

PUBLICATIONS

AHCÈNE BOUNCEUR

1 Patents

1. Suidia (e-Health-Platform)
 - Software Repository: SATT (Sociétés d'Accélération du Transfert de Technologies)
 - IDDN certificate: *IDDN.FR.001.020005.000.S.P.2015.000.10000* of 05/01/15.
 - A. Bounceur, E. L'Her et E. Sonnet, Plateforme de télémédecine pour le suivi à distance, par tablettes ou smartphones, des patientes atteintes du diabète gestationnel. **L'application de télémédecine la plus évoluée en France dans le domaine du diabète gestationnel (Congrès de la Société Francophone du Diabète, Bordeaux, Mars 2015).**
 - <https://www.suidia.fr>

2 Scientific Publications

2.1 Reports (HDR, Ph.D., Masters) (4)

- [1] A. Bounceur, **Modèles et Simulation pour le Test de Circuits Mixtes, la Fouille de Données et les Réseaux de Capteurs Sans Fil**, Habilitation à Diriger des Recherches. Laboratoire Lab-STICC, Université de Bretagne Occidentale (UBO), 2014.
- [2] A. Bounceur, **Plateforme CAO pour le test de circuits mixtes**, Thèse de doctorat, INPG, Grenoble, avril 2007.
- [3] A. Bounceur, **Outil de CAO pour la validation des techniques d'auto-test des circuits microélectroniques**, Rapport de DEA, ENSIMAG, INPG, Grenoble, septembre 2003.
- [4] A. Bounceur, **Gestion optimale des silos à céréales de l'entreprise Cevital**, Rapport de fin d'études, Université de Béjaïa, septembre 2002.

2.2 Books (5)

- [1] Djallel Eddine Boubiche, Faouzi Hidoussi, Ahcène Bounceur. International conference on Big Data and Advanced Wireless technologies (BDAW'2016). ACM International Conference Proceedings Series, Blagoevgrad, Bulgaria, November 10-11, 978-1-4503-4779-2.
- [2] Djallel Eddine Boubiche, Faouzi Hidoussi, Lyamine Guezouli, Ahcène Bounceur, Homero Toral. International Conference on Internet of things and Cloud Computing (ICC'2016). March 2016, Cambridge, United Kingdom. ACM International Conference Proceedings Series, 2016, 978-1-4503-4063-2.
- [3] M. Sevaux, M. Vecchio, and A. Bounceur, editors. Special issue on Algorithms for Wireless Sensor Networks. Algorithms. MDPI, 2015. Disponible en ligne.
- [4] A. Bounceur. Tutoriel Java: Le Monde des Objets. EDA Publishing Edition (ISBN : 978-2-3550-0004-1), 108 pages, 2007.
- [5] A. Bounceur. Delphi, le nécessaire pour débiter. EDA Publishing Edition (ISBN : 978-2-3550-0005-8), 55 pages, 2007.

2.3 Manuals (2)

- [1] A. Bounceur. CupCarbon User Guide, 2017.
- [2] A. Bounceur. RMS CAT Platform, Manuel d'utilisation de la plateforme de simulation de fautes analogiques sous Cadence, 2007.

2.4 Demo Papers (2)

- [1] Ahcène Bounceur, Olivier Marc, Massinissa Lounis, Julien Soler, Laurent Clavier, Pierre Combeau, Rodolphe Vauzelle, Loic Lagadec, Reinhardt Euler, Madani Bezoui and Pietro Manzoni, CupCarbon-Lab: An IoT Emulator. In the Proceedings of IEEE Consumer Communications & Networking Conference (CCNC 2018), 12-15 January 2018, Las Vegas, USA.
- [2] M. Lounis, K. Mehdi, A. Bounceur. A CupCarbon Tool for Simulating Destructive Insect Movements. 1st IEEE International Conference on Information and Communication Technologies for Disaster Management (ICT-DM'14), Algiers, Algeria, March 24-25, 2014.

2.5 Keynote Speaker (6)

- [1] Ahcène Bounceur, Finding the boundary nodes of a WSN using the D-LPCN algorithm and its simulation under CupCarbon, In the 1st EAI International Conference on Future Internet Technologies and Trends (ICFITT 2017), August 31-September 2, 2017, Surat, India.
- [2] Ahcène Bounceur, From Smart-city and IoT Simulation to Big Data Generation, In the 2nd ACM International Conference on Internet of things and Cloud Computing (ICC 2017), Keynote Speaker, Cambridge city, Churchill College. University of Cambridge, United Kingdom. 22-23 March 2017.
- [3] Ahcène Bounceur, Big-Data: La troisième révolution informatique, La première édition du Congrès Annuel sur les Sciences et Technologies Appliquées (CASTA'16), Keynote Speaker, Boumerdes, Algeria. 18-20 septembre, 2016.
- [4] Ahcène Bounceur, CupCarbon: A New Platform for Designing and Simulating Smart-City and IoT Wireless Sensor Networks, Keynote Speaker, 5ème édition des journées "Big Data Mining and Visualization", Université de Lorraine, 23-24 juin 2016.
- [5] Ahcène Bounceur, CupCarbon: A New Platform for Designing and Simulating Smart-City and IoT Wireless Sensor Networks (SCI-WSN), In the International Conference on Internet of things and Cloud Computing (ICC 2016), The Moller Center Churchill College, University of Cambridge, United Kingdom, 22-23 March 2016.
- [6] Ahcène Bounceur, CupCarbon: A New Platform for Designing and Simulating Smart-City & IoT Wireless Sensor Networks (SCI-WSN), In the International conference on Intelligent Information Processing, Security and Advanced Communication, IPAC'2015, University Hadj Lakhdar of Batna, Algeria, 23-25 November 2015.

2.6 Invited Talk and Papers (9)

- [1] Ahcène Bounceur, Distributed Algorithms for Leader Election in Wireless and IoT Networks, Présentation invitée, GT-OSI, Jussieux, Paris, October 20, 2017.
- [2] Ahcène Bounceur, Madani Bezoui, Reinhardt Euler and Marc Sevaux, Finding the Boundary Nodes of a Wireless Sensor Network Without Conditions on the Starting Node, Invited talk, EURO 2016, Poznan.
- [3] Ahcène Bounceur, From Smart-city and IoT Simulation to Big Data Generation, Invited talk, University of Bejaia, July 2016.
- [4] Ahcène Bounceur, Laurent Clavier, Pierre Olivier, Olivier Marc, Plateforme logicielle CupCarbon de conception et de simulation des réseaux de capteurs sans fil de nouvelle génération dédiée aux smart-cities, Séminaire IRCICA autour des réseaux de capteurs, 6 novembre 2015, IRCICA, Lille.
- [5] Ahcène Bounceur, Trouver l'Enveloppe Polygone d'un Réseau de Capteurs Sans Fil : Théorie et Pratique, Séminaire, Université Clermont-Ferrand, Juillet 2015.
- [6] Ahcène Bounceur, Trouver l'Enveloppe Polygone d'un Réseau de Capteurs Sans Fil : Théorie et Pratique, séminaire, GDR-RO, CEA, Paris, May 2015.
- [7] Ahcène Bounceur, Reinhardt Euler, Ali Benzerbadj, Farid Lalem, Massinissa Saoudi, Tahar Kechadi, Marc Sevaux, Finding a Polygon Hull in Wireless Sensor Networks, Invited talk, EURO 2015, Glasgow.
- [8] S. Mir, H.-G. Stratigopoulos, M. Dubois, and A. Bounceur, Evaluation of parametric test metrics for mixed-signal/RF DFT solutions using statistical techniques, Catrene European Nanoelectronics Design Technology Conference, Grenoble, France, June 2011.
- [9] Salvador Mir, Haralampos-G. D. Stratigopoulos, Ahcène Bounceur, Density estimation for analog/RF test problem solving. Invited Talk, IEEE VLSI Test Symposium (VTS'10).

2.7 Book Chapters (3)

- [1] M. Bentobache, A. Bounceur, R. Euler, Y. Kieffer, S. Mir, Minimizing test frequencies for linear analog circuits: new models and efficient solution methods. Chapter in VLSI-SoC, Springer, 2015.
- [2] A. Bounceur, S. Mir, L. Rolíndez and E. Simeu. CAT platform for analogue and mixed-signal test evaluation and optimization. Chapter in IFIP International Federation for Information Processing, Volume 249, VLSI-SoC: Research trends in VLSI and Systems on Chip. De Micheli, G., Mir, S., Reis, R. (Eds.), (Boston: Springer), 2007, pp. 281-300.
- [3] A. Dhayni, S. Mir, L. Rufer and A. Bounceur. On-chip Pseudorandom Testing for Linear and Non-linear MEMS. Chapter in VLSI-SoC : From Systems to Silicon. R. Reis, A. Osseiran, H.-J. Pfliederer (Eds.), Springer, Vol. 240, 2007, pp. 245-266.

2.8 International Journals (18)

- [1] A. Benzerbadj, B. Kechar, A. Bounceur, B. Pottier, Surveillance of Sensitive Fenced Areas Using Duty-Cycled Wireless Sensor Networks With Asymmetrical Links, *Journal of Network and Computer Applications (JNCA)*, Elsevier, March, 2018.
- [2] A. Laouid, A. Dahmani, A. Bounceur, R. Euler, F. Lalem, H. R. Hassen, A. Tari, A Self-managing Volatile Key Scheme for Wireless Sensor Networks, *Journal of Ambient Intelligence and Humanized Computing (JAIHC)*, Springer, March, 2018.
- [3] A. Benzerbadj, B. Kechar, A. Bounceur, B. Pottier, Cross-Layer Greedy Position-Based Routing for Multihop Wireless Sensor Networks in a Real Environment, *Ad Hoc Networks Journal*, Elsevier, 4 January 2018, DOI: 10.1016/j.adhoc.2018.01.003.
- [4] M. Lounis A. Bounceur, R. Euler, B. Pottier, Estimation of Energy Consumption through Parallel Computing in Wireless Sensor Networks, *Journal of Ambient Intelligence and Humanized Computing*, Springer, August 2017, DOI: 10.1007/s12652-017-0582-5.
- [5] A. Laouid, A. Dahmani, A. Bounceur, R. Euler, F. Lalem, A. Tari, A Distributed Multi-path Routing Algorithm to Balance Energy Consumption in Wireless Sensor Networks, *Ad Hoc Networks Journal*, Elsevier, Volume 64, 53-64, 21 June 2017, DOI: 10.1016/j.adhoc.2017.06.006.
- [6] Massinissa Saoudi, Farid Lalem, Ahcène Bounceur, Reinhardt Euler, M-Tahar Kechadi, Abdelkader Laouid, Madani Bezoui, Marc Sevaux, D-LPCN: A Distributed Least Polar-angle Connected Node Algorithm for Finding the Boundary of a Wireless Sensor Network, *Ad Hoc Networks Journal*, Elsevier, Volume 56, 1 March 2017, Pages 56-71, DOI: 10.1016/j.adhoc.2016.11.010.
- [7] Farid Lalem, Ahcène Bounceur, Madani Bezoui, Massinissa Saoudi, Reinhardt Euler, Tahar Kechadi and Marc Sevaux. LPCN: Least Polar-angle Connected Node Algorithm to Find a Polygon Hull in a Connected Euclidean Graph, *Journal of Network and Computer Applications (JNCA)*, Elsevier, 2017. DOI: 10.1016/j.jnca.2017.05.005
- [8] Habib Aissaoua, Makhlof Aliouat, Ahcène Bounceur, Reinhardt Euler. A Distributed Consensus-based Clock Synchronization Protocol for Wireless Sensor Networks, *Journal of Wireless Personal Communications*, Springer, Volume 95, Number 4, 4579-4600, 2017.
- [9] A. Abuarqoub, M. Hammoudeh, B. Adebisi, S. Jabbar, A. Bounceur, H. Al-Bashar, Dynamic Clustering and Management of Mobile Wireless Sensor Networks, *Computer Networks*, Available online 3 February 2017, ISSN 1389-1286, <http://dx.doi.org/10.1016/j.comnet.2017.02.001>.
- [10] Mohammad Hammoudeh, Fayez Al-Fayez, Huw Lloyd, Robert Newman, Bamidele Adebisi, Ahcène Bounceur and Abdelrahman Abuarqoub, A Wireless Sensor Network Border Monitoring System: Deployment Issues and Routing Protocols, *IEEE Sensors*, Vol. 14, No. 8, October 2016.
- [11] O. Aldabbas, A. Abuarqoub, M. Hammoudeh, U. Raza, A. Bounceur. "Unmanned Ground Vehicle for Data Collection in Wireless Sensor Networks: Mobility-aware Sink Selection" *The Open Automation and Control Systems Journal* 8 (1) 2016.
- [12] R. Houari, A. Bounceur, T. Kechadi, K. Tari, R. Euler. Dimensionality Reduction in Data Mining: Copula Approach. *Expert Systems With Applications Journal (ESWA)*, Volume 64, 1 December 2016, Pages 247-260.
- [13] Kamel Beznia, Ahcène Bounceur, Reinhardt Euler, Salvador Mir, A Tool For Analog/RF BIST Evaluation Using Statistical Models of Circuit Parameters, *ACM Transactions on Design Automation of Electronic Systems (TODAES)*, 2015, 20 (2), Article No. 31.
- [14] A. Bounceur, S. Mir, H-G. D. Stratigopoulos, Estimation of Analog Parametric Test Metrics Using Copulas, *IEEE Transactions on CAD of Integrated Circuits and Systems* 30(9): 1400-1410, 2011.

- [15] H-G. D. Stratigopoulos, S. Mir, A. Bounceur, Evaluation of Analog/RF Test Measurements at the Design Stage. *IEEE Transactions on CAD of Integrated Circuits and Systems* 28(4): 582-590, 2009.
- [16] A. Dhayni, S. Mir, L. Rufer, A. Bounceur, E. Simeu, Pseudorandom BIST for test and characterization of linear and nonlinear MEMS. *Microelectronics Journal* 40(7): 1054-1061, 2009.
- [17] A. Bounceur, S. Mir, E. Simeu and L. Rolíndez. Estimation of test metrics for the optimisation of analogue circuit testing. *Journal of Electronic Testing: Theory and Applications*, Springer Science+Business Media, 23(6), December 2007, pp. 465-663.
- [18] L. Rolíndez, S. Mir, A. Bounceur and J.-L. Carbonéro. A BIST Scheme for SNDR Testing of Sigma Delta ADCs Using Sine-Wave Fitting. *Journal of Electronic Testing: Theory and Applications*, Springer Science+Business Media, 22(4-6), 2006, pp. 325-335.

2.9 National Journals (1)

- [1] S. Gaulier, E. Sonnet, P. Thuillier, G. Crouzeix, A. Bounceur, V. Kerlan, Évaluation d'un programme de suivi de patientes avec un diabète gestationnel par télé-médecine : expérience brestoise, *Journal de Médecine des maladies Métaboliques*, Octobre 2017, Vol. 11, N°6.

2.10 International Conferences (71)

- [1] Umber Noreen, Laurent Clavier, Ahcène Bounceur, LoRa-like CSS-based PHY Layer Capture Effect and Serial Interference Cancellation, In the 24th European Wireless (EW'2018), 2-4 May 2018, Catania, Italy.
- [2] Ahcène Bounceur, Laurent Clavier, Pierre Combeau, Olivier Marc, Rodolphe Vauzelle, Arnaud Masserann, Julien Soler, Reinhardt Euler, Taha Alwajeeh, Vyas Devendra, Umber Noreen, Emilie Soret, Massinissa Lounis. CupCarbon: A New Platform for the Design, Simulation and 2D/3D Visualization of Radio Propagation and Interferences in IoT Networks. In the Proceedings of IEEE Consumer Communications & Networking Conference (CCNC 2018), 12-15 January 2018, Las Vegas, USA.
- [3] Ahcène Bounceur, Madani Bezoui, Massinissa Lounis, Reinhardt Euler, Ciprian Teodorov, A New Dominating Tree Routing Algorithm for Efficient Leader Election in IoT Networks. In the Proceedings of IEEE Consumer Communications & Networking Conference (CCNC 2018), 12-15 January 2018, Las Vegas, USA.
- [4] Ahcène Bounceur, Madani Bezoui, Reinhardt Euler, Farid Lalem, A Wait-Before-Starting Algorithm for Fast, Fault-Tolerant and Low Energy Leader Election in WSNs Dedicated to Smart-Cities and IoT, In the IEEE Sensors 2017 Conference, Glasgow, Scotland, UK, October 29-November 1, 2017.
- [5] Madani Bezoui, Ahcène Bounceur, Reinhardt Euler, Farid Lalem, Laouid Abdelkader, A New Algorithm for Finding a Dominating Set in Wireless Sensor and IoT Networks Based on the Wait-Before-Starting Concept, In the IEEE Sensors 2017 Conference, Glasgow, Scotland, UK, October 29-November 1, 2017.
- [6] Ahcène Bounceur, Madani Bezoui, Reinhardt Euler, Farid Lalem, Massinissa Lounis, A Revised BROGO Algorithm for Leader Election in Wireless Sensor and IoT Networks, In the IEEE Sensors 2017 Conference, Glasgow, Scotland, UK, October 29-November 1, 2017.
- [7] Madani Bezoui, Ahcène Bounceur, Reinhardt Euler, Mustapha Moulai, A New Distributed Algorithm for Finding Dominating Sets in IoT Networks under Multiple Criteria, In the 12th International Conference on Multiple Objective Programming and Goal Programming (MOPGP 2017), 30-31 October 2017, Metz, France.
- [8] Madani Bezoui, Ahcène Bounceur, Reinhardt Euler, Mustapha Moulai, A game theory approach to solve linear bi-objective programming problems: application to data collection in WSNs, In the 12th International Conference on Multiple Objective Programming and Goal Programming (MOPGP 2017), 30-31 October 2017, Metz, France.
- [9] Madani Bezoui, Ahcène Bounceur, Reinhardt Euler, Mustapha Moulai, A multi-criteria decision support tool for ranking exploration projects of the Sonatrach oil upstream, In the 12th International Conference on Multiple Objective Programming and Goal Programming (MOPGP 2017), 30-31 October 2017, Metz, France.
- [10] Ahcène Bounceur, Madani Bezoui, Umber Noreen, Reinhardt Euler, Farid Lalem, Mohammad Hammoudeh, and Sohail Jabbar, LOGO: A New Distributed Leader Election Algorithm in WSNs with Low Energy Consumption, In the 1st EAI International Conference on Future Internet Technologies and Trends (ICFITT 2017), August 31-September 2, 2017, Surat, India.
- [11] Ahcène Bounceur, Madani Bezoui, Reinhardt Euler, Nabil Kadjouh and Farid Lalem, BROGO: A New Low Energy Consumption Algorithm for Leader Election in WSNs, **INVITED PAPER** in the 10th IEEE International Conference on the Developments in eSystems Engineering (DeSE 2017), 14-16 June 2017, Paris, France.

- [12] Umber Noreen, Ahcène Bounceur, Laurent Clavier, Modeling Interference for Wireless Sensor Network Simulator, In the 1st International Workshop Smart Technologies (WOSTech'17), July 2017, Cambridge, United Kingdom.
- [13] Umber Noreen, Ahcène Bounceur and Laurent Clavier, A Study of LoRa Low Power and Wide Area Network Technology, In the 3rd IEEE International Conference on Advanced Technologies for Signal and Image Processing (ATSIP'2017), Fez, Morocco, May 22-24, 2017.
- [14] Farid Lalem, Ahcène Bounceur, Reinhardt Euler, Mohammad Hammoudeh, Rahim Kacimi, and Sanaa Kawther Ghalem, Distributed Faulty Sensor Node Detection in Wireless Sensor Networks based on Copula Theory. In the Second ACM International Conference on Internet of Things, Data and Cloud Computing (ICC 2017), March 2017, Cambridge, United Kingdom.
- [15] Sanaa Kawther Ghalem, Bouabdellah Kechar, Ahcène Bounceur, Reinhardt Euler, Mohammad Hammoudeh, Farid Lalem, Copula based approach for measurement validity verification in wireless sensor networks. In the Second ACM International Conference on Internet of Things, Data and Cloud Computing (ICC 2017), March 2017, Cambridge, United Kingdom.
- [16] Taha Alwajeeh, Pierre Combeau, Rodolphe Vauzelle and Ahcène Bounceur, A High-Speed 2.5D Ray-Tracing Propagation Model for Microcellular Systems, Application: Smart Cities, In the 11th IEEE European Conference on Antennas and Propagation (EuCAP 2017), 19-24 March 2017, Paris, France.
- [17] Umber Noreen, Ahcène Bounceur and Laurent Clavier, Modeling Interference for Wireless Sensor Network Simulators, In ACM International conference on Big Data and Advanced Wireless technologies (BDaw'2016). Blagoevgrad, Bulgaria, November 10-11, 2016.
- [18] Farid Lalem, Ahcène Bounceur, Rahim Kacimi, Reinhardt Euler and Saoudi Massinissa, Faulty Data Detection in Wireless Sensor Networks Based on Copula Theory, In ACM International conference on Big Data and Advanced Wireless technologies (BDaw'2016). Blagoevgrad, Bulgaria, November 10-11, 2016.
- [19] Rima Houari, Ahcène Bounceur, Tahar Kechadi, A Kamel Tari and Reinhardt Euler, Missing Data Analysis Using Multiple Imputation in Relation to Parkinson's Disease, In ACM International conference on Big Data and Advanced Wireless technologies (BDaw'2016). Blagoevgrad, Bulgaria, November 10-11, 2016.
- [20] Massinissa Saoudi, Massinissa Lounis, Ahcène Bounceur, Reinhardt Euler and Tahar Kechadi, A Parallel Data Mining Algorithm for PageRank Computation, In ACM International conference on Big Data and Advanced Wireless technologies (BDaw'2016). Blagoevgrad, Bulgaria, November 10-11, 2016.
- [21] Massinissa Saoudi, Ahcène Bounceur, Reinhardt Euler, Tahar Kechadi, Alfredo Cuzzocrea, Energy-Efficient Data Mining Techniques for Emergency Detection in Wireless Sensor Networks, In the IEEE International Conference on Cloud and Big Data Computing (CBDCOM'2016), Toulouse, France, July 18-21, 2016.
- [22] Umber Noreen, Ahcène Bounceur, Laurent Clavier, Rahim Kacimi, Performance Evaluation of IEEE 802.15.4 PHY with Impulsive Network Interference in CupCarbon Simulator, **INVITED PAPER** in the 3rd IEEE International Symposium on Networks, Computers and Communications (ISNCC), Hammamet, Tunisia, May 11-13, 2016.
- [23] Massinissa Saoudi, Ahcène Bounceur, Reinhardt Euler, Tahar Kechadi, Data Mining Techniques Applied to Wireless Sensor Networks for Early Forest Fire Detection, **BEST PAPER**, In the ACM International Conference on Internet of things and Cloud Computing (ICC'2016), University of Cambridge, United Kingdom, March, 22-23, 2016.
- [24] Farid Lalem, Rahim Kacimi, Ahcène Bounceur, Reinhardt Euler, Boundary Node Failure Detection in Wireless Sensor Networks, The 3rd IEEE International Symposium on Networks, Computers and Communications (ISNCC), Hammamet, Tunisia, May 11-13, 2016.
- [25] Naima Belakbir, Ahcène Bounceur, Stéphane Croguennec, Reinhardt Euler, Marc Lepouliquen, Marc Sevaux, Jean François Trevien. VRPTW with European Union regulations. VeRoLog: Working Group on Vehicle Routing and Logistics Optimization within EURO, the Association of the European Operational Research Societies, 2016.
- [26] Madani Bezoui, Mustapha Moulai, Ahcène Bounceur, An empirical study to find the optimal number of security in portfolio selection problem, International Conference on Multidimensional Finance, Insurance and Investment (ICMFI'2016), June 26-29, 2016, Universitat Politècnica de València, Spain.
- [27] Umber Noreen, Ahcène Bounceur, Laurent Clavier, Integration of OFDM Based Communication System with Alpha-Stable Interference using CupCarbon Simulator, In the ACM International Conference on Internet of things and Cloud Computing (ICC'2016), University of Cambridge, United Kingdom, March, 22-23, 2016.

- [28] Taha Alwajeeh, Pierre Combeau, Ahcène Bounceur, Rodolphe Vauzelle, Efficient Method for Associating Radio Propagation Models with Spatial Partitioning for Smart City Applications, In the ACM International Conference on Internet of things and Cloud Computing (ICC'2016), University of Cambridge, United Kingdom, March, 22-23, 2016.
- [29] Abdelkader Laouid, Mohamed-Lamine Messai, Ahcène Bounceur, Reinhardt Euler, Abdelnasser Dahmani, A Dynamic and Distributed Key Management Scheme for Wireless Sensor Networks, In the ACM International Conference on Internet of things and Cloud Computing (ICC'2016), University of Cambridge, United Kingdom, March, 22-23, 2016.
- [30] R. Zaouche, A. Belaid, S. Aloui, B. Solaiman, A. Bounceur, D. Ben Salem, S. Sid-Ahmed, S. Tliba, Segmentation of low-grade gliomas in MRI: Phase based method, 2nd International Conference on Advanced Technologies for Signal and Image Processing (ATSIP'2016), Monastir, Tunisia, March 21-24, 2016.
- [31] Farid Lalem, Muath Alshaikh, Ahcène Bounceur, Reinhardt Euler, Lamri Laouamer, Laurent Nana, Anca Pascu, Data Authenticity and Integrity in Wireless Sensor Networks Based on a Watermarking Approach, The 29th International Florida Artificial Intelligence Research Society Conference (FLAIRS), May 16-18, 2016, Key Largo, Florida, USA.
- [32] Feriel Bouakkaz, Mawloud Omar, Ahcène Bounceur and Abdelkamel Tari, Secure and Efficient Sharing Aggregation Scheme for Data Protection in WSNs, In the 15th IEEE International Symposium on Signal Processing and Information Technology, ISSPIT 2015, December 7-10, 2015, Abu Dhabi, UAE.
- [33] A. Cheriet, M. Ouslim, A. Bounceur, M. Hammoudi. Système de détection et de signalisation d'accidents de hauteur à base d'un réseau de capteurs sans fil. In International Conference on Image and Signal Processing and their Applications (ISPA 2015), Sep 2015, Mostaganem, Algeria.
- [34] Ali Benzerbadj, Bouabdellah Kechar, Ahcène Bounceur, Bernard Pottier. Energy Efficient Approach for Surveillance Applications Based on Self Organized Wireless Sensor Networks. EUSPN 2015, Sep 2015, Berlin, Germany.
- [35] Massinissa Lounis, Ahcène Bounceur, Laga Arezki and Bernard Pottier. GPU-based Parallel Computing of Energy Consumption in Wireless Sensor Networks. European Conference on Networks and Communications (EuCNC), June 2015, Paris, France.
- [36] Ahcène Bounceur, Belkacem Brahmi, Kamel Beznia, and Reinhardt Euler. Accurate analog/rf bist evaluation based on svm classification of the process parameters. In the 9th IEEE International Design and Test Symposium (IDT), pages 55-60, 2014.
- [37] Foudil Mir, Ahcène Bounceur, and Farid Meziane. Regression analysis for energy and lifetime prediction in large wireless sensor networks. In the 1st IEEE International Conference on Advanced Networking, Distributed Systems and Applications (INDS'14), Bejaia, Algeria, June 17th-19th 2014.
- [38] Rima Houari, Ahcène Bounceur, A-Kamel Tari, and M-Tahar Kechadi. Handling missing data problems with sampling methods. In the 1st IEEE International Conference on Advanced Networking, Distributed Systems and Applications (INDS'14), Bejaia, Algeria, June 17th- 19th 2014.
- [39] K. Mehdi, M. Lounis, A. Bounceur, and T. Kechadi. Cupcarbon: A multi-agent and discrete event wireless sensor network design and simulation tool. 7th International Conference on Simulation Tools and Techniques (SIMUTools'14), Lisbon, Portugal, March 17-19, 2014.
- [40] M. Bentobache, A. Bounceur, R. Euler, Y. Kieffer, and S. Mir. New techniques for selecting test frequencies for linear analog circuits. In 21st IFIP/IEEE International Conference on Very Large Scale Integration (VLSI-SoC'13), Istanbul, Turkey, 2013.
- [41] Beznia Kamel, Bounceur Ahcène, Mir Salvador, and Euler Reinhardt. Analog output parameter reduction based on test metrics estimation. 28th IEEE International Conference on Design of Circuits and Integrated Systems (DCIS'13), Donostia, San Sebastian, Spain November 2013.
- [42] R. Houari, A. Bounceur, T. Kechadi, A New Approach for Dimensionality Reduction of Multi-Dimensional Data Based on Sampling Methods for Data Mining, In: Colloque sur l'Optimisation et les Systèmes d'Information (COSI'13), 9-11 june, 2013, Alger, Algérie, 2013.
- [43] R. Houari, A. Bounceur, T. Kechadi and R. Euler, A New Method for Estimation of Missing Data Based on Sampling Methods for Data Mining, Third International Conference on Computational Science, Engineering and Information Technology (CCSEIT'13), 7-9 june, 2013, Konya, Turkey.
- [44] R. Houari, A. Bounceur, T. Kechadi, A New Method for Dimensionality Reduction of Multi-Dimensional Data using Copulas, In 11th IEEE International Symposium on Programming and Systems (ISPS'13), April 22-24, 2013.

- [45] M. Bentobache, A. Bounceur, R. Euler, Y. Kieffer, S. Mir, Efficient minimization of test frequencies for linear analog circuits, 18th IEEE European Test Symposium (ETS'13), May 27-31, 2013.
- [46] K. Huang, H-G. Stratigopoulos, L. Abdallah, S. Mir, and A. Bounceur. Multivariate Statistical Techniques for Analog Parametric Test Metrics Estimation, In IEEE International Conference on Design & Technology of Integrated Systems in nanoscale era (DTIS'13), March 26-28, Abu Dhabi, UAE.
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- [50] Pierre-Yves Lucas, Eloi Keita, Ahcène Bounceur, Mahamadou Traore, and Bernard Pottier. A Test Case for a Wireless Sensor Network Design Flow. In 12th Embed With Linux Workshop (EWIL'12), 7 June 2012, Cité de la voile, Lorient, France.
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3 Software (3)

3.1 Free

CupCarbon: Smart City and Internet of Things Wireless Sensor Network simulator.
→ <http://www.cupcarbon.com>.

3.2 With licence

Suidia: Application Android de télémédecine pour le suivi à distance, par tablettes ou smartphones, des patientes atteintes du diabète gestationnel (<http://www.suidia.fr>).

CATPlatform: Une plateforme formée d'un ensemble d'outils de CAO pour la simulation de fautes et l'évaluation des techniques de test des circuits analogiques, mixtes et RF sous Cadence. Cette plateforme a été installée à STMicroelectronics de Grenoble et à l'Université de Cantabrie en Espagne sous forme d'un NDA (*Non Disclosure Agreement*).