for recommendation services. In IEEE Computer Society, editor, *WFiot 2016 : 3rd World Forum on Internet of Things*, pages 359–364, Los Alamitos, 2016.
- [294] J. M. Sanchez Vilchez, I. Grida Ben Yahia, and **N. Crespi**. Self-modeling based diagnosis of Software-Defined Networks. In IEEE, editor, *NETSOFT 2015 : 1st IEEE Conference on Network Softwarization*, pages 1–6, 2015.
- [295] J. M. Sanchez Vilchez, I. Grida Ben Yahia, and **N. Crespi**. Self-modeling based diagnosis of services over programmable networks. In IEEE Computer Society, editor, *NETSOFT 2016 : 2nd IEEE Conference on Network Softwarization*, pages 277–285, 2016.
- [296] J. M. Sanchez Vilchez, I. Grida Ben Yahia, and **N. Crespi**. THESARD : on The road to resilieNCe in SoftwAre defined networking thRough self-Diagnosis. In IEEE, editor, *NETSOFT 2016 : 2nd IEEE Conference on Network Softwarization*, pages 351–352, 2016.
- [297] A. M. Sareh Said, A. W. Ibrahim, A. Soua, and **H. Afifi**. Dynamic aggregation protocol for wireless sensor networks. In IEEE, editor, *AINA13 : The 27th IEEE International Conference on Advanced Information Networking and Applications*, pages 356–361, 2013.
- [298] A. M. Sareh Said, A. Soua, E. M. A. E. Abousabaa, and **H. Afifi**. Context-aware multi-modal traffic management in ITS : a Q-learning based algorithm. In IEEE, editor, *IWCMC 2015 : 11th Wireless Communications and Mobile Computing Conference*, volume 1, pages 674–679, 2015.
- [299] N. M. Shakya, M. Mani, and **N. Crespi**. SEEOF : Smart Energy Efficient Objective Function. In IEEE Computer Society, editor, *GIoTS 2017 : 1st IEEE Global Internet of Things Summit*, pages 1–6, Los Alamitos, 2017.
- [300] S. Smirani, J. Denis, and **B. Jouaber**. Multilayered Wyner-Ziv lattice coding for single-cell point-to-multipoint communications. In IEEE Computer Society, editor, *WIMOB 2017 : IEEE 13th International Conference on Wireless and Mobile Computing, Networking and Communications*, pages 1–6, Los Alamitos, 2017.
- [301] S. Smirani, J. Denis, and **B. Jouaber**. Wyner-Ziv nested lattice coding for single-cell multicast service delivery. In IEEE Computer Society, editor, *PIMRC 2017 : IEEE 28th Annual International Symposium on Personal, Indoor, and Mobile Radio Communications*, pages 1–6, Los Alamitos, 2017.
- [302] L.-P. Sondeck, **M. Laurent**, and V. Frey. The semantic discrimination rate metric for privacy measurements which questions the benefit of t-closeness over l-diversity. In Scitepress, editor, *SECRYPT 2017 : 14th International Conference on Security and Cryptography*, volume 6, pages 285–294, Setúbal, 2017.
- [303] A. Soua, W. Ben-Ameur, and **H. Afifi**. Beamforming-based broadcast scheme for multihop wireless networks with transmission range adjustment. In IEEE, editor, *WONS13 : The 10th Annual Conference on Wireless On-Demand Network Systems and Services*, pages 107–109, 2013.
- [304] A. Soua and **H. Afifi**. Adaptive data collection protocol using reinforcement learning for VANETs. In IEEE, editor, *IWCMC13 : The 9th IEEE International Wireless Communications and Mobile Computing Conference*, pages 1040–1045, 2013.
- [305] O. Soualah, I. Fajjari, M. Hadji, **D. Zeghlache**, and N. Aitsaadi. A novel virtual network embedding scheme based on Gomory-Hu tree within clouds backbone. In IEEE Computer Society, editor, *NOMS 2016 : Network Operations and Management Symposium*, pages 536–542, Los Alamitos, 2016.
- [306] O. Soualah, M. Mechtri, C. Ghribi, and **D. Zeghlache**. A link failure recovery algorithm for Virtual Network Function chaining. In IEEE Computer Society, editor, *IM 2017 : IFIP/IEEE Symposium on Integrated Network Management*, pages 213–221, Los Alamitos, 2017.
- [307] O. Soualah, M. Mechtri, C. Ghribi, and **D. Zeghlache**. An efficient algorithm for virtual network function placement and chaining. In IEEE Computer Society, editor, *CCNC 2017 : 14th IEEE conference on Consumer Communications & Networking*, pages 647–652, Los Alamitos, 2017.
- [308] O. Soualah, M. Mechtri, C. Ghribi, and **D. Zeghlache**. Energy efficient algorithm for VNF placement and chaining. In IEEE Computer Society, editor, *CCGRID 2017 : 17th IEEE/ACM International Symposium on Cluster, Cloud and Grid Computing*, pages 579–588, Los Alamitos, 2017.
- [309] O. Soualah, M. Mechtri, C. Ghribi, and **D. Zeghlache**. A green VNFs placement and chaining algorithm. In *NOMS 2018 : 2018 IEEE/IFIP Network Operations and Management Symposium*, Taipei, Taiwan, 2018.
- [310] A. Sultan, M. Elkouki, **H. Afifi**, **M. Marot**, and **V. Gauthier**. A dynamic femto cell architecture using TV Whitespace improving user experience of urban crowds. In IEEE, editor, *IWCMC 2015 : 11th Wireless Communications and Mobile Computing Conference*, pages 886–891, 2015.
- [311] T. Toukabri, A. M. Sareh Said, E. M. A. E. Abousabaa, and **H. Afifi**. Cellular Vehicular Networks (CVN) : ProSe-based ITS in advanced 4G networks. In IEEE, editor, *MASS 2014 : 11th International Conference on Mobile Ad Hoc and Sensor Systems*, pages 527–528, 2014.

- [312] T. Toukabri, A. M. Sareh Said, E. M. A. E. Abousabea, and **H. Afifi**. Distributed D2D architecture for ITS services in advanced 4G networks. In IEEE, editor, *VTC Fall 2015 : IEEE 82nd Vehicular Technology Conference*, pages 1–7, IEEE, 2015.
- [313] T. Toukabri, S. Tsang Kwong, and **H. Afifi**. Hybrid model for LTE network : assisted D2D communications. In Springer International Publishing, editor, *ADHOC-NOW 2014 : 13th International Conference on Ad Hoc Networks and Wireless*, pages 100–113, Cham, 2014.
- [314] K. Toumi, M. S. Idrees, F. Charmet, **G. Blanc**, and R. Yaich. Usage control policy enforcement in SDN-based clouds : a dynamic availability service use case . In IEEE, editor, *HPCC 2016 : 18th IEEE International Conference on High Performance Computing and Communications*, pages 578–585, 2016.
- [315] W. Tounsi, N. Cuppens-Boulahia, F. Cuppens, and **J. Garcia-Alfaro**. Fine-grained privacy control for the RFID middleware of EPCglobal networks. In ACM, editor, *MEDES 2013 : 5th International Conference on Management of Emergent Digital EcoSystems*, pages 60–67, New York, 2013.
- [316] W. Tounsi, N. Cuppens-Boulahia, F. Cuppens, and **J. Garcia-Alfaro**. Privacy-enhanced filtering and collection middleware in EPCglobal networks. In IEEE, editor, *CRISIS 2013 : 8th International Conference on Risks and Security of Internet and Systems*, pages 1–8, 2013.
- [317] W. Tounsi, B. Justus, N. Cuppens-Boulahia, **J. Garcia-Alfaro**, and F. Cuppens. Probabilistic cycle detection for Schneier's solitaire keystream algorithm. In IEEE, editor, *SERE-C 2014 : 8th IEEE International Conference on Software Security and Reliability-Companion*, pages 113–120, 2014.
- [318] V. L. Tran, **E. Renault**, X. H. Do, and V. H. Ha. Design and implementation of a new execution model for CAPE. In ACM, editor, *SOICT 2017 : 8th international Symposium on Information and Communication Technology*, pages 453–459, New York, 2017.
- [319] V. L. Tran, **E. Renault**, and V. H. Ha. Improving the reliability and the performance of CAPE by using MPI for data exchange on network. In Springer international publishing, editor, *MSPN 2015 : First International Conference on Mobile, Secure and Programmable Networking*, pages 90–100, Cham, 2015.
- [320] V. L. Tran, **E. Renault**, and V. H. Ha. Analysis and evaluation of the performance of CAPE. In IEEE, editor, *SCALCOM 2016 : International Conference on Scalable Computing and Communications*, pages 620–627, Los Alamitos, 2016.
- [321] V. L. Tran, **E. Renault**, and V. H. Ha. Optimization of checkpoints and execution model for an implementation of OpenMP on distributed memory architectures. In IEEE Computer Society, editor, *CCGRID 2017 : 17th international symposium on Cluster, Cloud and Grid Computing*, pages 711–714, Los Alamitos, 2017.
- [322] Y. Tseng, M. Pattaranantakul, **Z. Zhang** He, R. and, and F. Naït-Abdesselam. Controller DAC : securing SDN controller with dynamic access control. In *IEEE International Conference on Communications, ICC 2017, Paris, France, May 21-25, 2017*, pages 1–6, 2017.
- [323] Y. Tseng, **Z. Zhang**, and F. Naït-Abdesselam. Controllersepa : A security-enhancing SDN controller plug-in for openflow applications. In *17th International Conference on Parallel and Distributed Computing, Applications and Technologies, PDCAT 2016, Guangzhou, China, December 16-18, 2016*, pages 268–273, 2016.
- [324] Y. Tseng, **Z. Zhang**, and F. Naït-Abdesselam. SRV : switch-based rules verification in software defined networking. In *IEEE NetSoft Conference and Workshops, NetSoft 2016, Seoul, South Korea, June 6-10, 2016*, pages 477–482, 2016.
- [325] L. T. Van, **E. Renault**, X. H. Do, and V. H. Ha. A New Execution Model for Improving Performance and Flexibility of CAPE. In *2018 26th Euromicro International Conference on Parallel, Distributed and Network-based Processing (PDP)*, 2018.
- [326] Q. P. Van, D. Verchère, S. Khebbache, P. Layec, S. Bigo, A. Dupas, and **D. Zeghlache**. Virtualized routing and frequency allocation functions in elastic optical networks. In VDE, editor, *ECOC 2016 : 42nd European Conference on Optical Communication*, pages 524–526, Berlin ; Offenbach, 2016.
- [327] D. P. Venmani, Y. Gourhant, and **D. Zeghlache**. OpenRoutes : multi-operator cooperative routing over maximally disjoint paths for the survivability of wireless backhaul. In IEEE, editor, *DRCN13 : 9th International Conference on Design of Reliable Communication Networks*, pages 179–186, 2013.
- [328] D. P. Venmani, Y. Gourhant, L. Reynaud, **D. Zeghlache**, and P. Chemouil. Substitution networks based on software defined networking. In Springer, editor, *ADHOCNETS12 : 4th International Conference on Ad Hoc Networks*, volume 111, pages 242–259, Heidelberg ; Dordrecht ; London [etc.], 2013.
- [329] B. Vidalenc, L. Noirie, L. Ciavaglia, and **E. Renault**. Dynamic risk-aware routing for OSPF networks. In IFIP-IEEE, editor, *IM 2013 : IFIP/IEEE International Symposium on Integrated Network Management*, pages 226–234, 2013.

- [330] A. Wailly, M. Lacoste, and **H. Debar**. RetroVisor : nested virtualization for multi IaaS VM availability. In *ComPAS 2013 : Conférence en Parallélisme, Architecture et Système*, 2013.
- [331] A. S. Wazan, G. Blanc, **H. Debar**, and **J. Garcia-Alfaro**. Attribute-based mining process for the organization-based access control model. In IEEE Computer Society, editor, *TRUSTCOM 2013 : 12th IEEE International Conference on Trust, Security and Privacy in Computing and Communications*, pages 421–430, 2013.
- [332] H. Xiong, D. Zhang, G. Chen, **V. Gauthier**, and L. Wang. CrowdTasker : maximizing coverage quality in Piggyback Crowdsensing under budget constraint. In IEEE Computer Society, editor, *PERCOM 2015 : International Conference on Pervasive Computing and Communications*, pages 55–62, Los Alamitos, 2015.
- [333] J. Yung, **H. Debar**, and L. Granboulan. Security issues and mitigation in Ethernet POWERLINK. In Springer, editor, *CYBERICPS 2016 : 2nd international workshop on Security of Industrial Control Systems and Cyber-Physical Systems*, pages 87–102, Cham, 2016. LNCS 10166.
- [334] I. F. Zain, A. Awang, and **A. Laouiti**. Hybrid MAC protocols in VANET : a survey. In Springer, editor, *IWVSC 2016 : 2nd International Workshop on Vehicular Adhoc Networks for Smart Cities*, volume 548, pages 3–14, Singapore, 2017.
- [335] J. Zhang, H. Labiod, S. E. Hammami, and H. Afifi. Scalable energy efficient routing in multi-layer femtocell networks. In IEEE Computer Society, editor, *IWCNC 2017 : 13th International Wireless Communications & Mobile Computing Conference*, pages 1540–1545, Los Alamitos, 2017.
- [336] J. Zhang, **V. Gauthier**, H. Labiod, **H. Afifi**, and A. Banerjee. Information dissemination in vehicular networks via evolutionary game theory. In IEEE, editor, *ICC 2014 : IEEE International Conference on Communications (ICC)*, pages 124–129, 2014.

Livres et chapitres de livres

- [1] **A. Laouiti**, A. Qayyum, and M. N. Mohamad Saad. *Vehicular Ad-hoc Networks for smart cities : first international workshop, 2014*, volume 306 of *Advances in Intelligent Systems and Computing*. Springer, 2015.
- [2] **A. Laouiti**, A. Qayyum, and M. N. Mohamad Saad. *Vehicular Ad-hoc Networks for smart cities : second international workshop, 2016*, volume 548 of *Advances in Intelligent Systems and Computing*. Springer, Singapore, 2017. DOI : 10.1007/978-981-10-3503-6.
- [3] E. Bertin and **N. Crespi**. *Architecture et gouvernance des services de communication*. Réseaux et télécoms. Hermès-Lavoisier, Cachan, 2013.
- [4] E. Bertin, **N. Crespi**, and T. Magedanz. *Evolution of telecommunication services : the convergence of telecom and internet : technologies and ecosystems*, volume 7768 of *Information Systems and Applications, incl. Internet/Web, and HCI*. Springer-Verlag, Berlin Heidelberg, 2013.
- [5] S. Boumerdassi, S. Bouzefrane, and **E. Renault**. *Mobile, secure, and programmable networking : first international conference, MSPN 2015, Paris, France, June 15-17, 2015, selected papers*, volume 9395 of *Lecture Notes in Computer Science*. Springer international publishing, Cham, 2015.
- [6] S. Boumerdassi, **E. Renault**, and S. Bouzefrane. *Mobile, secure, and programmable networking : second international conference, MSPN 2016, Paris, France, June 1-3, 2016, revised selected papers*, volume 10026 of *Lecture Notes in Computer Science*. Springer, Cham, 2016. DOI : 10.1007/978-3-319-50463-6.
- [7] J. Castella-Roca, J. Domingo-Ferrer, **J. Garcia-Alfaro**, C. D. Jensen, I.-V. Onut, V. Torra, J. Zhang, N. Stakhanova, J. Manjon, and A. Ghorbani. *2013 Eleventh annual conference on privacy, security and trust*. IEEE, 2013.
- [8] N. K. Chilankurti, S. Zeadally, and **H. Chaouchi**. *Next-generation wireless technologies : 4G and beyond*. Computer Communications and Networks. Springer, London ;Heidelberg ;New-York [etc.], 2013.
- [9] F. Cuppens, **J. Garcia-Alfaro**, N. Zincir Heywood, and P. W. L. Fong. *Foundations and practice of security : 7th international symposium, FPS 2014, Montreal, QC, Canada, November 3-5, 2014 : revised selected papers*, volume 8930 of *Lecture Notes in Computer Science*. Springer international publishing, Cham, 2015.
- [10] F. Cuppens, L. Wang, N. Cuppens-Boulahia, **J. Garcia-Alfaro**, and N. Tawbi. *Foundations and practice of security : 9th International Symposium, FPS 2016, Québec City, QC, Canada, October 24-25, 2016, Revised Selected Papers*, volume 10128 of *Lecture Notes in Computer Science*. Springer, Cham, 2017.
- [11] N. Cuppens, F. Cuppens, J.-L. Lanet, **J. Garcia-Alfaro**, and A. Legay. *Risks and Security of Internet and Systems - 12th International Conference*. Springer, 2018.
- [12] J.-L. Danger, M. Debbabi, J.-Y. Marion, N. Zincir Heywood, and **J. Garcia-Alfaro**. *Foundations and practice of security : 6th international symposium, FPS 2013, La Rochelle, France, October 21-22, 2013, revised selected papers*, volume 8352 of *Lecture Notes in Computer Science*. Springer, 2014.

- [13] D. El Baz, J. Bourgeois, **B. Defude**, G. Han, **J. Garcia-Alfaro**, and Z. Zhou. *UIC-ATC-ScalCom-CBDCom-IoP-SmartWorld 2016 : 13th Annual International Conference on Advanced and Trusted Computing*. IEEE Computer Society, Los Alamitos, 2016.
- [14] A. Ghorbani, V. Torra, H. Hisil, A. Koltuksuz, M. Sensoy, I. Zincir, **J. Garcia-Alfaro**, J. Zhang, and A. Miri. *2015 Thirteenth annual conference on privacy, security and trust*. IEEE, 2015.
- [15] C. Giuffrida, S. Bardin, and **G. Blanc**. *Detection of Intrusions and Malware, and Vulnerability Assessment - 15th International Conference, DIMVA 2018*. Springer International Publishing, 2018.
- [16] A. Imine, J. M. Fernandez, J.-Y. Marion, **J. Garcia-Alfaro**, and L. Logrippo. *Foundations and Practice of Security*. Springer, Cham, 2018.
- [17] **J. Garcia-Alfaro**, F. Cuppens, N. Cuppens-Boulahia, N. Tawbi, and A. Miri. *Foundations and practice of security*, volume 7743 of *Lectures Notes in Computer Science*. Springer, Springer;Heidelberg;Dordrecht [etc.], 2013. 5th International Symposium, FPS 2012, Montreal, QC, Canada, October 25-26, 2012, Revised Selected Papers.
- [18] **J. Garcia-Alfaro** and G. Gur. *Proceedings 2014 International Workshop on Advanced Intrusion Detection and Prevention*, volume 165. 10 2014.
- [19] **J. Garcia-Alfaro**, J. Herrera-Joancomarti, E. Lupu, A. Aldini, N. Suri, F. Martinelli, and J. Posegga. *Data privacy management, autonomous spontaneous security, and security assurance : 9th international workshop, DPM 2014, 7th international workshop, SETOP 2014, and 3rd international workshop, QASA 2014, Wroclaw, Poland, September 10-11, 2014 : revised selected papers*, volume 8872 of *Lecture Notes in Computer Science*. Springer international publishing, Cham, 2015.
- [20] **J. Garcia-Alfaro**, E. Kranakis, and G. Bonfante. *Foundations and practice of security : 8th international symposium, FPS 2015, Clermont-Ferrand, France, October 26-28, 2015 : revised selected papers*, volume 9482 of *Lecture Notes in Computer Science*. Springer International Publishing, Cham, 2016.
- [21] **J. Garcia-Alfaro**, G. Lioudakis, N. Cuppens-Boulahia, W. Fitzgerald, and S. Foley. *Data privacy management and autonomous spontaneous security : 8th international workshop, DPM 2013, and 6th international workshop, SETOP 2013, Egham, UK, September 12-13, 2013, revised selected papers*, volume 8247 of *Lecture Notes in Computer Science*. Springer, 2014.
- [22] **J. Garcia-Alfaro**, F. Longo, and G. Martinez-Perez. *Special section on critical systems modelling and security*. Computers and Electrical Engineering Journal. Elsevier, 2015.
- [23] **J. Garcia-Alfaro** and G. Martinez-Perez. *Special section on critical systems modelling and security*. Computers and Electrical Engineering Journal. Elsevier, 2017.
- [24] **J. Garcia-Alfaro**, G. Navarro-Arribas, A. Aldini, N. Suri, and F. Martinelli. *Data privacy management, and security assurance : 10th international workshop, DPM 2015, and 4th international workshop, QASA 2015, Vienna, Austria, September 21-22, 2015 : revised selected papers*, volume 9481 of *Lecture Notes in Computer Science*. Springer International Publishing, Cham, 2016.
- [25] **J. Garcia-Alfaro**, G. Navarro-Arribas, H. Hartenstein, and J. Herrera-Joancomarti. *Data privacy management, Cryptocurrencies and Blockchain Technology : ESORICS 2017 International Workshops, DPM 2017 and CBT 2017, Oslo, Norway, September 14-15, 2017, Proceedings*, volume 10436 of *Lecture Notes in Computer Science*. Springer International Publishing, Cham, 2017.
- [26] B. Mandler, J. Marquez-Barja, M. E. M. Campista, **H. Chaouchi**, M. Badra, M. Fazio, R.-L. Vieriu, A. Somov, S. Giordano, S. Zeadally, and D. Caganova. *Internet of Things : IoT Infrastructures : Second international summit, IoT 360*, volume 169-170 of *LNICST*. Springer, Cham, 2016. DOI : 10.1007/978-3-319-47063-4.
- [27] R. Minerva and **N. Crespi**. *Networks and new services : a complete story*. Internet of things. Springer international publishing, Cham, 2017. 10.1007/978-3-319-33995-5.
- [28] R. Minerva and **N. Crespi**. *New networks and new services : challenges for the communication service providers*. Wiley-ISTE, [S.l.], 2017.
- [29] A. Miri, U. Hengartner, H. Nen-Fu, **J. Garcia-Alfaro**, and A. Josang. *2014 Twelfth annual conference on privacy, security and trust*. IEEE, 2014.
- [30] N. Mitton, **H. Chaouchi**, T. Noel, A. Gabillon, P. Capolsini, and T. Watteyne. *Interoperability, safety and security in IoT : second international conference, InterIoT 2016 and third international conference, SaSeIoT 2016*, volume 190 of *LNICST*. Springer, Cham, 2017. DOI : 10.1007/978-3-319-52727-7.
- [31] **M. Laurent** and S. Bouzefrane. *Digital identity management*. Information systems, web and pervasive computing. ISTE Press, London, 2015.
- [32] **M. Laurent** and S. Bouzefrane. *La gestion des identités numériques*. Systèmes d'information, web et informatique ubiquitaire. ISTE Edition, London, 2015.

- [33] M. Laurent, S. Foresti, and H. Xu. *Privacy-aware electronic society*. Annals of Telecommunication, Volume 69, Issue 1-2. Springer, Paris, 2014. DOI : 10.1007/s12243-013-0405-4.
- [34] F. Monrose, M. Dacier, G. Blanc, and J. Garcia-Alfaro. *Research in attacks, intrusions, and defenses : 19th international symposium, RAID 2016, Paris, France, September 19-21, 2016, proceedings*, volume 9854 of *Lecture notes in computer science*. Springer, Cham, 2016. 10.1007/978-3-319-45719-2.
- [35] N. Crespi and E. Bertin. *Architecture and governance for communication services*. Networks and telecommunications series. iSTE;Wiley, London ;Hoboken, 2013.
- [36] H. Wang, Z. Zhang, and T. Taleb. *Special issue on Security and privacy of IoT* . World Wide Web Journal. Springer, 2017.
- [37] H. Wang, Z. Zhang, and T. Taleb. *Editorial : Special Issue on Security and Privacy of IoT*. Springer US, 2018.
- [38] L. Wang, V. Gauthier, G. Chen, and L. Moreira-Matias. *Special issue on extracting crowd intelligence from pervasive and social big data* . Journal of ambient intelligence and humanized computing. 2018.
- [39] Q. Yang, R. Lu, Y. Challal, and M. Laurent. *Security, and privacy in emerging wireless networks : security and communication networks journal* . Security and Communication Networks Journal. Wiley ; Hindawi Limited, London, 2017. doi:10.1155/2017/5618742 - Open access.

Autres publications

- [1] O. Elloumi, J.-P. Desbenoit, P. Wetterwald, J. Heiles, M. Carugi, M. Serrano, A. Van Der Wees, M. Girod-Genet, J. Mansell, F. Ennesser, A. Corchero, E. Darmois, S. Campos, T. Klein, F. Le Gall, C. Ralli Ucendo, O. Vermesan, P. Murdock, and G. Karagiannis. High Level Architecture (HLA) : release 3.0 : AIOTI WG03 - IoT Standardisation. Technical report, r3s,, Jun 2017.
- [2] A. Manzalini, C. Buyukkoc, P. Chemouil, S. Kuklinski, F. Callegati, A. Galis, M.-P. Odini, I. Chih-Lin, N. Crespi, E. Healy, and S. Sharrock. Towards 5g software-defined ecosystems. 07 2016.
- [3] M. Girod-Genet, L. Nachabe Ismail, and B. El Hassan. ETSI TS 103 378 : Smart Body Area Network (Smart-BAN) : unified data representation formats, semantic and open data model. Technical report, RS2M - Dépt. Réseaux et Service Multimédia Mobiles (Institut Mines-Télécom-Télécom SudParis), SAMOVAR - Services répartis, Architectures, MODélisation, Validation, Administration des Réseaux (Institut Mines-Télécom-Télécom SudParis-CNRS), ULFG - Faculté de Génie / Faculty of Engineering (Université Libanaise / Lebanese University (UL)), Dec 2015.
- [4] M. Laurent. Pare-feu : le couteau suisse de la sécurité informatique. *Techniques de l'ingénieur. Sécurité des systèmes d'information*, (TE7550v2), Oct 2017.
- [5] P. Murdock, L. Bassbouss, M. Bauer, M. Ben Ayala, R. Bhowmik, P. Brett, R.N. Chakraborty, M. Dadas, J. Davies, W. Diab, B. Eastham, C. El Kaed, O. Elloumi, M. Girod-Genet, N. Hernandez, M. Hoffmeister, J. Jimenez, S. Kanti Datta, I. Khan, D.-J. Kim, A. Kraft, O. Logvinov, T. Longstreth, P. Martigne, C. Mladin, T. Monteil, P. Nappey, D. Raggett, J. Roes, M. Serrano, N. Seydoux, E. Simon, R. Subramaniam, J. Swetina, M. Underwood, C. Wang, C. Whitehead, and Y. Zhang. Semantic interoperability for the Web of Things. Technical report, Aug 2016.
- [6] V. Gauthier, F. Asgari, M. El Yacoubi, and A. Sultan.

TIPIC

Journaux

- [1] N. Abbassi, D. Benboudjema, S. Derrode, and W. Pieczynski. Optimal filter approximations in conditionally Gaussian pairwise Markov switching models. *IEEE transactions on automatic control*, 60(4):1104–1109, Apr 2015.
- [2] N. Abbassi, S. Derrode, F. Desbouvries, W. Pieczynski, and Y. Petetin. Filtrage statistique optimal rapide dans des systèmes linéaires à sauts non stationnaires. *Traitemen du signal*, 31(3-4):339–361, 2014.
- [3] H. Abeida and J.-P. Delmas. Direct derivation of the stochastic CRB of DOA estimation for rectilinear sources. *IEEE signal processing letters*, 24(10):1522–1526, Oct 2017.
- [4] M. Bédard, R. Douc, and E. Moulines. Scaling analysis of delayed rejection MCMC methods. *Methodology and computing in applied probability*, 16(4):811–838, Dec 2014.
- [5] D. F. Bendimerad and Y. Frignac. Numerical investigation of SOA nonlinear impairments for coherent transmission systems based on SOA amplification. *Journal of lightwave technology*, 35(24):5286–5295, Dec 2017.

- [6] M. M. Bouchene, R. Hamdi, and Q. Zou. Theoretical analysis of a monolithic all-active three-section semiconductor laser. *Photonics letters of Poland*, 9(4):131–133, Dec 2017.
- [7] M. E. Y. Boudaren, L. An, and W. Pieczynski. Dempster-Shafer fusion of evidential pairwise Markov fields. *International journal of approximate reasoning*, 74:13–29, Jul 2016.
- [8] M. E. Y. Boudaren, L. An, and W. Pieczynski. Unsupervised segmentation of SAR images using Gaussian mixture-hidden evidential Markov fields. *IEEE geoscience and remote sensing letters*, 13(12):1865–1869, Dec 2016.
- [9] M. E. Y. Boudaren, E. Monfrini, W. Pieczynski, and A. Assani. Phasic triplet Markov chains. *IEEE transactions on pattern analysis and machine intelligence*, 36(11):2310 –2316, Nov 2014.
- [10] M. E. Y. Boudaren and W. Pieczynski. Dempster-Shafer fusion of evidential pairwise Markov chains. *IEEE transactions on fuzzy systems*, 24(6):1598–1610, Dec 2016.
- [11] M. E. Y. Boudaren and W. Pieczynski. Unified representation of sets of heterogeneous Markov transition matrices. *IEEE transactions on fuzzy systems*, 24(2):497–503, Apr 2016.
- [12] D. S. Bryant, E. Delande, S. Gehly, D. Clark, B. Jones, and J. Houssineau. The CPHD filter with target spawning. *IEEE transactions on signal processing*, 65(5):1324–1338, Mar 2017.
- [13] C. Calo, V. Vujicic, R. Watts, K. Merghem, F. Lelarge, B.-E. Benkelfat, L. P. Barry, A. Ramdane, A. Martinez, V. Panapakkam Venkatesan, and C. Browning. Single-section quantum well mode-locked laser for 400 Gb/s SSB-OFDM transmission. *Optics express*, 23(20):26442–26449, Oct 2015.
- [14] M. Castella, S. Rafi, P. Comon, and W. Pieczynski. Separation of instantaneous mixtures of dependent sources using classical ICA methods. *EURASIP journal on advances in signal processing*, (2013:62), Mar 2013.
- [15] P. Chevalier, R. Chauvat, and J.-P. Delmas. Enhanced widely linear filtering to make quasi-rectilinear signals almost equivalent to rectilinear ones for SAIC/MAIC. *IEEE transactions on signal processing*, 2018.
- [16] P. Chevalier, J.-P. Delmas, and A. Oukaci. Properties, performance and practical interest of the widely linear MMSE beamformer for nonrectilinear signals. *Signal processing*, 97:269–281, Apr 2014.
- [17] P. Chevalier, J.P. Delmas, and M. Sadok. Third-order volterra mvdr beamforming for non-gaussian and potentially non-circular interference cancellation. *accepted for publication, IEEE Transactions on Signal Processing*, June 2018.
- [18] N. Chimot, J. Siddarth, J.-G. Provost, F. Blache, C. Fortin, L.-A. Neto, M. Thual, F. Lelarge, M. Gay, Y. Gottesman, F. Pommereau, and K. Mekhazni. Monolithic integration on InP of a DML and a ring resonator for future access networks. *IEEE photonics technology letters*, 28(19):2039–2042, Oct 2016.
- [19] J.-B. Courbot, V. Mazet, E. Monfrini, and C. Collet. Extended faint source detection in astronomical hyperspectral images. *Signal processing*, 135:274–283, Jun 2017.
- [20] J.-B. Courbot, E. Monfrini, V. Mazet, and C. Collet. Oriented Triplet Markov Fields. *Pattern recognition letters*, 103(1):16–22, Feb 2018.
- [21] J.-B. Courbot, E. Rust, E. Monfrini, and C. Collet. Vertebra segmentation based on 2-step refinement. *Journal of computational surgery*, 4(1):1–22, Dec 2016.
- [22] E. Delande, C. Frueh, J. Franco, D. Clark, and J. Houssineau. Novel multi-object filtering approach for space situational awareness. *Journal of guidance, control, and dynamics*, 41(1):59–73, Jan 2018.
- [23] J.-P. Delmas and H. Abeida. Survey and some new results on performance analysis of complex-valued parameter estimators. *Signal processing*, 111:210–221, Jun 2015.
- [24] J.-P. Delmas, P. Chevalier, S. Sallem, and M. Sadok. Récepteurs SIMO MLSE Widely Linear. *Traitemet du signal*, 32(1):7–37, Mar 2015.
- [25] J.-P. Delmas, M. N. El Korsos, H. Gazzah, and M. Castella. CRB analysis of planar antenna arrays for optimizing near-field source localization. *Signal processing*, 127:117–134, Oct 2016.
- [26] S. Derrode, L. Benyoussef, and W. Pieczynski. Subsampling-based HMC parameters estimation with application to large data sets classification. *Signal, image and video processing*, 8(5):873–882, Jul 2014.
- [27] S. Derrode and W. Pieczynski. Exact fast computation of optimal filter in Gaussian switching linear systems. *IEEE signal processing letters*, 20(7):701–704, Jul 2013.
- [28] S. Derrode and W. Pieczynski. Unsupervised data classification using pairwise Markov chains with automatic copulas selection. *Computational statistics & data analysis*, 63:81–98, Jul 2013.
- [29] S. Derrode and W. Pieczynski. Unsupervised classification using hidden Markov chain with unknown noise copulas and margins. *Signal processing*, 128:8–17, Nov 2016.
- [30] R. Douc, P. Doukhan, and E. Moulines. Ergodicity of observation-driven time series models and consistency of the maximum likelihood estimator. *Stochastic processes and their applications*, 123(7):2620–2647, Jul 2013. A Special Issue on the Occasion of the 2013 International Year of Statistics.

- [31] R. Douc, K. Fokianos, and E. Moulines. Asymptotic properties of quasi-maximum likelihood estimators in observation-driven time series models. *Electronic journal of statistics*, 11(2):2707–2740, Jul 2017.
- [32] R. Douc, F. Maire, and J. Olsson. On the use of Markov chain Monte Carlo methods for the sampling of mixture models : a statistical perspective. *Statistics and computing*, 25(1):95–110, Jan 2015.
- [33] R. Douc, E. Moulines, and J. Olsson. Long-term stability of sequential Monte Carlo methods under verifiable conditions. *Annals of applied probability*, 24(5):1767–1802, Sep 2014.
- [34] R. Douc, F. Roueff, and T. Sim. Handy sufficient conditions for the convergence of the maximum likelihood estimator in observation-driven models. *Lithuanian Mathematical Journal*, 55(3):367–392, Jul 2015.
- [35] R. Douc, F. Roueff, and T. Sim. The maximizing set of the asymptotic normalized log-likelihood for partially observed Markov chains. *Annals of applied probability*, 26(4):2357–2383, Aug 2016.
- [36] C. Dubarry and R. Douc. Calibrating the exponential Ornstein-Uhlenbeck multiscale stochastic volatility model. *Quantitative finance*, 14(3):443–456, Mar 2014.
- [37] M. El Yahyaoui, A. El Moussati, K. Goumid, C. Lepers, and B. Al-Mahdawi. IEEE 802.15.3C transmission over multimode fiber links : performance comparison of RF and IF over fiber. *International journal of microwave and optical technology (IJMOT)*, 11(5):384–390, Sep 2016.
- [38] H. Gazzah and J.-P. Delmas. CRB based-design of linear antenna arrays for near-field source localization. *IEEE transactions on antennas and propagation*, 62(4):1965–1974, Apr 2014.
- [39] H. Gazzah, J.-P. Delmas, and S. M. Jesus. Direction-finding arrays of directional sensors for randomly located sources. *IEEE transactions on aerospace and electronic systems*, 52(4):1995–2003, Nov 2016.
- [40] I. Gorynin, E. Azeraf, W. Sabbagh, W. Pieczynski, and E. Monfrini. Optimal filtering in hidden and pairwise Gaussian Markov systems. *International journal of mathematical and computational methods (IJMCM)*, 1:259–263, 2016.
- [41] I. Gorynin, L. Crelier, H. Gangloff, W. Pieczynski, and E. Monfrini. Performance comparison across hidden, pairwise and triplet Markov model’s estimators. *International journal of mathematical and computational methods (IJMCM)*, 1:253–258, 2016.
- [42] I. Gorynin, S. Derrode, E. Monfrini, and W. Pieczynski. Fast filtering in switching approximations of nonlinear Markov systems with applications to stochastic volatility. *IEEE transactions on automatic control*, 62(2):853–862, Feb 2017.
- [43] I. Gorynin, S. Derrode, E. Monfrini, and W. Pieczynski. Fast smoothing in switching approximations of non-linear and non-Gaussian models. *Computational statistics & data analysis*, 114:38–46, Oct 2017.
- [44] I. Gorynin, H. Gangloff, E. Monfrini, and W. Pieczynski. Assessing the segmentation performance of pairwise and triplet Markov models. *Signal processing*, 145:183–192, Apr 2018.
- [45] A. Habbouchi, M. E. Y. Boudaren, A. Aïssani, and W. Pieczynski. Unsupervised segmentation of Markov random fields corrupted by nonstationary noise. *IEEE signal processing letters*, 23(11):1607–1611, Nov 2016.
- [46] A. R. Halassi, R. Hamdi, D. F. Bendimerad, and B.-E. Benkelfat. A novel synthesis approach for birefringent filters having arbitrarily amplitude transmittances. *Optics communications*, 369:12–17, Jun 2016.
- [47] R. Hamdi, D. F. Bendimerad, B.-E. Benkelfat, and B. Vinouze. Tuning of liquid-crystal birefringence using a square ac variable frequency voltage. *Journal of optics*, 17(10):1–5, Sep 2015.
- [48] H. Hanzouli, J. Lapuyade-Lahorgue, J. Bert, P. Lambin, E. Monfrini, D. Visvikis, M. Hatt, W. Pieczynski, A. Van Baardwijk, and D. Benoit. A framework based on Hidden Markov Trees for multimodal PET/CT image co-segmentation. *Medical physics*, 44(11):5835–5848, Nov 2017.
- [49] T. N. Huynh, R. Watts, V. Vujicic, C. Calo, V. Panapakkam Venkatesan, A. Martinez, A. Ramdane, L. P. Barry, B.-E. Benkelfat, F. Lelarge, K. Merghem, and M. D. Gutierrez Pascual. 200-Gb/s baudrate-pilot-aided QPSK/direct detection with single-section quantum-well mode-locked laser. *IEEE photonics journal*, 8(2):1–7, Apr 2016. Article 7903107.
- [50] K. Jishy and F. Lehmann. A Bayesian track-before-detect procedure for passive radars. *EURASIP journal on advances in signal processing*, 2013, Mar 2013.
- [51] F. Kanouni, A. Brézini, A.-M. Djennane, and Q. Zou. InN/GaN quantum dot superlattices : charge-carrier states and surface electronic structure. *International journal of modern physics B*, 32(6):1850060–1–1850060–17, Mar 2018.
- [52] M. Korti, T. Habruseva, S. Slepneva, G. Huyet, A. Ramdane, O. Seddiki, B.-E. Benkelfat, Y. Gottesman, and K. Merghem. Fast-recovery of the amplitude and phase of short optical pulses using a frequency-swept source based heterodyne measurement. *IEEE photonics journal*, 10(3):3200407–1–3200407–7, Jun 2018. Open access.
- [53] R. Lamberti, Y. Petetin, F. Desbouvries, and F. Septier. Independent resampling sequential Monte Carlo algorithms. *IEEE transactions on signal processing*, 65(20):5318–5333, Oct 2017.

- [54] R. Lamberti, Y. Petetin, F. Desbouvries, and F. Septier. Semi-Independent Resampling for Particle Filtering. *IEEE signal processing letters*, 25(1):130–134, Jan 2018.
- [55] R. Lamberti, F. Septier, N. Salman, and L Mihaylova. Gradient-based Sequential Markov Chain Monte Carlo for Multi-target Tracking with Correlated Measurements. *IEEE transactions on signal and information processing over networks*, (99), Jan 2018.
- [56] F. Lehmann. Joint channel estimation and decoding for trellis-coded MIMO two-way relay networks. *IEEE journal on selected areas in communications*, 31(8):1455–1468, Aug 2013.
- [57] F. Lehmann. A factor graph approach to iterative channel estimation, detection, and decoding for two-path successive relay networks. *IEEE Transactions on wireless communications*, 15(8):5414–5429, Aug 2016.
- [58] F. Lehmann. A message-passing receiver for OFDM-based self-interference-limited networks. *IEEE transactions on vehicular technology*, 65(8):6136–6145, Aug 2016.
- [59] F. Lehmann and A. Berthet. A factor graph approach to digital self-interference mitigation in OFDM full-duplex systems. *IEEE signal processing letters*, 24(3):344–348, Mar 2017.
- [60] F. Lehmann and Y. Frignac. Performance analysis of a new calibration method for fiber nonlinearity compensation. *IEEE communications letters*, 22(6):1176–1179, Jun 2018.
- [61] F. Lehmann, Y. Frignac, and P. Ramantanis. Semi-blind joint phase tracking, parameter estimation and detection in the context of nonlinear channels with memory. *Signal processing*, 122:75–86, May 2016.
- [62] F. Lehmann, P. Ramantanis, and Y. Frignac. Joint channel estimation, interference mitigation, and decoding for WDM optical coherent communications. *Journal of optical communications and networking*, 6(3):315–325, Mar 2014.
- [63] F. Lindsten, R. Douc, and E. Moulines. Uniform ergodicity of the Particle Gibbs sampler. *Scandinavian Journal of Statistics*, 42(3):775–797, Sep 2015.
- [64] F. Maire, R. Douc, and J. Olsson. Comparison of asymptotic variances of inhomogeneous Markov chains with application to Markov chain Monte Carlo methods. *Annals of statistics*, 42(4):1483–1510, Aug 2014.
- [65] S. Nagappa, E. Delande, D. Clark, and J. Houssineau. A Tractable Forward-Backward CPHD Smoother. *IEEE transactions on aerospace and electronic systems*, 53(1):201–217, Jan 2017.
- [66] D. Ouled Amar, N. Brochier, E. Le Rouzic, C. Lepers, M. Kanj, B. Cousin, and J.-L. Auge. Link design and legacy amplifier limitation in flex-grid optical networks. *IEEE photonics journal*, 8(2):0601410–01–0601410–10, Apr 2016.
- [67] D. Ouled Amar, E. Le Rouzic, N. Brochier, and C. Lepers. Class-of-service-based multilayer architecture for traffic restoration in elastic optical networks. *Journal of optical communications and networking*, 8(7):A34–1–A34–11, Jul 2016.
- [68] D. Ouled Amar, E. Le Rouzic, N. Brochier, C. Lepers, N. Perrot, and J.-L. Auge. Spectrum fragmentation issue in flexible optical networks : analysis and good practices. *Photonic network communications*, 29(3):230–243, Jun 2015.
- [69] A. E. Perez Ramos, S. Villarreal-Reyes, A. Arvizu-Mondragon, J. Santos-Aguilar, and C. Lepers. Spectral line suppression capabilities of spectral line free convolutional codes in UWB over fiber systems. *Microwave and optical technology letters*, 56(7):1712–1715, Jul 2014.
- [70] Y. Petetin and F. Desbouvries. Bayesian multi-object filtering for pairwise Markov chains. *IEEE transactions on signal processing*, 61(18):4481–4490, Sep 2013.
- [71] Y. Petetin and F. Desbouvries. Optimal SIR algorithm vs. fully adapted auxiliary particle filter : a non asymptotic analysis. *Statistics and computing*, 23(6):759–775, Nov 2013.
- [72] Y. Petetin and F. Desbouvries. A class of fast exact Bayesian filters in dynamical models with jumps. *IEEE transactions on signal processing*, 62(14):3643–3653, Jul 2014.
- [73] Y. Petetin and F. Desbouvries. Bayesian conditional Monte Carlo Algorithm for nonlinear time-series state estimation. *IEEE transactions on signal processing*, 63(14):3586–3598, Jul 2015.
- [74] Y. Petetin, M. Morelade, and F. Desbouvries. Marginalized particle PHD filters for multiple object Bayesian filtering. *IEEE transactions on aerospace and electronic systems*, 50(2):1182–1196, Apr 2014.
- [75] N. Samama. Les systèmes de navigation par satellites. *Techniques de l'ingénieur. Sécurité des systèmes d'information*, (TE6715), May 2014.
- [76] I. Schlangen, E. Delande, J. Houssineau, and D. Clark. A second-order PHD filter with mean and variance in target number. *IEEE transactions on signal processing*, 66(1):48–63, Jan 2018.
- [77] A. Seck, P. Ramantanis, J. Vuong, C. Lepers, Y. Frignac, B.-E. Benkelfat, and D. F. Bendimerad. Analyzing the benefit of optical transmission systems based on root raised cosine PS-QPSK and a flexible channel grid. *Optics express*, 21(9):10496–10501, May 2013.
- [78] N. Selmene, S. Blayac, M. Muller, and G. I. Abib. Development of a Compact Acquisition System for Touch Location on a Conformable Monoport Distributed Sensor. *Journal of Electrical Engineering*, pages 74–83, 2017.

- [79] I. Selmi and N. Samama. Indoor positioning with GPS and GLONASS-like signals use of new codes and a repealite-based infrastructure in a typical museum building. *Annales des télécommunications- Annals of telecommunications*, 69(11):641–655, Dec 2014.
- [80] Y. Shmaliy, F. Lehmann, S. Zhao, and C. K. Ahn. Comparing robustness of the Kalman, H_∞ , and UFIR filters. *IEEE transactions on signal processing*, 66(13):3447–3458, Jul 2018.
- [81] T. Taillardier-Loize, F. Perales, J. Baudon, V. Bocvarski, F. Correia, G. Dutier, N. Fabre, M. Ducloy, and M. Hamamda. Low energy collisions of spin-polarized metastable argon atoms with ground state argon atoms. *Journal of physics B- Atomic molecular and optical physics*, 51(8):085202–1–085202–12, Mar 2018.
- [82] M. Uney, B. Mulgrew, and D. Clark. Latent parameter estimation in fusion networks using separable likelihoods. *IEEE transactions on signal and information processing over networks*, April 2018.
- [83] A. Vervisch-Picois and N. Samama. Near-far interference mitigation for pseudolites using double transmission . *IEEE transactions on aerospace and electronic systems*, 50(4):2929–2941, Oct 2014.
- [84] J. Vuong, P. Ramantanis, Y. Frignac, P. Genevaux, G. Charlet, D. F. Bendimerad, and M. Salsi. Mode coupling at connectors in mode-division-multiplexed transmission over few-mode fiber. *Optics express*, 23(2):1438–1455, Jan 2015.
- [85] M. Yahiaoui, E. Monfrini, and B. Dorizzi. Markov Chains for unsupervised segmentation of degraded NIR iris images for person recognition. *Pattern recognition letters*, 82(2):116–123, Oct 2016.
- [86] F. Zheng, S. Derrode, and W. Pieczynski. Parameter estimation in switching Markov systems and unsupervised smoothing. *accepted in IEEE Transactions on Automatic Control*, July 2018.
- [87] Q. Zou. Steady-state behavior of semiconductor laser diodes subject to arbitrary levels of external optical feedback. *Optics and photonics journal (OPJ)*, 3(1):128–134, Mar 2013.
- [88] Q. Zou and A. Brézini. Cavity-mode properties of semiconductor lasers operating in strong-feedback regime. *Journal of Physical Science and Application*, 5(3):209–219, Mar 2015.

Conférences

- [1] D. Amar, M. Kanj, J.-L. Auge, E. Le Rouzic, B. Cousin, C. Lepers, and N. Brochier. Optical power aware network dimensioning and link design in flexgrid optical networks. In *Photonics in Switching*, 2015.
- [2] D. Amar, C. Lepers, F. Gillet, C. Ware, D. Chiaroni, and M. Lourdiane. WDM slot sharing of colored optical packets for latency improvement and Class of Service differentiation. In IEEE, editor, *ICTON 2017 : 19th International Conference on Transparent Optical Networks*, pages 1–4, 2017.
- [3] L. An, M. Li, M. E. Y. Boudaren, and W. Pieczynski. Evidential correlated Gaussian mixture Markov model for pixel labeling problem. In Springer international publishing, editor, *BELIEF 2016 : 4th International Conference on Belief Functions*, pages 203–211, Cham, 2016.
- [4] L. Anet-Neto, M. Gay, L. Bramerie, Y. Frignac, M. Thual, C. Levallois, J. Siddarth, F. Lelarge, P. Chanclou, N. Chimot, C. Paranteon, M. Joindot, J.-C. Simon, and C. Peucheret. Beyond 25 Gbit/s directly modulated, directly detected OFDM using channel flattening by a Fabry-Perot filter. In IEEE, editor, *OFC 2015 : Optical Fiber Conference and Exhibition*, pages 1–3, 2015.
- [5] I. F. Arias Lopez and C. Letrou. Gaussian beam launching based on frame decomposition and 3d spectral partition. In IEEE, editor, *ICEAA 2013 : International Conference on Electromagnetics in Advanced Applications*, pages 692–695, 2013.
- [6] I. F. Arias Lopez and C. Letrou. Frame-based Gaussian beam shooting from experimental far field data . In IEEE, editor, *ICEAA 2014 : International Conference on Electromagnetics in Advanced Applications*, pages 532–535, Torino, Italy, 2014.
- [7] F. Arlery, R. Kassab, U. Tan, and F. Lehmann. Efficient gradient method for locally optimizing the periodic/aperiodic ambiguity function. In IEEE, editor, *RADARCONF 2016 : IEEE Radar Conference : Enabling Technologies for Advances in Radar*, pages 1–6, 2016.
- [8] F. Arlery, R. Kassab, U. Tan, and F. Lehmann. Efficient optimization of the ambiguity functions of multi-static radar waveforms. In IEEE, editor, *IRS 2016 : 17th International Radar Symposium*, pages 1–6, 2016.
- [9] F. Arlery, M. Klein, and F. Lehmann. Utilization of spreading codes as dedicated waveforms for active multi-static primary surveillance radar. In IEEE, editor, *IRS 2015 : 16th International Radar Symposium*, pages 327–332, 2015.
- [10] A. Arvizu-Mondragon, A. E. Perez Ramos, S. Villarreal-Reyes, G. I. Abib, C. Lepers, M. Muller, and J. Santos-Aguilar. Optical channel impact over the PSD of UWB over FSO links . In SPIE Press, editor, *Free-Space Laser Communication and Atmospheric Propagation XXVII*, volume 9354, 2015.

- [11] E. Awwad, G. R.-B. Othman, Y. Jaouén, and Y. Frignac. Space-time codes for mode-multiplexed optical fiber transmission systems. In OSA Publishing, editor, *SPPCOM 2014 : Signal Processing in Photonic Communications*, pages SM2D.4–, 2014.
- [12] D. Benboudjema, N. Othman, B. Dorizzi, and W. Pieczynski. Challenging eye segmentation using triplet Markov spatial models. In IEEE, editor, *ICASSP 2013 : 38th International Conference on Acoustics, Speech, and Signal Processing*, pages 1927–1931, 2013.
- [13] D. Benboudjema, N. Othman, B. Dorizzi, and W. Pieczynski. Segmentation d'images des yeux par champs de Markov triplets : applications à la biométrie. In *XXIVème Colloque Gretsi*, 2013.
- [14] B.-E. Benkelfat, M. Korti, and A. Alfalou. Image encryption based on optical coherence multiplexing technique. In *ICO-24 : The 24th Congress of the International Commission for Optics*, 2017.
- [15] M. Blanc-Patin, M. Chevalier, A. Dupont, Y. Petetin, and E. Monfrini. Poursuite de cible par un senseur mobile ; repérage multisenseur de la position du senseur mobile. In *XXIVème Colloque Gretsi*, 2013.
- [16] M. E. Y. Boudaren, E. Monfrini, K. Beghdad Bey, W. Pieczynski, and A. Habbouchi. Unsupervised segmentation of nonstationary data using triplet Markov chains. In Scitepress, editor, *ICEIS 2017 : 19th International Conference on Enterprise Information Systems*, volume 1, pages 405–414, Setúbal, 2017.
- [17] C. Calo, B. Robillart, Y. Gottesman, F. Lamare, A. Martinez, B.-E. Benkelfat, A. Ramdane, K. Merghem, and A. Fall. Spectral and temporal phase measurement by optical frequency-domain reflectometry . In IEEE, editor, *IPRM 2014 : 26th International Conference on Indium Phosphide and Related Materials*, pages 1–2, 2014.
- [18] M. Campbell and D. Clark. Time-lapse estimation for optical telescope sequences. In URSI, editor, *URSI-France 2018 : Geolocation and navigation in space and time*, pages 1–8, 2018.
- [19] M. Campbell, I. Schlangen, E. Delande, and D. Clark. Image registration using single cluster PHD methods. In Maui Economic Development Board, editor, *AMOS 2017 : Advanced Maui Optical and Space Surveillance Technologies Conference*, volume 1, pages 723–742, Kihei, 2017.
- [20] M. Castella and J.-C. Pesquet. Optimization of a Geman-McClure like criterion for sparse signal deconvolution. In IEEE, editor, *CAMSAP 2015 : 6th International Workshop on Computational Advances in Multi-Sensor Adaptive Processing*, pages 317–320, 2015.
- [21] M. Castella and J.-C. Pesquet. A global optimization approach for rational sparsity promoting criteria. In EURASIP, editor, *EUSIPCO 2017 : 25th European Signal Processing Conference*, pages 156–160, 2017.
- [22] M. Castella and J.-C. Pesquet. Recovery of nonlinearly degraded sparse signals through rational optimization. In *SPARS 2017 : Signal Processing with Adaptive Sparse Structured Representations workshop*, pages 1–2, 2017.
- [23] D. Chaal, A. Lyhyaoui, and F. Lehmann. Optimization of a modular ad hoc land wireless system via joint source-network coding for correlated sensors. In International Publisher & C.O (IPCO), editor, *ACECS 2017 : 4th International Conference on Automation, Control Engineering and Computer Science*, volume 2, pages 21–24, Sousse, 2017.
- [24] R. Chauvat, P. Chevalier, and J.-P. Delmas. How to make quasi-rectilinear signals (MSK, GMSK, OQAM) almost equivalent to rectilinear ones (BPSK, ASK) for widely linear filtering in the presence of CCI. In *WSA 2015 : 19th International ITG Workshop on Smart Antennas*, pages 1–6, 2015.
- [25] R. Chauvat, P. Chevalier, and J.-P. Delmas. Widely linear FRESH receiver for SAIC/MAIC with frequency offsets. In *ISWCS 2015 : 12th International Symposium on Wireless Communication Systems*, 2015.
- [26] R. Chauvat, J.-P. Delmas, and P. Chevalier. Two and three inputs Widely Linear FRESH receivers for cancellation of a quasi-rectilinear interference with frequency offset. In IEEE, editor, *EUSIPCO 2016 : 24th European Signal Processing Conference*, pages 1398–1402, 2016.
- [27] P. Chevalier, R. Chauvat, and J.-P. Delmas. Quasi-rectilinear (MSK, GMSK, OQAM) co-channel interference mitigation by three inputs widely linear Fresh filtering. In *ICASSP 2015 : 40th International Conference on Acoustics, Speech and Signal Processing*, pages 2434–2438, 2015.
- [28] P. Chevalier, J.-P. Delmas, and R. Chauvat. Reception filter impact on widely linear FRESH receiver performance for SAIC/MAIC with frequency offsets. In IEEE, editor, *SAM 2016 : 9th IEEE Sensor Array and Multichannel Signal Processing Workshop*, pages 1–5, 2016.
- [29] D. Clark and F. De Melo. A linear-complexity second-order multi-object filter via factorial cumulants. In IEEE, editor, *FUSION 2018 : 21st international conference on Information Fusion*, pages 1–10, Los Alamitos, 2018.
- [30] J.-B. Courbot, V. Mazet, E. Monfrini, and C. Collet. Detection of faint extended sources in hyperspectral data and application to HDF-S MUSE observations. In IEEE, editor, *ICASSP 2016 : 41st International Conference on Acoustics, Speech and Signal Processing*, pages 1891–1895, 2016.

- [31] J.-B. Courbot, E. Monfrini, V. Mazet, and C. Collet. Oriented triplet Markov fields for hyperspectral image segmentation. In IEEE, editor, *WHISPERS 2016 : IEEE Workshop on Hyperspectral Imaging and Signal Processing : Evolution in Remote Sensing*, 2016.
- [32] J.-B. Courbot, E. Monfrini, V. Mazet, and C. Collet. Arbres de Markov triplets pour la segmentation d'images. In *GRETSI 2017 : XXVIème colloque*, pages 1–4, 2017.
- [33] J.-B. Courbot, E. Rust, E. Monfrini, and C. Collet. 2-step robust vertebra segmentation. In IEEE, editor, *IPTA 2015 : 5th International Conference on Image Processing Theory, Tools and Applications*, pages 157–162, 2015.
- [34] J.-B. Courbot, E. Rust, E. Monfrini, and C. Collet. Segmentation robuste de vertèbres. In *GRETSI 2015 : 25ème colloque sur le traitement du signal et des images*, pages 1–4, 2015.
- [35] J.-P. Delmas and H. Gazzah. CRB analysis of near-field source localization using uniform circular arrays. In IEEE, editor, *ICASSP 2013 : 38th IEEE International Conference on Acoustics, Speech and Signal Processing*, pages 3996–4000, 2013.
- [36] S. Derrode and W. Pieczynski. Filtrage exact dans les systèmes linéaires gaussiens à sauts markoviens. In *XXIVème Colloque Gretsi*, 2013.
- [37] S. Derrode and W. Pieczynski. Fast filter in non-linear systems with application to stochastic volatility model. In IEEE, editor, *EUSIPCO 2014 : 22nd European Signal Processing Conference*, pages 2410–2414, 2014.
- [38] A. El Abbous, N. Raissouni, N. Samama, and A. Azyat. A software post-processing method for GPS receiver's accuracy characterization. In IEEE, editor, *ICEIT 2015 : International Conference on Electrical and Information Technologies*, pages 154–159, 2015.
- [39] A. El Abbous and N. Samama. A modeling of GPS error distributions. In IEEE Computer Society, editor, *ENC 2017 : European Navigation Conference*, pages 119–127, Los Alamitos, 2017.
- [40] A. El Gonnouni and F. Lehmann. Deghosting method for multiple target tracking in a single frequency network. In IEEE, editor, *RADAR 2014 : International Radar Conference*, pages 1–6, 2014.
- [41] A. Fall, Y. Gottesman, and C. Lepers. Analyse temps-fréquence par OFDI pour la caractérisations de fibres multi-modes. In CCSD, editor, *JNOG 2014 : 34e Journées Nationales d'Optique Guidée*, pages 222–224, 2014.
- [42] A. Fall, E. Le Cren, K. Lengle, Y. Gottesman, L. Bramerie, P. Sansonetti, M. Gadonna, G. Martin, P. Guignard, L. Valencia, C. Populaire, D. Van Ras, D. Molin, M. Thual, and C. Lepers. Versatile graded-index multi-mode fiber for high capacity single- and multi-mode optical home network. In IEEE, editor, *ECOC 2014 : European Conference on Optical Communication*, pages 1–3, 2014.
- [43] S. Fazel, G. Chempakamadom, M. Lourdiane, and C. Lepers. Bit rate matching study for energy efficient optical transport network. In IEEE Computer Society, editor, *PhotonicsNorth 2015*, pages 1–1, Los Alamitos, 2015.
- [44] S. Fazel, M. Lourdiane, and C. Lepers. Extinction ratio and BER estimation of a three degree ROADM node with different WSS placement . In OSA publishing, editor, *ACP 2013 : Asia Communications and Photonics Conference*, pages paper AF4E.6–, 2013.
- [45] S. Fazel, M. Lourdiane, and C. Lepers. Three degree ROADM node design using different Wavelength Selective Switch placement . In IEEE, editor, *TELFOR 2013 : 21st Telecommunications Forum*, pages 157–159, 2013.
- [46] S. Fazel, M. Lourdiane, and C. Lepers. Long haul and high speed optical networks using dual polarization 2-band OFDM CS-NRZ-DQPSK signal . In SPIE Press, editor, *PHOTONICS NORTH 2014 : 16th Photonics North Conference*, volume 9288, pages 92880C–, 2014.
- [47] S. Fazel, M. Lourdiane, and C. Lepers. Off-line contention management in colorless directionless reconfigurable optical Add/Drop multiplexer node. In Optical Society of America publishing, editor, *ACPC 2015 : Asia Communications and Photonics Conference*, pages paper AM3G.5–, 2015.
- [48] S. Fazel, N. Rossi, P. Ramantanis, and Y. Frignac. Numerical Investigation and Scaling Rules for the Estimation of Nonlinear Interference Variability of Dispersion Managed and Systems in Presence of PMD and Kerr Effects . In *ECOC'2017 : 43rd European Conference on Optical Communication*, 2017.
- [49] E.-A. Fnaiech, C. Letrou, A. Ginestet, and G. Beauquet. Frame-based Gaussian beam shooting simulation of back-scattered fields in the presence of a building. In IEEE, editor, *ICEAA 2014 : International Conference on Electromagnetics in Advanced Applications*, pages 484–487, Torino, Italy, 2014.
- [50] E.-A. Fnaiech, C. Letrou, A. Ginestet, and G. Beauquet. Paraxial Gaussian beam shooting algorithm for 3D propagation simulation in built environments. In IEEE, editor, *ICEAA 2015 : International Conference on Electromagnetics in Advanced Applications*, pages 1155–1158, Turin, 2015.
- [51] H. Gazzah and J.-P. Delmas. Optimizing V antenna arrays using a Bayesian DOA estimation criterion. In IEEE, editor, *ICCSPA '13 : The First International Conference on Communications, Signal Processing, and their Applications*, pages 1–6, 2013.

- [52] H. Gazzah and J.-P. Delmas. Nonuniform linear antenna arrays for enhanced near field source localization. In IEEE, editor, *ICASSP 2014 : 39th IEEE International Conference on Acoustics, Speech and Signal Processing*, pages 2252–2256, 2014.
- [53] H. Gazzah and J.-P. Delmas. On isotropic circular arrays of anisotropic sensors. In IEEE, editor, *ISSPIT 2015 : International Symposium on Signal Processing and Information*, pages 95–99, 2015.
- [54] H. Gazzah, J.-P. Delmas, and S. M. Jesus. Improved direction finding using a maneuverable array of directional sensors. In *ICASSP 2015 : 40th International Conference on Acoustics, Speech and Signal Processing*, pages 2799–2803, 2015.
- [55] A. Ginestet, C. Letrou, G. Beauquet, and E.-A. Fnaiech. Adaptability of parabolic wave equation and Gaussian Beam Shooting methods to electromagnetic propagation in urban configurations. In IEEE, editor, *RADAR 2014 : International Radar Conference*, pages 1–6, 2014. In proceedings : 2014 International Radar Conference (RADAR).
- [56] I. Gorynin, S. Derrode, E. Monfrini, and W. Pieczynski. Exact fast smoothing in switching models with application to stochastic volatility. In IEEE, editor, *EUSIPCO 2015 : 23rd European Signal Processing Conference*, pages 924–928, 2015.
- [57] I. Gorynin, S. Derrode, E. Monfrini, and W. Pieczynski. Lissage rapide dans des modèles non linéaires et non gaussiens. In *Gretsi 2015 : XXVe colloque Gretsi*, pages 1–4, 2015.
- [58] I. Gorynin, E. Monfrini, and W. Pieczynski. Fast filtering with new sparse transition Markov chains. In IEEE, editor, *SSP 2016 : IEEE workshop on Statistical Signal Processing*, pages 1–5, 2016.
- [59] I. Gorynin, E. Monfrini, and W. Pieczynski. Unsupervised learning of Markov-switching stochastic volatility with an application to market data. In IEEE Computer Society, editor, *MLSP 2016 : 26th International Workshop on Machine Learning for Signal Processing*, pages 1–6, Los Alamitos, 2016.
- [60] I. Gorynin, E. Monfrini, and W. Pieczynski. Pairwise Markov models for stock index forecasting. In EURASIP, editor, *EUSIPCO 2017 : 25th European Signal Processing Conference*, pages 2095–2099, 2017.
- [61] I. Gorynin, E. Monfrini, and W. Pieczynski. Unsupervised learning of asymmetric high-order autoregressive stochastic volatility model. In IEEE Computer Society, editor, *ICASSP 2017 : 42nd International Conference on Acoustics, Speech and Signal Processing*, pages 4780–4784, Los Alamitos, 2017.
- [62] H. Hanzouli, J. Lapuyade-Lahorgue, E. Monfrini, W. Pieczynski, M. Hatt, D. Visvikis, and G. Delso. PET/CT image denoising and segmentation based on a multi observation and multi scale Markov tree model. In IEEE, editor, *NSS/MIC 2013 : IEEE Nuclear Science Symposium and Medical Imaging Conference*, pages 1–4, 2013.
- [63] R. Lamberti, T. Durier, F. Lehmann, D. Maltese, and Y. Petetin. Track-before-detect and PHD filter for multi-object tracking in infrared image sequences. In *SENSO 2014 : Sensors, Energy harvesting, wireless Network and Smart Objects*, 2014.
- [64] R. Lamberti, Y. Petetin, F. Septier, and F. Desbouvries. An improved SIR-based sequential Monte Carlo algorithm. In IEEE, editor, *SSP 2016 : IEEE workshop on statistical signal processing*, pages 1–5, 2016.
- [65] R. Lamberti, Y. Petetin, F. Septier, and F. Desbouvries. Particle filters with independent resampling. In IEEE, editor, *ICASSP 2016 : 41st International Conference on Acoustics, Speech and Signal Processing*, pages 3994–3998, 2016.
- [66] R. Lamberti, Y. Petetin, F. Septier, and F. Desbouvries. Rééchantillonage indépendant et semi-indépendant pour le filtrage particulaire. In *GRETISI 2017 : XXVIème colloque*, 2017.
- [67] R. Lamberti, Y. Petetin, F. Septier, and F. Desbouvries. A double proposal normalized importance sampling estimator. In *IEEE Statistical Signal Processing Workshop*, 2018.
- [68] R. Lamberti, F. Septier, N. Salman, and L. Mihaylova. Sequential Markov Chain Monte Carlo for multi-target tracking with correlated RSS measurements. In *Intelligent sensors, sensor networks and Information Processing (ISSNIP)*, 2015.
- [69] F. Lehmann, D. Chaal, and A. Lyhyaoui. Proposition of a Bayesian model for the propagation of the information in a wireless sensor network. In IEEE Computer Society, editor, *AICCSA 2015 : 12th International Conference of Computer Systems and Applications*, pages 1–8, Los Alamitos, 2015.
- [70] C. Lepers, D. Amar, F. Gillet, and D. Chiaroni. On the Interest of WDM-Colored Optical Packets in Metro Aggregation Networks. In OSA, editor, *ACP'2017 : Asia Communications and Photonics Conference*, 2017.
- [71] C. Letrou and A. Boag. Fast near-field physical optics algorithm. In IEEE, editor, *ICEAA 2013 : International Conference on Electromagnetics in Advanced Applications*, pages 37–37, 2013.
- [72] C. Letrou and A. Boag. Near-field multilevel physical optics for fast analysis of multi-reflector antennas. In IEEE, editor, *EMTS '13 : International Symposium on Electromagnetic Theory*, pages 792–795, 2013.

- [73] C. Letrou, I. Gershenson, Y. Brick, and A. Boag. Physical Optics versus Gaussian Beam Shooting for shadow field analysis in high frequency regime. In IEEE, editor, *EMTS 2016 : URSI Commission B International Symposium on Electromagnetic Theory*, pages 328–330, 2016.
- [74] C. Letrou, I. Gershenson, M. Hariz, and A. Boag. Fast beam-based analysis of monostatic scattering. In IEEE, editor, *2017 International Conference on Electromagnetics in Advanced Applications (ICEAA)*, pages 810–811, 2017.
- [75] C. Letrou, V. B. Khaikin, and A. Boag. Analysis of Very Large Radio Telescope Antennas Using Multilevel Physical Optics Algorithm. In IEEE, editor, *USNC-URSI 2015 : Radio Science Meeting*, pages 365–, 2015.
- [76] C. Letrou, M. K. Lebedev, V. B. Khaikin, and A. Boag. Analysis of RATAN-600 radiation patterns in new operation modes using the MLPO algorithm. In IEEE, editor, *2017 IEEE International Conference on Microwaves, Antennas, Communications and Electronic Systems (COMCAS)*, pages 1–3, 2017.
- [77] Y. Lu, A. Vervisch-Picois, and N. Samama. First theoretical aspects of a cm-accurate GNSS-based indoor positioning system. In *IPIN 2013 : International Conference on Indoor Positioning and Indoor Navigation*, 2013.
- [78] Y. Lu, A. Vervisch-Picois, and N. Samama. GNSS-based high precision indoor positioning : methods and challenges. In *JETSAN 2013 : Journées d'Etude en TéléSanté*, 2013. <http://www.allianstic.fr/fr/actualites/presentations-jetsan-2013>.
- [79] Y. Lu, A. Vervisch-Picois, and N. Samama. Cycle slips detection and repair for high accuracy GNSS-based indoor positioning. In IEEE, editor, *IPIN 2014 : International Conference on Indoor Positioning and Indoor Navigation*, pages 481–490, 2014.
- [80] H. Mehrez, R. Barak, A. Ghazel, G. I. Abib, and M. Muller. A reconfigurable multistandard GNSS receiver setup operating in L1/L2 bands. In IEEE Computer Society, editor, *ICMCS 2016 : 5th International Conference on Multimedia Computing and Systems*, pages 1–6, Los Alamitos, 2016.
- [81] H. Mehrez, A. Othman, R. Barak, G. I. Abib, A. Ghazel, and M. Muller. Multiband GNSS receiver design simulation and experimental characterization. In IEEE Computer Society, editor, *IDT 2016 : 11th International Design & Test Symposium*, pages 43–46, Los Alamitos, 2016.
- [82] A. Narykov, E. Delande, D. Clark, Y. Petillot, and P. Thomas. Second-order statistics for threat assessment with the PHD filter. In IEEE Computer Society, editor, *SSPD 2017 : Sensor Signal Processing for Defence Conference*, pages 1–5, Los Alamitos, 2017.
- [83] I.-D. Nemoianu, C. Greco, M. Castella, B. Pesquet-Popescu, and C. Cagnazzo. On a practical approach to source separation over finite fields for network coding applications. In IEEE, editor, *ICASSP 2013 : 38th IEEE International Conference on Acoustics, Speech and Signal Processing*, pages 1335–1339, 2013.
- [84] D. Ouled Amar, E. Le Rouzic, N. Brochier, and C. Lepers. Multilayer restoration in elastic optical networks. In IFIP-IEEE, editor, *ONDM 2015 : International Conference on Optical Network Design and Modeling*, pages 239–244, 2015.
- [85] D. Ouled Amar, E. Le Rouzic, N. Brochier, C. Lepers, and E. Bonetto. Traffic forecast impact on spectrum fragmentation in gridless optical networks. In IEEE, editor, *ECOC 2014 : European Conference on Optical Communication*, pages 1–3, 2014.
- [86] D. Ouled Amar, E. Le Rouzic, N. Brochier, C. Lepers, S. Fazel, N. Perrot, and J.-L. Auge. How problematic is Spectrum Fragmentation in operator's Gridless network ? In IFIP-IEEE, editor, *ONDM 2014 : Conference on Optical Networking Design and Modeling*, pages 67–72, 2014.
- [87] A. Patarot, M. Boukallel, and S. Lamy-Perbal. A case study on sensors and techniques for pedestrian inertial navigation. In IEEE, editor, *ISISS 2014 : 1st IEEE International Symposium on Inertial Sensors and Systems*, pages 1–4, 2014.
- [88] A. Patarot, M. Boukallel, S. Lamy-Perbal, N. Samama, and A. Vervisch-Picois. Pedestrian indoor positioning techniques : a survey. In *JETSAN 2013 : Journées d'Etude sur la Telesante*, 2013.
- [89] A. Patarot, M. Boukallel, S. Lamy-Perbal, and A. Vervisch-Picois. Belt mounted IMU with enhanced distance estimation for pedestrian indoor positioning . In IEEE, editor, *IPIN 2013 : International Conference on Indoor Positioning and Indoor Navigation*, pages 1–10, 2013.
- [90] Y. Petetin and F. Desbouvries. Un nouvel algorithme de filtrage dans les modèles de Markov à saut linéaires et Gaussiens. In *XXIVème Colloque Gretsi*, 2013.
- [91] Y. Petetin and F. Desbouvries. Exact Bayesian estimation in constrained Triplet Markov Chains . In *2014 MLSP : IEEE International Workshop on Machine Learning for Signal Processing*, pages 1–6, 2014.
- [92] Y. Petetin and F. Desbouvries. Un algorithme d'estimation non supervisée dans des modèles Markoviens à sauts. In *Gretsi 2015 : XXVe colloque Gretsi*, 2015.
- [93] Y. Petetin, M. Morelande, and F. Desbouvries. Filtrage particulaire marginalisé pour la poursuite multi-objets. In *XXIVème Colloque Gretsi*, 2013.

- [94] W. Pieczynski. *Exact calculation of optimal filters in hidden Markov switching long-memory chain*, chapter Essays on mathematics and statistics : Volume 3, pages 193–202. ATINER, Athens, 2013.
- [95] W. Pieczynski, S. Derrode, N. Abbassi, F. Desbouvries, and Y. Petetin. Exact optimal filtering in an approximating switching system. In Arts-Pi, editor, *TAIMA 2013 : Traitement et Analyse de l'Information Méthodes et Applications*, 2013.
- [96] P. Ramantanis, C. Delezoide, P. Jenneve, Y. Frignac, S. Bigo, R.-J. Essiambre, and P. Layec. On the Bit Error Rate of Optical Transmission Systems Corrupted by Bivariate Additive White Gaussian Noise. In *ECOC'2017 : 43rd European Conference on Optical Communication*, 2017.
- [97] J. Renaudier, A. Carbo Meseguer, A. Ghazisaeidi, R. Rios Muller, F. Blache, B. Duval, M. Achouche, F. Morin, A. Boutin, H. Debregas, K. Mekhazni, R. Brenot, and P. Tran. First 100-nm Continuous-Band WDM Transmission System with 115Tb/s Transport over 100km Using Novel Ultra-Wideband Semiconductor Optical Amplifiers. In *ECOC'2017 : The 43rd European Conference on Optical Communication*, 2017.
- [98] B. Robillart, C. Calo, A. Fall, Y. Gottesman, B.-E. Benkelfat, and F. Lamare. Spectral and temporal phase measurement by Optical Frequency-Domain Reflectometry. In SPIE Press, editor, *PHOTONICS WEST 2014 : Fiber Lasers XI Conference*, volume 8961, "Fiber Lasers XI : Technology, Systems, and Applications", pages 8961-34 –, Bellingham, 2014.
- [99] M. Sadok, J.-P. Delmas, and P. Chevalier. Enhanced single antenna interference cancellation from MMSE third-order complex Volterra filters. In IEEE Computer Society, editor, *ICASSP 2017 : 42nd International Conference on Acoustics, Speech and Signal Processing*, pages 4197–4201, Los Alamitos, 2017.
- [100] M. Sadok, J.-P. Delmas, and P. Chevalier. SAIC pour une interférence circulaire au second-ordre par filtrage de Volterra complexe d'ordre 3. In *GRETISI 2017 : XXVIème colloque*, pages 1–4, 2017.
- [101] P. Samadi, D. Amar, C. Lepers, K. Bergman, and M. Lourdiane. Quality of Transmission Prediction with Machine Learning for Dynamic Operation of Optical WDM Networks. In *ECOC 2017 : 43rd European Conference and exhibition on Optical Communication*, pages 1–3, 2017. <http://lightwave.ee.columbia.edu/?s=publications>.
- [102] N. Samama. Localisation indoor et outdoor. In *JNM 2013 : 18e Journées Nationales Microondes*, 2013.
- [103] N. Samama. Les nouvelles problématiques de la localisation de l'homme connecté. In URSI, editor, *JS 2014 : Journées scientifiques de l'URSI*, pages 175–176, Paris, 2014.
- [104] N. Samama, A. Vervisch-Picois, and Y. Lu. Localization by analysis of the geometrical deformation of a network of communicating entities . In IEEE, editor, *IPIN 2014 : International Conference on Indoor Positioning and Indoor Navigation*, pages 473–480, 2014.
- [105] N. Samama, A. Vervisch-Picois, and T. Taillandier-Loize. A GNSS-based inverted radar for carrier phase absolute indoor positioning purposes : first experimental results with GPS signals. In IEEE, editor, *IPIN 2016 : 7th International Conference on Indoor Positioning and Indoor Navigation*, pages 1–8, 2016.
- [106] N. Samama, A. Vervisch-Picois, and T. Taillandier-Loize. A GNSS-like indoor positioning system implementing an inverted radar approach : simulation results with a 6/7-antenna single transmitter. In IEEE, editor, *IPIN 2016 : 7th International Conference on Indoor Positioning and Indoor Navigation*, pages 1–8, 2016.
- [107] I. Schlangen, V. Bharti, E. Delande, and D. Clark. Joint multi-object and clutter rate estimation with the single-cluster PHD filter. In IEEE Computer Society, editor, *ISBI 2017 : IEEE 14th International Symposium on Biomedical Imaging*, pages 1087–1091, Los Alamitos, 2017.
- [108] A. Seck, P. Ramantanis, J. Vuong, C. Lepers, Y. Frignac, and D. F. Bendimerad. Novel carrier phase estimation scheme for polarization switched-QPSK-based transmission systems. In OSA, editor, *OFC/NFOEC '13 : The Optical Fiber Communication Conference and Exposition and the National Fiber Optic Engineers Conference*, 2013.
- [109] N. Selmene, S. Blayac, M. Muller, and G. I. Abib. Compact acquisition system for a flexible large area monoport tactile surface. In IEEE, editor, *MIKON 2016 : 21st International Conference onMicrowave, Radar and Wireless Communications*, pages 1–4, 2016.
- [110] N. Selmene, S. Blayac, M. Muller, and G. I. Abib. Innovative large area touch sensor : design and tests of a compact acquisition system. In IEEE, editor, *SAS 2016 : IEEE Sensors Applications Symposium*, pages 1–6, 2016.
- [111] N. Selmene, M. Muller, S. Blayac, and G. I. Abib. Système de détection compact pour dalle tactile monoport. In *JNM 2015 : 19ème Journées Nationales Microondes*, 2015.
- [112] I. Selmi, N. Samama, and A. Vervisch-Picois. A new approach for decimeter accurate GNSS indoor positioning using carrier phase measurements. In IEEE, editor, *IPIN 2013 : International Conference on Indoor Positioning and Indoor Navigation*, pages 1–6, 2013.
- [113] I. Selmi and A. Vervisch-Picois. Positioning results of the repealite based indoor positioning system in a small room. In *JETSAN 2013 : Journées d'étude sur la Télésanté*, 2013.

- [114] I. Selmi, A. Vervisch-Picois, Y. Gottesman, and N. Samama. GNSS-based calibration of the infrastructure of the repealite indoor positioning system. In IEEE, editor, *IPIN 2013 : International Conference on Indoor Positioning and Indoor Navigation*, pages 1–7, 2013.
- [115] I. Selmi, A. Vervisch-Picois, and N. Samama. Design of new codes for reducing interference between GNSS-Like signals transmitted indoors. In IEEE, editor, *IPIN 2013 : International Conference on Indoor Positioning and Indoor Navigation*, pages 1–9, 2013.
- [116] A. Vervisch-Picois and N. Samama. Delta Carrier Range algorithm for indoor positioning : application to pseudolite-like transmitters. In IEEE, editor, *IPIN 2016 : 7th International Conference on Indoor Positioning and Indoor Navigation*, pages 1–8, 2016.
- [117] A. Vervisch-Picois, N. Samama, and T. Taillandier-Loize. Influence of GNSS spoofing on drone in automatic flight mode. In Ecole nationale de l'aviation civile, editor, *ITSNT 2017 : 4th International Symposium of Navigation and Timing*, pages 1–9, Toulouse, 2017.
- [118] M. Yahiaoui, E. Monfrini, and B. Dorizzi. Implementation of unsupervised statistical methods for low-quality iris segmentation. In IEEE, editor, *SITIS 2014 : 10th International Conference on Signal-Image Technology and Internet-Based Systems*, pages 566–573, 2014.
- [119] Q. Zou. Properties of compound cavity modes of a feedback semiconductor laser with an arbitrary feedback level. In *ICONO/LAT '13 : International Conference on Coherent and Nonlinear optics and International Conference on Lasers, Applications, and Technologies*, 2013.
- [120] Q. Zou. Multimode semiconductor lasers under strong optical feedback : analysis based on an equivalent-reflection-coefficient approach. In *ESLW 2014 : European Semiconductor Laser Workshop*, 2014.
- [121] Q. Zou, Y. Frignac, and B.-E. Benkelfat. Analytical investigation of linear stability of injection-locked semiconductor lasers. In OSA Publishing, editor, *IS-PALD 2017 : International Symposium on Physics and Applications of Laser Dynamics*, 2018.

Livres et chapitres de livres

- [1] M. Castella, E. Moreau, and V. Zarzoso. *A survey of kurtosis optimization schemes for MISO source separation and equalization*, chapter Advances in heuristic signal processing and applications, pages 183–217. Springer, Heidelberg ; New-York ; Dordrecht [etc.], 2013.
- [2] J.-P. Delmas. *Performance bounds and statistical analysis of DOA estimation*, volume 3 of *Academic Press library in signal processing*, chapter Array and statistical signal processing, 5 vol., pages 719–764. Elsevier, Amsterdam, 2015.
- [3] R. Douc, E. Moulines, and D. Stoffer. *Nonlinear time series : theory, methods and applications with R examples*. Texts in statistical science. Chapman et Hall - CRC Press, Boca Raton, 2014.