

Publication du LEAT de l'année 2012

3 juillet 2018



1 Articles en Revue ou Journal avec Comité de Lecture (23 publication(s))

- **Ultra-Low-Power Audio Communication System for Cochlear Implant Application**, Y. Vaiarello, William Tatinian, Y. Leduc, Nicolas Veau, Gilles Jacquemod, *Journal of Low Power Electronics*, 8(5), pp.706-716, 12/2012, hal-01432735
- **Low-profile GNSS antenna with circular polarization**, M. Silva Pimenta, Fabien Ferrero, Robert Staraj, Jean-Marc Ribero, *Microwave and Optical Technology Letters*, 54(12), pp.2811-2814, 12/2012, hal-00763916
- **A Framework for Modeling and Simulating Energy Harvesting WSN nodes with Efficient Power Management Policies**, A. Castagnetti, Alain Pegatoquet, Cécile Belleudy, Michel Auguin, *EURASIP Journal on Embedded Systems (JES)*, 8 pp. <http://jes.eurasipjournals.com/content/2012/1/8>, 10/2012, hal-00763913
- **Using unified power format standard concepts for power-aware design and verification of systems-on-chip at transaction level**, O. Mbarek, Alain Pegatoquet, Michel Auguin, *IET Circuits, Devices & Systems*, 6(5), pp.287-296, 09/2012, hal-00812205
- **Efficiency Measurement of Probe-Fed Antennas Operating at Millimeter-Wave Frequencies**, D. Titz, Fabien Ferrero, P. Brachat, G. Jacquemod, Cyril Luxey, *IEEE Antennas and Wireless Propagation Letters*, 11 pp.1194-1197, 09/2012, hal-00763908
- **Light and Low-Profile GSM Omnidirectional Antenna**, Leonardo Lizzi, Fabien Ferrero, Jean-Marc Ribero, Robert Staraj, *IEEE Antennas and Wireless Propagation Letters*, 11 pp.1146-1149, 09/2012, hal-00763906
- **Development of a Millimeter-Wave Measurement Setup and Dedicated Techniques to Characterize the Matching and Radiation Performance of Probe-Fed Antennas**, D. Titz, Fabien Ferrero, Cyril Luxey, *IEEE Antennas and Propagation Magazine*, 54(4), pp.188-203, 08/2012, hal-00763896
- **Frequency and Time Domain Analysis of Different Approaches to the Backing of an Uwb Slot Antenna**, G. Clementi, Nicolas Fortino, Jean-Yves Dauvignac, Georges Kossiavas, *IEEE Transactions on Antennas and Pro-*

- **Accurate energy characterization of OS services in embedded systems**, B. Ouni, Cécile Belleudy, E. Senn, *EURASIP Journal on Embedded Systems*, 2012(July), 07/2012, hal-00770584
- **Low-profile TETRA wire-patch antenna for automotive applications**, Leonardo Lizzi, Fabien Ferrero, Jean-Marc Ribero, Robert Staraj, *Microwave and Optical Technology Letters*, 54(7), pp.1711-1714, 07/2012, hal-00763891
- **76.5 GHz millimeter-wave radar for foreign objects debris detection on airport runways**, K. Mazouni, A. Zeitler, Jérôme Lanteri, Christian Pichot, Jean-Yves Dauvignac, Claire Migliaccio, N. Yonemoto, A. Kohmura, S. Futatsumori, *International Journal of Microwave and Wireless Technologies*, 4(special issue 3), pp.317-326, 06/2012, hal-00764043
- **Industrial HTCC Antenna-Module SiP for 60-GHz Applications**, D. Titz, R. Pilard, F. Gianesello, Fabien Ferrero, Cyril Luxey, P. Brachat, G. Jacquemod, D. Gloria, *IEEE Antennas and Wireless Propagation Letters*, 11 pp.576-579, 05/2012, hal-00763853
- **Improving wake-up receiver's sensitivity by using a novel architecture**, L.H. Trinh, T.Q.V. Hoang, F. Perret, Fabien Ferrero, *Electronics Letters*, 48(11), pp.659-660, 05/2012, hal-00763523
- **Calibration methodology for a 3D radiation pattern set-up of probe-fed millimeter-wave antennas**, D. Titz, M. Kyrö, Fabien Ferrero, S. Ranvier, Cyril Luxey, P. Brachat, G. Jacquemod, P. Vainikainen, *Microwave and Optical Technology Letters*, 54(5), pp.1183-1189, 05/2012, hal-00763520
- **Efficient Miniaturization Technique for Wire Patch Antenna**, R. Addaci, Aliou Diallo, Philippe Le Thuc, Robert Staraj, *Microwave and Optical Technology Letters*, 54(5), pp.1325-1327, 05/2012, hal-00662013
- **Design and Characterization of CMOS On-Chip Antennas for 60 GHz Communications**, D. Titz, F. Ben Abdeljelil, S. Jan, Fabien Ferrero, Cyril Luxey, P. Brachat, G. Jacquemod, *RADIOENGINEERING*, 21(1), pp.324-332, 04/2012, hal-00763516
- **A nested multi-scaling inexact-Newton iterative approach for microwave imaging**, Giacomo Oliveri, Leonardo Lizzi, Matteo Pastorino, Andrea Massa, *IEEE Transactions on Antennas and Propagation*, 60(2), pp.971-983, 02/2012, hal-01168958
- **Optimal location of multi-antenna systems - Influence of noise-corrupted data**, M. Zoppi, C. Dedeaban, Christian Pichot, S. Selleri, S. Pelosi, *Applied Computational Electromagnetics Society Journal*, 27(2), pp.198-205, 02/2012, hal-00763514
- **Multiband fractal antenna for wireless communication systems for emergency management**, Leonardo Lizzi, Renzo Azaro, Giacomo Oliveri, Andrea Massa, *Journal of Electromagnetic Waves and Applications*, 26(1), pp.1-11, 2012, hal-01168952
- **A time-domain approach to the synthesis of UWB antenna systems**, Leonardo Lizzi, Giacomo Oliveri, Andrea Massa, *Progress In Electromagnetics Research*, 122 pp.557-575, 2012, hal-01168950
- **Millimeter-wave miniaturized hybrid couplers integrated on advanced BiCMOS technology**, D. Titz, Fabien Ferrero, R. Debroucke, R. Pilard, C. Luxey, F. Gianesello, S. Jan, D. Gloria, G. Jacquemod, *Microwave and Optical Technology Letters*, 54(10), pp.2221-2223, 2012, hal-00788171
- **Dual-Band WLAN Diversity Antenna System With High Port-to-Port Isolation**, R. Addaci, Aliou Diallo, Cyril Luxey, Philippe Le Thuc, Robert Staraj, *IEEE Antennas and Wireless Propagation Letters*, 11 pp.244-247, 2012,

- **77 GHz offset reflectarray for FOD detection on airport runways**, K. Mazouni, Christian Pichot, Jérôme Lanteri, Jean-Yves Dauvignac, Claire Migliaccio, S. Futatsumori, A. Kohmura, N. Yonemoto, *International Journal of Microwave and Wireless Technologies*, 4(1), pp.37-43, 2012, hal-00661660

2 Brevets (2 publication(s))

- **Method and device for encoding symbols with a code of the parity check type and corresponding decoding method and device**, Adrian Voicila, David Declercq, Marc Fossorier, François Verdier, Pascal Urard, US20120173947 A1, *United States, Patent n : US20120173947 A1*. 2012, 07/2012, hal-01329301
- **Système d'antenne en diversité**, Aliou Diallo, Philippe Le Thuc, Cyril Luxey, M. Silva Pimenta, Robert Staraj, FR20100060498 20101214, *France, N de brevet : FR20100060498 20101214*. 2012, 15/06/2012, hal-00764127

3 Communications Invitées (8 publication(s))

- **Shape Optimization of Planar Antennas Using Level Set Method**, M. Zoppi, C. Dedebean, Christian Pichot, S. Pelosi, S. Selleri, *IEEE International Conference on Wireless Information Technology and Systems (ICWITS), Special technical session on Antenna Synthesis & Inverse Problems*, 11/11/2012, Maui, Hawaï, US, pp.Paper WITS1077, hal-00773433
- **Millimeter-wave imaging : Quantitative reconstructions from experimental data in the W-band**, A. Moynot, A. Zeitler, Iannis Aliferis, Claire Migliaccio, Jean-Yves Dauvignac, Christian Pichot, *IEEE International Conference on Wireless Information Technology and Systems (ICWITS), Special technical session on Antenna Synthesis & Inverse Problems*, 11/11/2012, Maui, Hawaï, US, pp.Paper WITS1155, hal-00773431
- **Method of Miniaturization and Integration applied on IR-UWB Antenna**, A. Chami, P. Brachat, Georges Kosias, Nicolas Fortino, O. Fourquin, S. Bourdel, J. Gaubert, *Innovative Printed Smart Objects (IPSO)*, 16/10/2012, Gardanne, FR, hal-00933085
- **Optimal location of multiple objects or multi-antenna systems**, M. Zoppi, Christian Pichot, C. Dedebean, S. Selleri, S. Pelosi, *2012 IEEE International Symposium on Antennas and Propagation and USNC/URSI Meeting (2012 IEEE AP-S & USNC/URSI)*, 08/07/2012, Chicago, US, pp.Paper s353p2.pdf. 10.1109/APS.2012.6348824, p. 1-4., hal-00780519
- **Process Variation Compensation for Wireless Microphone Applications**, Y. Vaiarello, Y. Leduc, William Tatinian, Nicolas Veau, Gilles Jacquemod, *European Workshop on CMOS Variability - VARI*, 11/06/2012, Sophia Antipolis, FR, hal-01435851
- **Circularly polarized patch antenna with an auto-adaptive control loop**, Fabien Ferrero, F. Perret, Jean-Marc Ribero, Robert Staraj, *Advanced Electromagnetics Symposium (AES 2012)*, 16/04/2012, Paris, FR, hal-00764130
- **W-band imaging with complex scattered field measurements of a dielectric cylinder**, A. Zeitler, Claire Migliaccio, A. Moynot, Iannis Aliferis, Laurent Brochier, Jean-Yves Dauvignac, Christian Pichot, *6th European Conference on Antennas and Propagation (EuCAP)*, 26/03/2012, Prague, CZ, pp.3686-3689, hal-00773429
- **MAXWELL : Nouveau système d'acquisition, ultra large bande (ULB), bistatique, multipolarisation, à large offset, pour l'imagerie microonde et l'inversion de la permittivité**, Christian Pichot, *Grand Colloque*

4 Communications Internationales Avec Actes (51 publication(s))

- **Fast and Accurate Analysis Method of a Circular Patch Antennas using Neurospectral Method**, N. Hamdiken, R. Addaci, T. Fortaki, *24th International Conference on Microelectronics (ICM 2012)*, 17/12/2012, Algiers, DZ, hal-00764565
- **Neutralization Technique Model Using Artificial Neural Networks**, R. Addaci, N. Hamdiken, T. Fortaki, Robert Staraj, *24th International Conference on Microelectronics (ICM 2012)*, 17/12/2012, Algiers, DZ, hal-00764563
- **Module Relocation in Heterogeneous Reconfigurable Systems-on-Chip using the Xilinx Isolation Design Flow**, Laurent Gantel, Mohamed El Amine Benkhelifa, Fabrice Lemonnier, François Verdier, *International conference on ReConFigurable Computing and FPGAs (ReConFig)*, 05/12/2012, Cancun, MX, pp.1-6, hal-00794049
- **Power Consumption Model for Partial Dynamic Reconfiguration**, Robin Bonamy, Daniel Chillet, Sebastien Bilavarn, Olivier Sentieys, *International Conference on ReConFigurable Computing and FPGA (RECONFIG'2012)*, 05/12/2012, Cancun, MX, hal-00741611
- **Modeling and optimization of a low noise RF transmitter for cochlear implant application**, Umberto Cerasani, Y. Vaiarello, William Tatinian, Gilles Jacquemod, *Design of Circuits and Integrated Systems (DCIS)*, 28/11/2012, Avignon, FR, hal-01432729
- **Power Manager with PID controller in Energy Harvesting Wireless Sensor Networks**, T.-N. Le, Olivier Sentieys, O. Berder, Alain Pegatoquet, Cécile Belleudy, *IEEE International Conference on Internet of Things, Workshop on energy and Wireless Sensors (e-WiSe)*, 22/11/2012, Besançon, FR, hal-00764554
- **Wideband LDS antenna using two radiating elements**, Florence Sonnerat, Romain Pilard, Frédéric Giancesello, Daniel Gloria, François Le Penne, Christian Person, Aykut Cihangir, Fabien Ferrero, Cyril Luxey, Patrice Brachet, *Loughborough Antenna and Propagation Conference*, 12/11/2012, Loughborough, GB, hal-00797574
- **60 GHz Patch Antenna Using IPD Technology**, D. Titz, A. Bisognin, Fabien Ferrero, C. Luxey, G. Jacquemod, C. Laporte, H. Ezzeddine, M. Valente, P. Brachet, *Loughborough Antennas & Propagation Conference*, 12/11/2012, Loughborough, FR, hal-00764538
- **Wireless Interrogation of an Implanted Temperature Sensor in a Mouse**, P. Perrissol, M. Monedero, R. Ndashymie, Aliou Diallo, Philippe Le Thuc, Robert Staraj, G.F. Carle, *IEEE International Conference on RFID Technologies and Applications (RFID-TA)*, 05/11/2012, Nice, FR, pp.52-55, hal-00764533
- **Ka-band Beam Switchable Fresnel Reflector**, A. Kohmura, Jérôme Lanteri, Fabien Ferrero, Claire Migliaccio, S. Futatsumori, N. Yonemoto, *International Symposium on Antennas and Propagation (ISAP 2012)*, 29/10/2012, Nagoya, JP, pp.Paper P0361, hal-00764532
- **MIMO antenna design with genetic algorithm for TTW radar imaging**, B. Boudamouz, P. Millot, Christian Pichot, *42nd European Microwave Conference (EuMW2012)*, 28/10/2012, Amsterdam, NL, ISBN 978-1-4673-2471-7, pp.150-153, hal-00780534
- **GRECO : GREen Communicating Objects**, O. Berder, Olivier Sentieys, T.-N. Le, R. Fontaine, Alain Pegatoquet, Cécile Belleudy, Michel Auguin, G. Jacquemod, William Tatinian, F. Broekaert, A. Didioui, C. Bernier, K. Ben Chehida, S. Bourdel, H. Barthelemy, P. Ciais, C. Barratt, *IEEE Conference on Design and Architectures for Signal and Image Processing (DASIP)*, 23/10/2012, Karlsruhe, DE, hal-00764530

- **Black-Box And White-Box Early Power Intent Simulation and Verification : Two Novel Approaches**, O. Mbarek, Alain Pegatoquet, Michel Auguin, *IEEE Conference on Design and Architectures for Signal and Image Processing (DASIP)*, 23/10/2012, Karlsruhe, DE, hal-00764525
- **Open-People : an Open Platform for Estimation and Optimizations of energy consumption**, Eric Senn, Daniel Chillet, Olivier Zendra, Cécile Belleudy, Rabie Ben Atitallah, Agnès Fritsch, Christian Samoyeau, *Design and Architectures for Signal and Image Processing Conference (DASIP 2012)*, 23/10/2012, Karlsruhe, DE, hal-00741609
- **Inter-process communication energy estimation through AADL modeling**, B. Ouni, H. Ben Rekhissa, Cécile Belleudy, *International Conference on Synthesis, Modeling, Analysis and Simulation Methods and Applications to Circuit Design (SMACD'12)*, 19/09/2012, Seville, ES, pp.4 p., hal-00770593
- **Energy Characterization and classification of embedded operating system services**, Eric Senn, Cécile Belleudy, Bassem Ouni, *15th Euromicro Conference on Digital System Design*, 05/09/2012, Izmir, TR, pp.xx, hal-00760328
- **Open-People : Open Power and Energy Optimization PPlatform and Estimator**, Daniel Chillet, Eric Senn, Olivier Zendra, Cécile Belleudy, Sebastien Bilavarn, Rabie Ben Atitallah, Christian Samoyeau, Agnès Fritsch, *15th Euromicro Conference on Digital System Design*, 05/09/2012, Cesme, Izmir, TR, hal-00741610
- **Fast Integration of Hardware Accelerators for Dynamically Reconfigurable Architecture**, Clément Foucher, Fabrice Muller, Alain Giulieri, *7th International Workshop on Reconfigurable Communication-centric Systems-on-Chip (ReCoSoC 2012) joint IEEE CAS*, 09/07/2012, York, GB, pp.1 - 7, hal-00748836
- **High-level model of sensor architecture for hardware and software design space exploration**, N. Serna, François Verdier, *7th International Workshop on Reconfigurable Communication-centric Systems-on-Chip (ReCoSoC)*, 09/07/2012, York, GB, pp.10.1109/ReCoSoC.2012.6322905, hal-00854738
- **Planar Inverted F Antenna Circularly Polarized for RFID applications**, S. Pflaum, Georges Kossiavas, Robert Staraj, *IEEE Antennas and Propagation International Symposium (IEEE-APS)*, 08/07/2012, Chicago, US, hal-00933080
- **Evaluation of the MIMO Performance of LTE Handsets**, I. Dioum, Aliou Diallo, S.M. Farssi, Cyril Luxey, *IEEE International Symposium on Antennas and Propagation (AP-S 2012) and USNC-URSI National Radio Science Meeting*, 08/07/2012, Chicago (Illinois), US, hal-00777170
- **HDI Organic Technology Integrating Built-In Antennas Dedicated to 60 GHz SiP Solution**, R. Pilard, D. Titz, F. Gianesello, P. Calascibetta, J.-M. Riviere, J. Lopez, R. Coffy, E. Saugier, A. Poulain, Fabien Ferrero, Cyril Luxey, P. Brachat, G. Jacquemod, D. Gloria, *IEEE International Symposium on Antennas and Propagation (AP-S 2012) and USNC-URSI National Radio Science Meeting*, 08/07/2012, Chicago, US, hal-00764516
- **Design of a Miniaturized Butler Matrix in IPD Process for 60 GHz Switched-Beam Antenna Arrays**, D. Titz, Fabien Ferrero, C. Luxey, G. Jacquemod, C. Laporte, H. Ezzeddine, *Proc. IEEE International Symposium on Antennas and Propagation (AP-S 2012) and USNC-URSI National Radio Science Meeting*, 08/07/2012, Chicago, US, hal-00764514
- **High-Efficiency Elliptical-Slot Silicon RFIC Antenna with Quartz Superstrate**, J.M. Edwards, G.M Rebeiz, D. Titz, Fabien Ferrero, Cyril Luxey, *IEEE International Symposium on Antennas and Propagation (AP-S 2012) and USNC-URSI National Radio Science Meeting*, 08/07/2012, Chicago, Illinois, US, hal-00764455
- **Compact Low-Profile Omnidirectional Surface Wave Antenna for UMTS Applications**, Léonardo Lizzi, Fabien Ferrero, Jean-Marc Ribero, Robert Staraj, *IEEE International Symposium on Antennas and Propagation (AP-*

- **Chassis engineering to enlarge the bandwidth for GSM-450 application**, Fabien Ferrero, Jean-Marc Ribero, Robert Staraj, *IEEE International Symposium on Antennas and Propagation (AP-S 2012) and USNC-URSI National Radio Science Meeting*, 08/07/2012, Chicago, Illinois, US, hal-00764451
- **A Fast and Accurate Method to Measure the Radiation Characteristics of Probe-fed Circularly-Polarized Antennas in Mm-Wave Bands**, D. Titz, Fabien Ferrero, Cyril Luxey, G. Jacquemod, *IEEE International Symposium on Antennas and Propagation (AP-S 2012) and USNC-URSI National Radio Science Meeting*, 08/07/2012, Chicago, US, pp.1-2, hal-00764449
- **Evaluation of Diversity and MIMO Performance of a New High Port to Port Isolation Dual-Band System**, R. Addaci, Aliou Diallo, Philippe Le Thuc, Robert Staraj, K. Haneda, P. Vainikainen, *IEEE International Symposium on Antennas and Propagation and USNC-URSI National Radio Science Meeting*, 08/07/2012, Chicago, Illinois, US, hal-00688218
- **Design of multi-antenna diversity system dedicated to sensor interrogation in multi-path environments**, R. Addaci, Fabien Ferrero, Aliou Diallo, Philippe Le Thuc, Robert Staraj, N. Crisan, L. Cremene, Cyril Luxey, *2012 15th International Symposium on Antenna Technology and Applied Electromagnetics (ANTEM)*, 25/06/2012, Toulouse, FR, pp.1-4, hal-01798211
- **An Efficient Mobility Management Approach For IEEE 802.15.4/ZigBee Nodes**, C. Chaabane, Alain Pegatoquet, Michel Auguin, M. Ben Jemaa, *14th IEEE International Conference on High Performance Computing and Communications (HPCC-2012) - Third International Workshop on Wireless Networks and Multimedia (WNM-2012)*, 25/06/2012, Liverpool, GB, pp.897-902, hal-00764437
- **Design of Multi - Antenna Diversity System dedicated to Interrogation in Noisy Propagation Environments**, R. Addaci, Fabien Ferrero, Aliou Diallo, Philippe Le Thuc, Cyril Luxey, Robert Staraj, *15th International Symposium on ANtenna Technology and applied ElectroMagnetics*, 25/06/2012, Toulouse, FR, hal-00688216
- **A High Level Mixed Software/Hardware Modeling Framework for Rapid Performance Estimation**, J. Kriegel, Alain Pegatoquet, Michel Auguin, F. Broekaert, *10th IEEE International NEWCAS Conference*, 17/06/2012, Montreal, CA, pp.233-236, hal-00764436
- **New Wideband Integrated Miniature Branchline Coupler for Beamforming Applications**, D. Titz, Fabien Ferrero, R. Pilard, C. Laporte, S. Jan, H. Ezzeddine, F. Gianesello, D. Gloria, Cyril Luxey, G. Jacquemod, *IEEE International Microwave Symposium (IMS 2012)*, 17/06/2012, Montreal, CA, pp.1-3, hal-00764433
- **Waveperf : A Benchmark Generator for Performance Evaluation**, J. Kriegel, Alain Pegatoquet, Michel Auguin, F. Broekaert, *2nd ACM SIGBED Embed With Linux (EWiLi) Workshop*, 07/06/2012, Lorient, FR, pp.7-11, hal-00764409
- **Energy leakage in low power embedded operating systems using DVFS policy**, B. Ouni, Cécile Belleudy, E. Senn, *11th IEEE Faible Tension Faible Consommation (FTFC '12)*, 06/06/2012, Paris, FR, pp.4 p., hal-00770595
- **Energy Analysis of a DVFS Power Strategy on ARM platforms**, J.J. Khan, Sébastien Bilavarn, Cécile Belleudy, *IEEE Faible Tension Faible Consommation (FTFC 2012)*, 06/06/2012, Paris, FR, pp.1-4, hal-00764408
- **Realistic energy modeling of scheduling, interprocess communication and context switch routines**, B. Ouni, Cécile Belleudy, E. Senn, *7th International conference on Design and Technology of Integrated systems in Nanoscale Era (DTIS '12)*, 16/05/2012, Gammarth, TN, pp.6 p., hal-00770598
- **Impact of Operating Points on DVFS Power Management**, J.J. Khan, Sébastien Bilavarn, Cécile Belleudy, *7th*

- **Low power wireless microphone transceiver based on analog to time conversion for cochlear implant application**, Gilles Jacquemod, D. Jausseran, Oumy Diop, Y. Vaiarello, Aziz El-Amraoui, Fabien Ferrero, William Tatinian, Y. Leduc, Nicolas Veau, H. Ezzedine, Claire Laporte, *International Conference on Small Science (ICSS)*, 16/04/2012, orlando, US, pp.74-82, hal-01432748
- **An Efficient State of Charge Prediction Model for Solar Harvesting WSN Platforms**, A. Castagnetti, Alain Pegatoquet, Cécile Belleudy, Michel Auguin, *19th IEEE International Conference on Systems, Signals and Image Processing (IWSSIP)*, 11/04/2012, Vienne, AT, pp.122-125, hal-00666904
- **Ka-band Dual Frequency Switchable Reflect array**, A. Kohmura, Jérôme Lanteri, Fabien Ferrero, Claire Migliaccio, Ph. Ratajczak, S. Futatsumori, N. Yonemoto, *6th European Conference on Antennas and Propagation (EuCAP)*, 26/03/2012, Prague, CZ, pp.3230-3233, hal-00764406
- **Antenna-in-Package Using PCB and IPD Technologies for 60 GHz Applications**, D. Titz, Fabien Ferrero, Cyril Luxey, G. Jacquemod, C. Laporte, H. Ezzeddine, *6th European Conference on Antennas and Propagation (EuCAP)*, 26/03/2012, Prague, CZ, pp.2591-2594, hal-00764367
- **A Novel Multi-Band Antenna Design with Matching Network for Use in Mobile Terminals**, A. Cihangir, Fabien Ferrero, Cyril Luxey, G. Jacquemod, *6th European Conference on Antennas and Propagation (EuCAP)*, 26/03/2012, Prague, CZ, pp.1667-1671, hal-00764366
- **Near-field contact-less return loss measurement of a 434MHz dipole antenna-SAW sensor system**, M. Monedero, Philippe Le Thuc, E. Seguenot, Robert Staraj, *6th European Conference on Antennas and Propagation (EuCAP)*, 26/03/2012, Prague, CZ, pp.2166-2169, hal-00764365
- **Textile artificial magnetic conductor for GPS applications**, M. Silva Pimenta, Fabien Ferrero, P. Brachat, Ph. Ratajczak, Robert Staraj, Jean-Marc Ribero, *6th European Conference on Antennas and Propagation (EuCAP)*, 26/03/2012, Prague, CZ, pp.2884-2886, hal-00764364
- **Circular polarization wire patch antenna for RFID applications**, S. Pflaum, Robert Staraj, Georges Kossiavas, *6th European Conference on Antennas and Propagation (EuCAP)*, 26/03/2012, Prague, CZ, pp.2997-3000, hal-00764363
- **Using Model Driven Engineering to Reliably Accelerate Early Low Power Intent Exploration for a System-on-Chip Design**, O. Mbarek, A. Khecharem, Alain Pegatoquet, Michel Auguin, *27th ACM Symposium On Applied Computing (SAC)*, 26/03/2012, Trento, IT, hal-00666898
- **Planar Antennas on Integrated Passive Device Technology for Biomedical Applications**, O. Diop, Fabien Ferrero, Aliou Diallo, G. Jacquemod, C. Laporte, H. Ezzeddine, Cyril Luxey, *International Workshop on Antenna Technology (IWAT 2012)*, 05/03/2012, Tucson, AZ, US, pp.216-220, hal-00764362
- **Radiation Pattern Characterization of Antennas at Millimeter Wave Frequencies**, D. Titz, Fabien Ferrero, Cyril Luxey, P. Brachat, G. Jacquemod, *International Workshop on Antenna Technology (IWAT 2012)*, 05/03/2012, Tucson, AZ, US, pp.311-314, hal-00764361
- **An Open-Loop Energy Neutral Power Manager for Solar Harvesting WSN**, A. Castagnetti, Alain Pegatoquet, Cécile Belleudy, Michel Auguin, *2nd International Conference on Pervasive and Embedded Computing and Communication Systems (PECCS)*, 24/02/2012, Rome, IT, hal-00666892
- **Energy Optimization For Mobile Nodes in a Cluster Tree IEEE 802.15.4/ZigBee Network**, C. Chaabane,

5 Communications Sans Actes (19 publication(s))

- **GRECO : GREEn Communicating Objects**, O. Berder, Olivier Sentieys, Trong-Nhan Le, Alain Pegatoquet, Cécile Belleudy, F. Broekaert, C. Bernier, S. Bourdel, K. Ben Chehida, C. Barratt, *Forum SAME (Sophia Antipolis Microelectronics)*, 03/10/2012, Sophia Antipolis, FR, hal-00764520
- **Wireless Microphone Receiver based on Analog to Time Conversion**, D. Jausseran, Y. Vaiarello, Aziz El-Amraoui, Y. Leduc, Nicolas Veau, Gilles Jacquemod, *Forum SAME (Sophia Antipolis Microelectronics)*, 02/10/2012, Sophia Antipolis, FR, hal-01432753
- **Wearable antennas for firefighters**, M. Silva Pimenta, M. Mantash, Fabien Ferrero, Jean-Marc Ribero, S. Collarday, A.-C. Tarot, A. De Lustrac, Ph. Ratajczak, K. Sayegrih, *Sophia Antipolis forum of MicroElectronics (SAME 2012)*, 02/10/2012, Sophia Antipolis, FR, pp.University Booth, Session 2, Demo 6, hal-00764583
- **Wireless power transmission using a 2.45 GHz compact rectenna**, T.Q.V. Hoang, F. Perret, Fabien Ferrero, Jean-Lou Dubard, Alexandre Douyère, Jean-Daniel Lan Sun Luk, *Sophia Antipolis forum of MicroElectronics (SAME 2012)*, 02/10/2012, Sophia Antipolis, FR, pp.University Booth, Session 2, Demo 4, hal-00764575
- **IPD technology for co-integration of balun and miniature antennas at 2.4 GHz**, O. Diop, Fabien Ferrero, Aliou Diallo, Cyril Luxey, C. Laporte, H. Ezzeddine, *International Symposium Sophia Antipolis forum of MicroElectronics (SAME 2012)*, 02/10/2012, Sophia Antipolis, FR, pp.University Booth, Session 1, Demo 2, hal-00764568
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