

Publication du LEAT de l'année 2018

16 octobre 2018



1 Articles en Revue ou Journal avec Comité de Lecture (6 publication(s))

- **Energy efficient mapping on manycore with dynamic and partial reconfiguration : Application to a smart camera**, Robin Bonamy, Sebastien Bilavarn, Fabrice Muller, François Duhem, Simon Heywood, Philippe Millet, Fabrice Lemonnier, *International Journal of Circuit Theory and Applications*, 01/06/2018, hal-01821809
- **Design of a textile antenna with artificial magnetic conductor for wearable applications**, Ameni Mersani, Lotfi Osman, Jean-Marc Ribero, *Microwave and Optical Technology Letters*, 60(6), 24/04/2018, hal-01825661
- **Energy Management System and Interactive Functions of Smart Plug for Smart Home**, Win Thandar Soe, Cecile Belleudy, Innocent Mpawenimana, Mathieu Difazio, Aung Ze Ya, *Electrical and Electronic Technology Open Access Journal (EETOAJ)*, 2(1), pp.75-81, 12/03/2018, hal-01757811
- **Directive and Reconfigurable Loaded Antenna Array for Wireless Sensor Networks**, Akimu Ayan Niyi Dihissou, Aliou Diallo, Philippe Le Thuc, Robert Staraj, *Progress In Electromagnetics Research, PIER C*, 84 pp.103-117, 2018, hal-01826202
- **Flexible UWB AMC Antenna for Early Stage Skin Cancer Identification**, Ameni Mersani, Lotfi Osman, Jean-Marc Ribero, *International Journal of Microwave and Wireless Technologies*, 2018, hal-01825607
- **Performance Comparison of the KNN and SVM Classification Algorithms in the Emotion Detection System EMOTICA**, Chaka Koné, Nhan Le Thanh, Rémi Flamary, Cécile Belleudy, *International Journal of Sensor Networks and Data Communications*, 2018, hal-01706559

2 Communications Invitées (4 publication(s))

- **Optimal Positioning of an Embedded Inverted-F Antenna**, Fabien Ferrero, B. L. G. Jonsson, Lei Wang, *2nd URSI Atlantic Radio Science Conference (URSI AT-RASC)*, 28/05/2018, Meloneras, IC, hal-01831486

- **Impact of Ground Plane Reduction in Antennas for Compact Terminals**, Leonardo Lizzi, Fabien Ferrero, *2nd URSI Atlantic Radio Science Conference (URSI AT-RASC)*, 28/05/2018, Meloneras, IC, hal-01830466
- **Multi-Scale Simulation Tools For VLF Antennas**, David Saintier, Oualid Makhoul, Marylène Cueille, Jean-Lou Dubard, *2nd URSI Atlantic Radio Science Conference (URSI AT-RASC)*, 28/05/2018, Meloneras, IC, hal-01829598
- **Coupling element strategy for future boarderless smartphone**, Fabien Ferrero, Tran Quang Khai Nguyen, Leonardo Lizzi, *2nd URSI Atlantic Radio Science Conference (URSI AT-RASC)*, 28/05/2018, Meloneras, IC, hal-01830450

3 Communications Internationales Avec Actes (23 publication(s))

- **Microwaves - Modeling and Experiments with Apples**, Hawraa Jawad, Jérôme Lanteri, Claire Migliaccio, Christian Pichot, Ian G. Platt, Adrian E.-C. Tan, Kimberley W. Eccleston, Ian M. Woodhead, *Radio and Antenna Days of the Indian Ocean*, 15/10/2018, Port- Louis, MU, hal-01895357
- **Innovative Scattering Measurement System in WBand**, Florence Nsengiyumva, Claire Migliaccio, Laurent Brochier, Jean-Yves Dauvignac, Ioannis Aliferis, Christian Pichot, *Radio and Antenna Days of the Indian Ocean*, 15/10/2018, Port- Louis, MU, hal-01895302
- **Design of an Adaptive Subarray Antenna for Multi-Beams Wireless Small Cell Backhaul in mmWave**, Assane N’Gom, Aliou Diallo, Jean-Marc Ribero, Aboubakar C. Beye, *Conference on antenna measurement and applications (CAMA2018)*, 03/09/2018, Vasteras, SE, hal-01826175
- **Efficient Dual-Band PIFA Antenna for the Internet of Things (IoT)**, K. Diallo, Assane N’Gom, Aliou Diallo, Jean-Marc Ribero, I. Dioum, S. Ouya, *Conference on antenna measurement and applications (CAMA2018)*, 03/09/2018, Vasteras, SE, hal-01825723
- **MM-Wave Scattering Measurements for Security Radar Design**, Claire Migliaccio, Laurent Brochier, Jérôme Lanteri, Jean-Yves Dauvignac, Bruno Cosson, *Conference on antenna measurement and applications (CAMA2018)*, 03/09/2018, Vasteras, SE, hal-01866118
- **A Dual-Band PIFA for MIMO Half-duplex 4G and Future Full-Duplex 5G communication for Mobile Handsets**, Mohammad Fakhri, Aliou Diallo, Philippe Le Thuc, Robert Staraj, E. Rachid, O. Mourad, *Conference on antenna measurement and applications (CAMA2018)*, 03/09/2018, Vasteras, SE, hal-01865164
- **Ultra-wide band antenna for partial discharge detection inside switchgear for on-line monitoring**, Alexandre Marchal, M. Mondero, Philippe Le Thuc, Robert Staraj, *Conference on antenna measurement and applications (CAMA2018)*, 03/09/2018, Vasteras, SE, hal-01865157
- **Pruning Self-Organizing Maps for Cellular Hardware Architectures**, Andres Upegui, Bernard Girau, Nicolas Rougier, Fabien Vannel, Benoît Miramond, *NASA/ESA Conference on Adaptive Hardware and Systems, 2018 (AHS 2018)*, 06/08/2018, Edinburgh, GB, hal-01826263
- **Radiation Pattern Agile Antenna for Smart IoT Gateways**, Luca Santamaria, Fabien Ferrero, Leonardo Lizzi, *International Symposium on Antennas and Propagation and USNC-URSI Radio Science Meeting*, 08/07/2018, Boston, US, hal-01824544
- **Tx/Rx antenna system for Full-Duplex application**, Koffi Gfafa, Aliou Diallo, Philippe Le Thuc, Robert Staraj, *International Symposium on Antennas and Propagation and USNC-URSI Radio Science Meeting*, 08/07/2018, Boston, US, hal-01824528

- **Detection of Brain Strokes Using Microwave Tomography**, Vanna Lisa Coli, Pierre-Henri Tournier, Victorita Dolean, Ibtissam El Kanfoud, Christian Pichot, Claire Migliaccio, Laure Blanc-Féraud, *International Symposium on Antennas and Propagation and USNC-URSI Radio Science Meeting*, 08/07/2018, Boston, US, hal-01824526
- **Dual-Matching for Single Resonance Miniaturized Antenna for IoT applications**, Tran Quang Khai Nguyen, Leonardo Lizzi, Fabien Ferrero, *International Symposium on Antennas and Propagation and USNC-URSI Radio Science Meeting*, 08/07/2018, Boston, US, hal-01824477
- **Design of a multiband LTE MIMO antenna system integrated in its real environment**, Lamia Sadaoui, Georges Kossiavas, Robert Staraj, Leonardo Lizzi, *International Symposium on Antennas and Propagation and USNC-URSI Radio Science Meeting*, 08/07/2018, Boston, US, hal-01824251
- **Neuromorphic hardware as a self-organizing computing system**, Lyes Khacef, Bernard Girau, Nicolas Rougier, Andres Upegui, Benoit Miramond, *WCCI 2018 - IEEE World Congress on Computational Intelligence, Workshop NHPU : Neuromorphic Hardware In Practice and Use*, 08/07/2018, Rio de Janeiro, BR, pp.1-4, hal-01790776
- **Confronting machine-learning with neuroscience for neuromorphic architectures design**, Lyes Khacef, Nassim Abderrahmane, Benoit Miramond, *IEEE WORLD CONGRESS ON COMPUTATIONAL INTELLIGENCE*, 08/07/2018, Rio de Janeiro, BR, hal-01739438
- **Mobile Terminals System-level Memory Exploration for Power and Performance Optimization**, Amal Ben Ameer, Michel Auguin, François Verdier, Valerio Frascolla, *28th International Symposium on Power and Timing Modeling, Optimization and Simulation (PATMOS)*, 02/07/2018, Costa Brava, ES, hal-01830420
- **Energy Saving in a Wireless Sensor Network by Data Prediction by using Self-Organized Maps**, Adrien Russo, François Verdier, Benoît Miramond, *International Workshop on Recent Advances in Cellular Technologies and 5G for IoT Environments (RACT-5G-IoT 2018)*, 08/05/2018, Porto, PT, hal-01740303
- **Hop-based routing protocol based on energy efficient Minimum Spanning Tree for wireless sensor network**, Sana Messous, Noureddine Liouane, Alain Pegatoquet, Michel Auguin, *2018 International Conference on Advanced Systems and Electric Technologies (IC_ASET)*, 22/03/2018, Hammamet, TN, pp.421-426, hal-01834939
- **Improved Radiation Performance of Textile Antenna Using AMC Surface**, Ameni Mersani, Lotfi Osman, Jean-Marc Ribero, *15th International Multi-Conference on Systems*, 19/03/2018, Hammamet, TN, hal-01825706
- **Towards A Multi-Mission QoS and Energy Manager for Autonomous Mobile Robots**, Dinh-Khanh Ho, Karim Chehida, Benoît Miramond, Michel Auguin, *International Conference on Robotic Computing*, 31/01/2018, Laguna Hill, CA, US, pp.270-273, hal-01700856
- **Semantic Studies of a Synchronous Approach to Activity Recognition**, Ines Sarray, Annie Ressousche, Sabine Moisan, Jean-Paul Rigault, Daniel Gaffé, *International Conference on Software Engineering and Applications*, 27/01/2018, Dubaï, AE, hal-01763511
- **Computer-Aided Formal Proofs about Dendritic Integration within a Neuron**, Ophélie Guinaudeau, Gilles Bernot, Alexandre Muzy, Daniel Gaffé, Franck Grammont, *BIOINFORMATICS 2018 - 9th International Conference on Bioinformatics Models, Methods and Algorithms*, 19/01/2018, Funchal Madeira, PT, hal-01663555
- **A Model-checking Approach to Reduce Spiking Neural Networks**, Elisabetta De Maria, Daniel Gaffé, Annie Ressousche, Cédric Girard Riboulleau, *BIOINFORMATICS 2018 - 9th International Conference on Bioinformatics Models, Methods and Algorithms*, 19/01/2018, Funchal Madeira, PT, pp.1-8, hal-01638248

4 Communications Sans Actes (1 publication(s))

- **The Nice Cube (Nice³) nanosatellite project**, Florentin Millour, Sébastien Ottogalli, Manel Maamri, Arthur Stibbe, Fabien Ferrero, Lucie Rolland, Solène Rebeyrolle, Aurelie Marcotto, Karim Agabi, Mathilde Beaulieu, Mourad Benabdesselam, Jean-Baptiste Caillau, François Cauneau, Luc Deneire, Franck Mady, David Mary, Anthony Mémin, Gilles Metris, Jean-Baptiste Pomet, Olivier Preis, Robert Staraj, Essam Ait Lachgar, Danielle Baltazar, Baolong Gao, Mathis Deroo, Benjamin Gieudes, Meiyao Jiang, Tito Livio de Miranda Pinto Filho, Maxime Languery, Olivier Petiot, Anthony Thevenon, *Complex days 2018*, 11/01/2018, Nice, FR, pp.1-12, hal-01815444

5 Thèses et HDR (2 publication(s))

- (HDR) **Modélisation, Conception Système d'Architectures Hétérogènes pour les Applications Embarquées**, Sébastien Bilavarn, Université de Nice Sophia-Antipolis (UNS), 28/09/2018, tel-01887307
- (THESE) **Système antenneur directif et reconfigurable pour réseaux de capteurs sans fil**, Akimu Ayan Niyi Dihissou, Université Côte d'Azur, 06/04/2018, tel-01868317

6 Rapport de Recherche (9 publication(s))

- **Conduire un dispositif optique par une connexion sans fil**, Fouzia El Marshil, [Stage] Master Estel Université de Nice-Sophia Antipolis. 2018, hal-01888724
- **Sécurité du réseau des capteurs sans fil**, Hind El Bouazzaoui, [Stage] Université Nice Sophia-Antipolis, master Estel. 2018, hal-01888697
- **Conception d'antenne pour un radar millimétrique**, Yasmine Ibrahim, [Stage] Stage Master 2 ESTEL Université de Nice-Sophia Antipolis. 2018, hal-01877038
- **Modélisation compacte de diagrammes d'antennes très directives par des méthodes de décomposition en vecteurs sphériques**, Yasmina Zaky, [Stage] Stage Master 2 ESTEL Université de Nice-Sophia Antipolis. 2018, hal-01877028
- **Système multi antennes à faible couplage mutuel pour communications de type Full Duplex pour la bande 5G**, Serigne Modou Dié Mbacke, [Intership report] Stage Master 2 ESTEL Université de Nice-Sophia Antipolis. 2018, hal-01877001
- **Déploiement d'un Middleware pour des réseaux de capteurs sans fils**, Roland Kromes, [Stage] Stage Master 2 ESTEL Université de Nice-Sophia Antipolis. 2018, hal-01876993
- **Projet Smart IoT for Mobility**, Nicolas Massiéra, [Stage] stage Master 2 ESTEL universite de Nice Sophia Antipolis. 2018, hal-01876961
- **Conception Électronique Numérique d'un Contrôleur Neuromorphique Pour Systèmes Robotiques- DNF et Pixy Pan/Tilt**, Marino Rasamuel, [Stage] Stage Master 2 ESTEL Université de Nice-Sophia Antipolis. 2018, hal-01876910
- **Etude dosimétrique (DAS) d'une tête porteuse de lunettes connectées**, Arwa Elyamani, [Stage] Stage Master 2 ESTEL Université de Nice-Sophia Antipolis. 2018, hal-01876902

7 Autres (2 publication(s))

- **Les laboratoires de recherche et la sécurité numérique**, , La protection du potentiel scientifique et technique (PPST) d'un laboratoire de recherches revêt.. 2018 La protection du potentiel scientifique et technique (PPST) d'un laboratoire de recherches revêt un caractère stratégique. Elle concerne tous les acteurs de la recherche. Car, quel que soit son domaine d'activité, cette production intellectuelle est une s, 04/2018, hal-01742142
- **L'intelligence artificielle s'inspire de l'humain ... et vice versa**, , article dans Nice Matin page Santé relatif à la "Semaine du cerveau". 2018, pp.35 article dans Nice Matin page Santé relatif à la "Semaine du cerveau", 17/03/2018, hal-01740476

Soit un total de 47 publication(s)