

# Publication du LEAT de l'année 2017

4 juillet 2018



## 1 Articles en Revue ou Journal avec Comité de Lecture (13 publication(s))

- **Potentiel scientifique et technique d'un laboratoire : Favoriser l'innovation, protéger les savoirs : un équilibre délicat**, Jean-Pierre Damiano, *La Revue de l'Electricité et de l'Electronique*, (5), pp.85-92, 12/2017, hal-01633310
- **Performance of Dual-Band AMC Antenna for WLAN Applications**, Ameni Mersani, Lotfi Osman, Jean-Marc Ribero, *IET Microwaves Antennas and Propagation*, 12/2017, hal-01662313
- **Numerical Modeling and High-Speed Parallel Computing : New Perspectives on Tomographic Microwave Imaging for Brain Stroke Detection and Monitoring.**, Pierre-Henri Tournier, Marcella Bonazzoli, Victorita Dolean, Francesca Rapetti, Frédéric Hecht, Frédéric Nataf, Iannis Aliferis, Ibtissam El Kanfoud, Claire Migliaccio, Maya De Buhan, Marion Darbas, Serguei Semenov, Christian Pichot, *IEEE Antennas and Propagation Magazine*, 59(5), pp.98 - 110, 10/2017, hal-01623106
- **On methods to determine bounds on the Q-factor for a given directivity**, B. L. G. Jonsson, Shuai Shi, Lei Wang, Fabien Ferrero, Leonardo Lizzi, *IEEE Transactions on Antennas and Propagation*, 65(11), pp.5686-5696, 09/2017, hal-01624446
- **Efficiency modeling and exploration of 64-bit ARM compute nodes for exascale**, Joel Wanza Weloli, Sébastien Bilavarn, Martin De Vries, Said Derradji, Cecile Belleudy, *Microprocessors and Microsystems : Embedded Hardware Design (MICPRO)*, 53 pp.68 - 80, 31/08/2017, hal-01586191
- **Proximity Effect of Metallic Environments on Cylindrical Dielectric Resonator Antenna for Smart Metering Applications**, Kaoutar Allabouche, Fabien Ferrero, Leonardo Lizzi, Jean-Marc Ribero, M. Jorio, Najiba El Amrani El Idrissi, *International journal of Microwave and Optical Technology*, 12(4), pp.249-258, 07/2017, hal-01644274
- **Stability and Dispersion Analysis of a TLM Unified Approach for Dispersive Anisotropic Media**, Abdelrahman Ijjeh, Michel Ney, Francesco Andriulli, *IEEE Transactions on Microwave Theory and Techniques*, 65(4),

- **Multi-level energy/power-aware design methodology for MPSoC**, Bassem Ouni, Imen Mhedbi, Chiraz Trabelsi, Rabie Ben Atitallah, Cecile Belleudy, *Journal of Parallel and Distributed Computing*, 100 pp.203-215, 01/02/2017, hal-01570540
- **Local Time-Step TLM Unstructured Block Meshing for Electromagnetic and Bio-Thermal Applications**, Abdelmajid Ijjeh, Michel Ney, *IEEE Journal on Multiscale and Multiphysics Computational Techniques*, 2 pp.174 - 182, 2017, hal-01725093
- **Energy Management System and Interactive Functions of Smart Plug for Smart Home**, Win Thandar Soe, Innocent Mpawenimana, Mathieu Di Fazio, Cécile Belleudy, Aung Ze Ya, *International Journal of Electrical, Computer, Energetic, Electronic and Communication Engineering*, (11),2017, hal-01609896
- **High-Gain Wideband Partially Reflecting Surface Antenna for 60 GHz Systems**, Djamel Abbou, Tan Phu Vuong, Rachida Touhami, Fabien Ferrero, Dahbia Hamzaoui, Mustapha C.E. Yagoub, *IEEE Antennas and Wireless Propagation Letters*, (16), pp.2704-2707, 2017, hal-01597453
- **Realization of 3-D Flexible Antennas Using Liquid Metal and Additive Printing Technologies**, Mathieu Cosker, Leonardo Lizzi, Fabien Ferrero, Robert Staraj, Jean-Marc Ribero, *IEEE Antennas and Wireless Propagation Letters*, 16 pp.971-974, 2017, hal-01571601
- **Conformal antenna array for millimeter-wave communications : performance evaluation**, Vasili Semkin, Aimeric Bisognin, Mikko Kyrö, Veli-Matti Kolmonen, Cyril Luxey, Fabien Ferrero, F Devillers, *International Journal of Microwave and Wireless Technologies*, 9(1), pp.241-247, 2017, hal-01570597

## 2 Communications Invitées (7 publication(s))

- **Signal Propagation of LoRa Technology Using for Smart Building Applications**, L. H. Trinh, Van Xung Bui, Fabien Ferrero, Tran Quang Khai Nguyen, M. H. Le, *2017 IEEE Conference on Antenna Measurements & Applications (CAMA)*, 04/12/2017, Tsukuba, JP, hal-01719603
- **Experimental analysis of the human body effect on miniature LPWAN antennas**, Hajar Berrada, Leonardo Lizzi, Fabien Ferrero, C. Danchesi, S. Boudaud, *2017 IEEE Conference on Antenna Measurements & Applications (CAMA)*, 04/12/2017, Tsukuba, JP, hal-01719311
- **Wireless interrogation of small animal phantoms with a miniature implanted UHF RFID tag**, Van Hieu Nguyen, Aliou Diallo, Philippe Le Thuc, Robert Staraj, Stéphane Lanteri, Georges F. Carle, *2017 IEEE Conference on Antenna Measurements & Applications (CAMA)*, 04/12/2017, Tsukuba, Ibaraki, JP, pp.1-4, hal-01668634
- **Microwave Modeling and Experiments for Non Destructive Control Improved Quality of fruit**, Hawraa Jawad, Jerome Lanteri, Claire Migliaccio, Christian Pichot, Ian G. Platt, Adrian E.-C. Tan, Kimberley W. Eccleston, Ian M. Woodhead, *2017 IEEE Conference on Antenna Measurements & Applications (CAMA)*, 04/12/2017, Tsukuba, Ibaraki, JP, pp.1-4, hal-01666333
- **An Outdoor Measurement Technique for Large Structures Antennas**, Cheick Diakite, Jerome Lanteri, Claire Migliaccio, *2017 IEEE Conference on Antenna Measurements & Applications (CAMA)*, 04/12/2017, Tsukuba, Ibaraki, JP, pp.1-4, hal-01666289
- **Impact of mechanical accuracy in mmW spherical measurements**, Fabien Ferrero, Jerome Lanteri, Laurent

Brochier, Claire Migliaccio, *2017 IEEE Conference on Antenna Measurements & Applications (CAMA)*, 04/12/2017, Tsukuba, Ibaraki, JP, pp.1-4, hal-01666271

- **Investigation of measurement errors in microwave imaging system for brain stroke monitoring**, Christian Pichot, Ibtissam El Kanfoud, Iannis Aliferis, Claire Migliaccio, Victorita Dolean, Marcella Bonazzoli, Francesca Rapetti, Pierre-Henri Tournier, Frédéric Nataf, Serguei Semenov, *Progress In Electromagnetics Research Symposium (PIERS)*, 22/05/2017, Saint Petersburg, FR, pp.1-4, hal-01700670

### 3 Communications Internationales Avec Actes (45 publication(s))

- **Modelling and Formal Verification of Neuronal Archetypes Coupling**, Elisabetta De Maria, Thibaud L'Yvonnet, Daniel Gaffé, Annie Ressouche, Franck Grammont, *CSBio 2017 - 8th International Conference on Computational Systems-Biology and Bioinformatics*, 07/12/2017, Nha Trang, VN, 17, pp.3-10, hal-01643862
- **A framework for System Level Low Power Design Space Exploration**, Ameni Ben Mrad, Michel Auguin, François Verdier, Amal Ben Ameer, *24th IEEE International Conference on Electronics, Circuits and Systems (ICECS)*, 05/12/2017, Batumi, GE, hal-01624031
- **Measurement Set-up for the Assessment of User Impact on Handheld Terminal Beyond 10 GHz**, Cyril Buey, Fabien Ferrero, Leonardo Lizzi, Philippe Ratajczak, *2017 IEEE Conference on Antenna Measurements & Applications (CAMA)*, 04/12/2017, Tsukuba, JP, pp.327-329, hal-01719538
- **Direction of Arrival (DoA) for 180 degree phase ambiguity RFID UHF Reader : Limits and perspectives**, Dien-Hoa Truong, Fabien Ferrero, Luc Deneire, *2017 IEEE Conference on Antenna Measurements & Applications (CAMA)*, 04/12/2017, Tsukuba, JP, pp.320-323, hal-01719427
- **Numerical modeling and time-domain simulation of electromagnetic waves propagation in linear time-varying media**, Abdelrahman Ijeh, Oualid Makhoul, Marylène Ceuille, Jean-Lou Dubard, Michel Ney, *NUMELEC 2017 : 9ième Conférence Européenne sur les Méthodes Numériques en Electromagnétisme*, 15/11/2017, Paris, FR, hal-01807315
- **Numerical modeling and time-domain simulation of electromagnetic waves propagation in linear time-varying media**, Abdelrahman Ijeh, Oualid Makhoul, Marylène Ceuille, Jean-Lou Dubard, Michel Ney, *9ème Conférence Européenne sur les Méthodes Numériques en Electromagnétisme (NUMELEC 2017)*, 15/11/2017, Paris, FR, hal-01630708
- **An Activity Description Language for Activity Recognition**, Ines Sarray, Annie Ressouche, Sabine Moisan, Jean-Paul Rigault, Daniel Gaffé, *IINTEC 2017 - IEEE International Conference on Internet of Things, Embedded Systems and Communications*, 20/10/2017, Gafsa, TN, pp.6, hal-01649674
- **Multi-harvesting solution for autonomous sensing node based on LoRa Technology**, Fabien Ferrero, Hoai Nam-Son Truong, Huy Le-Quoc, *2017 International Conference on Advanced Technologies for Communications (ATC)*, 18/10/2017, Quy Nhon, VN, pp.250-253, hal-01644488
- **Miniature Antenna for IoT Devices Using LoRa Technology**, L.H Trinh, Tran Quang Khai Nguyen, D.D. Phan, V.Q. Tran, V.X. Bui, N.V. Truong, Fabien Ferrero, *2017 International Conference on Advanced Technologies for Communications (ATC)*, 18/10/2017, Quy Nhon, VN, pp.170-173, hal-01644484
- **Low-profile horizontal omni-directional antenna for LoRa wearable devices**, L.H Trinh, Tran Quang Khai Nguyen, H.L Tran, P.C. Nguyen, N.V. Truong, Fabien Ferrero, *2017 International Conference on Advanced Technologies for Communications (ATC)*, 18/10/2017, Quy Nhon, VN, pp.136-139, hal-01644480

- **An Arbitrary Oriented Thin Wire TLM model with Optimized Interaction Domain**, David Saintier, Gregory Kabalane, Marylène Cueille, Jean-Lou Dubard, *The IEEE Radio and Antenna Days of the Indian Ocean (RADIO)*, 25/09/2017, Cape, ZA, pp.1-3, hal-01624046
- **A switched reader complementary-loops structure for detecting LF RFID tagged pebbles**, A. Diet, M. Grzeskowiak, Yann Le Bihan, M. Biancheri-Astier, M. Benamara, Koffi Gbafa, Christophe Conessa, Gaëlle Lissorgues, F. Alves, Alessandro Pozzebbon, *2017 IEEE International Conference on RFID Technology & Application (RFID-TA)*, 20/09/2017, Warsaw, PL, hal-01691652
- **Stability issues in time-domain methods for unstructured block meshing using local time-steps**, Abdelrahman Ijjeh, Michel Ney, *ICEAA17 : International conference on electromagnetics in advanced applications*, 11/09/2017, Verone, IT, hal-01807314
- **Stability issues in time-domain methods for unstructured block meshing using local time-steps**, Abdelrahman Ijjeh, Michel Ney, *2017 International Conference on Electromagnetics in Advanced Applications (ICEAA)*, 11/09/2017, Verona, IT, pp.1127-1130, hal-01723061
- **MICROWAVE IMAGING OF BRAIN STROKES : NUMERICAL AND EXPERIMENTAL ERROR MODELING**, P.-H. Tournier, Claire Migliaccio, Ibtissam El Kanfoud, Ioannis Aliferis, M. Bonazzoli, Victorita Dolean, F. Rapetti, S. Semenov, Christian Pichot, F. Nataf, *ICEAA 2017- International Conference on Electromagnetics in Advanced Applications*, 11/09/2017, Verona, IT, hal-01657812
- **7M WIDEBAND ANTENNA FOR LAND-MINE DETECTION RADAR**, N.T. Nguyen, Claire Migliaccio, G. Clementi, Nicolas Fortino, Jean-Yves Dauvignac, J. Willebois, C. Chekroun, *ICEAA 2017- International Conference on Electromagnetics in Advanced Applications*, 11/09/2017, Verona, IT, hal-01657755
- **COMPARISONS BETWEEN SCATTERING MEASUREMENTS AND SIMULATIONS OF 2D CANONICAL OBJECTS IN W-BAND**, F. Nsengiyumva, Claire Migliaccio, Laurent Brochier, Jean-Yves Dauvignac, Christian Pichot, *ICEAA 2017- International Conference on Electromagnetics in Advanced Applications*, 11/09/2017, Verona, IT, hal-01657715
- **Convex optimization for the synthesis of matching filters**, Gibin Bose, Fabien Ferrero, Leonardo Lizzi, David Martinez, Fabien Seyfert, *ICEAA 2017- International Conference on Electromagnetics in Advanced Applications*, 11/09/2017, Verona, IT, pp.1450-1453, hal-01621215
- **Energy Management System and Interactive Functions of Smart Plug for Smart Home**, Win Thandar Soe, Innocent Mpawenimana, Mathieu Di Fazio, Cécile Belleudy, Aung Ze Ya, *ICSHT 2017 : International Conference on Smart Home Technology, Porto, Portugal*, 22/07/2017, Porto, PT, hal-01609832
- **Emotion recognition using musical mnemotherapy with three physiological sensors**, Chaka Koné, Cécile Belleudy, Jean Claude Broutart, Nhan Le Thanh, *10th International Conference on ICT, Society and Human Beings*, 20/07/2017, lisbon, PT, hal-01624021
- **A digitally tuned reconfigurable patch antenna for IoT devices**, F. A. Asadallah, J. Costantine, Y. Tawk, Leonardo Lizzi, Fabien Ferrero, C. G. Christodoulou, *2017 IEEE International Symposium on Antennas and Propagation USNC/URSI National Radio Science Meeting*, 09/07/2017, San Diego, US, pp.917-918, hal-01677166
- **Validation of a Decoupling Technique by Using Two Types of Antennas**, Lamia Sadaoui, Georges Kossiavas, Robert Staraj, *2017 IEEE AP-S Symposium on Antennas and Propagation and USNC-URSI Radio Science Meeting*, 09/07/2017, San Diego, US, hal-01662310

- **Characterization of miniature antenna for sub-GHz on-body applications**, Hajar Berrada, Fabien Ferrero, Leonardo Lizzi, C. Danchesi, S. Boudaud, *IEEE International Symposium on Antennas and Propagation & USNC/URSI National Radio Science Meeting*, 09/07/2017, San Diego, US, pp.2001-2002, hal-01644407
- **Validation of an open source software defined radio test bed**, Cyril Buey, Philippe Ratajczak, Fabien Ferrero, Leonardo Lizzi, Theoni Magounaki, Florian Kaltenberger, *2017 IEEE International Symposium on Antennas and Propagation USNC/URSI National Radio Science Meeting*, 09/07/2017, San Diego, US, pp.1875-1876, hal-01624404
- **Microwave tomography for brain stroke imaging**, Pierre-Henri Tournier, Frédéric Hecht, Frédéric Nataf, Marcella Bonazzoli, Francesca Rapetti, Victorita Dolean, Serguie Semenov, Ibtissam El Kanfoud, Ioannis Aliferis, Claire Migliaccio, Christian Pichot, *2017 IEEE International Symposium on Antennas and Propagation USNC/URSI National Radio Science Meeting*, 09/07/2017, San Diego, US, pp.29-30, hal-01623136
- **Energy efficient reconfigurable antenna for ultra-low power IOT devices**, Thomas Houret, Leonardo Lizzi, Fabien Ferrero, Christophe Danchesi, Stephane Boudaud, *2017 IEEE International Symposium on Antennas and Propagation and USNC-URSI Radio Science Meeting*, 09/07/2017, San Diego, US, pp.1153-1154, hal-01572010
- **Low-cost antenna technology for LPWAN IoT in rural applications**, Congduc Pham, Fabien Ferrero, Mamour Diop, Leonardo Lizzi, Ousmane Dieng, Ousmane Thiaré, *7th IEEE International Workshop on Advances in Sensors and Interfaces (IWASI)*, 15/06/2017, vieste, IT, pp.121-126, hal-01571662
- **Power and performance aware electronic system level design**, A.B. Ameer, D. Martinot, P. Guitton-Ouhamou, V. Frascolla, François Verdier, Michel Auguin, *12th IEEE International Symposium on Industrial Embedded Systems (SIES)*, 14/06/2017, Toulouse, FR, pp.1-4, hal-01583809
- **Experimental evaluation of relative calibration in a MISO-TDD system**, T. Magounaki, F. Kaltenberger, X. Jiang, C. Buey, P. Ratajczak, Fabien Ferrero, *2017 European Conference on Networks and Communications (EuCNC)*, 12/06/2017, Oulu, FI, pp.1-5, hal-01584780
- **ORION : Orientation Estimation Using Commodity Wi-Fi**, Mohamed Naoufal Mahfoudi, Thierry Turletti, Thierry Parmentelat, Fabien Ferrero, Leonardo Lizzi, Robert Staraj, Walid Dabbous, *Workshop on Advances in Network Localization and Navigation (ANLN)*, 25/05/2017, Paris, FR, pp.1033-1038, hal-01424239
- **Multiband rectangular dielectric resonator antenna for 5G applications**, Kaoutar Allabouche, V. Bobrovs, Fabien Ferrero, Leonardo Lizzi, Jean-Marc Ribero, n. El Amrani El Idrissi, M. Jorio, M. Elbakali, *International Conference on Wireless Technologies, Embedded and Intelligent Systems (WITS)*, 19/04/2017, Fez, MA, pp.1-4, hal-01572133
- **Dosimetry and hyperthermia computation in human tissues in presence of EM-waves using TLM method**, Abdelrahman Ijeh, O. Makhlof, Marylène Cueille, Jean-Lou Dubard, M. M. Ney, *11th European Conference on Antennas and Propagation (EUCAP)*, 19/03/2017, Paris, FR, pp.403-407, hal-01572110
- **Experimental characterization of dual linearly polarized transmitarray antennas at X-band**, Kien Pham, Ngoc-Tinh Nguyen, Laurent Le Coq, Ronan Sauleau, Antonio Clemente, Laurent Dussopt, *11th European Conference on Antennas and Propagation (EUCAP)*, 19/03/2017, Paris, FR, pp.2387-2391, hal-01571614
- **Compact Integrated IoT Antenna Robust to the Effects of the Environment**, Thomas Houret, Leonardo Lizzi, Fabien Ferrero, Christophe Danchesi, Stéphane Boudaud, *European Conference on Antennas and Propagation (EuCAP 2017)*, 19/03/2017, Paris, FR, pp.CS09 Antenna for IoT Applications, hal-01519520
- **Spherical Near-field Measurement for Probe-fed High Directive Antenna at Millimeter Wave Frequency**,

Fabien Ferrero, Jérôme Lanteri, Laurent Brochier, Claire Migliaccio, Jean-Yves Dauvignac, *European Conference on Antennas and Propagation (EuCAP 2017)*, 19/03/2017, Paris, FR, pp.CS28 Near Field Antenna Measurement Techniques (AMTA/EurAAP), hal-01519519

- **Antenna Q Bounds for Given Directivity : a Case Study of a Directive Parasitic Element Antenna**, Lars Jonsson, Fabien Ferrero, Leonardo Lizzi, *European Conference on Antennas and Propagation (EuCAP 2017)*, 19/03/2017, Paris, FR, pp.CS44 Small Antennas : From Theory to Practice, hal-01519442
- **MIMO Antenna Performance Assessment Based on Open Source Software Defined Radio**, C. Buey, Theoni Magounaki, Fabien Ferrero, Philippe Ratajczak, Leonardo Lizzi, Florian Kaltenberger, *European Conference on Antennas and Propagation (EuCAP 2017)*, 19/03/2017, Paris, FR, pp.C\_M01 MIMO measurements, hal-01519439
- **Technique to Increase Directivity of a Reconfigurable Array Antenna for Wireless Sensor Network**, Akimu Ayan Niyi Dihissou, Aliou Diallo, Philippe Le Thuc, Robert Staraj, *11th European Conference on Antennas and Propagation (EuCAP 2017)*, 19/03/2017, Paris, FR, hal-01486606
- **Computational Electromagnetics in complex linear media with the TLM method**, Abdelrahman Ijeh, Michel Ney, *ICCEM 2017 : IEEE International conference on computational electromagnetics*, 08/03/2017, Kumamoto, JP, hal-01812650
- (Poster) **Etude du couplage et analyse des performances d'une rectenna PIFA à faibles niveaux de puissance**, Alexandre Douyère, J. Rivière, E. Rochefeuille, Jean-Lou Dubard, Jean-Daniel Lan Sun Luk, *Assemblée Générale GDR Ondes*, 23/10/2017, Sophia Antipolis, FR, hal-01630705
- (Poster) **A Decoupling Technique for the Design of Strongly Isolated Closely Spaced Antennas**, Lamia Sadaoui, Georges Kossiavas, Robert Staraj, *European Conference on Antennas and Propagation (EuCAP 2017)*, 19/03/2017, Paris, FR, pp.Poster\_06 Cellular Communications / Regular Session / Antennas, hal-01519518
- (Poster) **A Reconfigurable Beam Dual Polarized Microstrip Cross Patch Antenna**, Assane N'Gom, Aliou Diallo, Kharouna Talla, Abdoulaye Chaibo, Ibra Dioum, Jean-Marc Ribero, Aboubaker Chedikh Beye, *European Conference on Antennas and Propagation (EuCAP 2017)*, 19/03/2017, Paris, FR, pp.Poster\_06 Cellular Communications / Regular Session / Antennas, hal-01519517
- (Poster) **Averaging Phase Elements of a W-band Reflectarray with Printed Source**, Brice Delanoë, Jérôme Lanteri, Claire Migliaccio, Fabien Ferrero, *European Conference on Antennas and Propagation (EuCAP 2017)*, 19/03/2017, Paris, FR, pp.Poster\_06 Cellular Communications / Regular Session / Antennas, hal-01519516
- (Poster) **3D Compact Antenna Using Liquid Metal and Additive Technologies**, Mathieu Cosker, Leonardo Lizzi, Fabien Ferrero, Robert Staraj, Jean-Marc Ribero, *European Conference on Antennas and Propagation (EuCAP 2017)*, 19/03/2017, Paris, FR, pp.Poster\_03 Localization & Connected Objects / Regular Session / Antennas, 2050-2052, hal-01519514
- (Poster) **Use of a Dielectric Resonator Antenna to Reduce Hand Effect in a Miniature IoT Device**, Kaoutar Allabouche, Fabien Ferrero, Leonardo Lizzi, Jean-Marc Ribero, Mohamed Jorio, Najiba El Amrani El Idrissi, *EuCAP 2017, 19-24, March 2017, Paris, France*, 19/03/2017, Paris, FR, pp.Localization & Connected Objects / Regular Session / Antennas, hal-01519443

## 4 Communications Nationales Avec Actes (18 publication(s))

- **Solveur TLM multi-physique pour applications en dosimétrie**, Abdelrahman Ijjeh, Jean-Lou Dubard, Marylène Cueille, Oualid Makhoulf, Michel Ney, A. Laisné, *6ième Journées d'études " Electromagnetisme et guerre Electronique"*, 22/11/2017, Toulouse, FR, hal-01743239
- **Influence d'un radiateur métallique sur le fonctionnement d'une antenne 4 accès type monopole tri-bande**, Lamia Sadaoui, Georges Kossiavas, Robert Staraj, *Assemblée générale GDR ONDES*, 23/10/2017, Sophia-Antipolis, FR, pp.2, hal-01662305
- **Maillage par blocs pour le modèle temporel TLM pour l'équation de bio-chaleur**, Abdelrahman Ijjeh, Oualid Makhoulf, Marylène Cueille, Jean-Lou Dubard, Michel Ney, *JNM2017 : 20èmes Journées Nationales Microondes*, 16/05/2017, Saint-Malo, FR, hal-01818111
- **Maillage par blocs pour le modèle temporel TLM pour l'équation de bio-chaleur**, Abdelrahman Ijjeh, Oualid Makhoulf, Marylène Cueille, Jean-Lou Dubard, Michel Ney, *Journées Nationales Microondes (JNM 2017)*, 16/05/2017, Saint Malo, FR, pp.AP-O8 - Ondes et santé, hal-01519555
- **Antenne flexible utilisant une technologie additive et du métal liquide**, Mathieu Cosker, Leonardo Lizzi, Fabien Ferrero, Robert Staraj, Jean-Marc Ribero, *Journées Nationales Microondes (JNM 2017)*, 16/05/2017, Saint Malo, FR, pp.AP-O5 - Antennes compactes et large bande, hal-01519527
- **Antenne Miniature Multi-bandes pour Terminaux IoT Compacts**, Leonardo Lizzi, Fabien Ferrero, Christophe Danchesi, Stéphane Boudaud, *Journées Nationales Microondes (JNM 2017)*, 16/05/2017, Saint Malo, FR, pp.AP-O2 - Antennes IoE, hal-01519526
- **Antenne à Résonateur Diélectrique pour réduire l'effet du corps humain dans un dispositif IoT miniature**, Kaoutar Allabouche, Fabien Ferrero, Jean-Marc Ribero, Leonardo Lizzi, Mohamed Jorio, Najiba El Amrani El Idrissi, *Journées Nationales Microondes (JNM 2017)*, 16/05/2017, Saint Malo, FR, pp.AP-O2 - Antennes IoE, hal-01519525
- **Développements d'un code de laboratoire multi-physique basé sur la méthode TLM**, Jean-Lou Dubard, *Journées Nationales Microondes (JNM 2017)*, 16/05/2017, Saint Malo, FR, pp.Modélisation EM pour les antennes : Chercheurs "Modélisateurs", hal-01519523
- **Mesures d'antennes utilisant les coefficients modaux cylindriques en environnement non anéchoïque**, Cheick Diakité, Jérôme Lanteri, Claire Migliaccio, *Journées Nationales Microondes (JNM 2017)*, 16/05/2017, Saint Malo, FR, pp.STA-O5 - Systèmes et/ou méthodes de caractérisation, hal-01519522
- **Antenne à double polarisation et diagramme reconfigurable destinée aux « small cells » pour la 5G**, Assane N'Gom, Aliou Diallo, Jean-Marc Ribero, *21èmes Journées Nationales Microondes (JNM 2017)*, 16/05/2017, Saint-Malo, FR, hal-01509457
- (Poster) **Clusterisation de données pour la réduction de la consommation dans les réseaux de capteurs sans fils**, Adrien Russo, François Verdier, Benoît Miramond, *Conférence d'informatique en Parallélisme, Architecture et Système (COMPAS)*, 27/06/2017, Sophia-Antipolis, FR, pp.1, hal-01683802
- (Poster) **Implémentation matérielle des réseaux de neurones artificiels : des Neurosciences au Machine Learning**, Lyes Khacef, Benoît Miramond, *Conférence d'informatique en Parallélisme, Architecture et Système (COMPAS)*, 27/06/2017, Sophia-Antipolis, FR, pp.1, hal-01680726
- (Poster) **Réseaux de Neurones Artificiels pour l'Optimisation de la Consommation dans les Réseaux de Capteurs Sans Fil**, Lyes Khacef, Adrien Russo, Benoit Miramond, François Verdier, *XIIème Colloque du*

- (Poster) **Simulation électromagnétique haute performance et modélisation d'erreurs expérimentales pour la détection et le suivi des accidents vasculaires cérébraux**, Ibtissam El Kanfoud, P.H. Tournier, Claire Migliaccio, Ioannis Aliferis, M. Bonazzoli, Victorita Dolean, F. Rappetti, F. Hecht, F. Nataf, S. Semenov, Christian Pichot., *20èmes Journées Nationales Micro-Ondes. 16-19 mai 2017 à Saint-Malo.*, 16/05/2017, Saint-Malo, FR, hal-01656910
- (Poster) **Antenne miniature implantée pour applications RFID UHF**, Van Hieu Nguyen, Aliou Diallo, Philippe Le Thuc, Stephane Lanteri, Georges F Carle, *20èmes Journées Nationales Microondes (JNM 2017)*, 16/05/2017, Saint-Malo, FR, hal-01486655
- (Poster) **Antenne intégrée reconfigurable robuste à l'influence de l'environnement**, Thomas Houret, Fabien Ferrero, Leonardo Lizzi, Christophe Danchesi, Stéphane Boudaud, *Journées Nationales Microondes (JNM 2017)*, 16/05/2017, Saint Malo, FR, pp.AP-P3 - Antennes compactes POSTERS, hal-01519531
- (Poster) **Miniaturisation d'un Dipôle à 434MHz pour Capteur à Ondes Acoustique de Surface utilisant la technique des Lignes de Transmissions Non-Uniformes**, M. Monedero, Robert Staraj, Mathieu Cosker, Jean-Marc Ribero, *Journées Nationales Microondes (JNM 2017)*, 16/05/2017, Saint Malo, FR, pp.AP-P3 - Antennes compactes POSTERS, hal-01519530
- (Poster) **Technique de découplage pour la conception d'antennes fortement isolées**, Lamia Sadaoui, Georges Kossiavas, Robert Staraj, *Journées Nationales Microondes (JNM 2017)*, 16/05/2017, Saint Malo, FR, pp.AP-P3 - Antennes compactes POSTERS, hal-01519529

## 5 Communications Sans Actes (4 publication(s))

- **Unstructured block meshing in time-domain TLM method with local time-step**, Abdelrahman Ijeh, Michel Ney, *2017 XXXIInd General Assembly and Scientific Symposium of the International Union of Radio Science (URSI GASS)*, 19/08/2017, Montreal, CA, pp.1-3, hal-01722716
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