

Publications de l'unité de recherche "Electronique et Microélectronique"

2020

Publications référencées

- Silva Sérgio N., Lopes Felipe F., Valderrama Carlos, Fernandes Marcelo A. C., "Proposal of Takagi–Sugeno Fuzzy-PI Controller Hardware" in *Sensors*, 20, 7, <https://doi.org/10.3390/s20071996> (2020)

Chapitres d'ouvrages en tant qu'auteur

- Garcia Vazquez Hugo, Quenon Alexandre, Popov Grigory, Dualibe Fortunato, "Chapter 11: Design of an ULP-ULV RF-Powered CMOS Front-End for Low-Rate Autonomous Sensors" in "Wireless Power Transmission for Sustainable Electronics: COST WIPE - IC1301" , John Wiley & Sons, 9781119578543 (2020)

Actes de congrès avec peer reviewing

- Quenon Alexandre, Daubie Evelyne, Moeyaert Véronique, Dualibe Fortunato, "R-testbench: a Python library for instruments remote control and electronic test bench automation" in "Sixth International Conference on Sensors and Electronic Instrumentation Advances" , Porto, Portugal (2020) (à publier)
- Belabed Tarek, "Low Cost and Low Power Stacked Sparse Autoencoder Hardware Acceleration for Deep Learning Edge Computing Applications" in "6th International Conference on Advanced Technologies for Signal and Image Processing (ATSIP)" , Sousse, Tunisia (2020) (soumise)

Autres publications

- Quenon Alexandre, "R-testbench" , Divers/Logiciel (2020)
- Castagnola Juan Luis, Dualibe Fortunato, Laprovitta Agustín, GARCIA-VAZQUEZ Hugo, "A Novel Design and Optimization Approach for Low Noise Amplifiers (LNA) Based on MOST Scattering Parameters and the gm/ID Ratio" in *Electronics*, Article/Dans un journal avec peer-review (2020)

Présentations (orale ou poster) avec abstract

- Quenon Alexandre, "R testbench" in "Sixth International Conference on Sensors and Electronic Instrumentation Advances" , Porto, Portugal (2020) (à publier)

2019

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- Ramos Gomes Da Silva Vitor, Furtunato Alex, Georgiou Kyriakos, Kerstin Eder, Valderrama Carlos, De Souza Samuel Xavier, "Energy-Optimal Configurations for Single-Node HPC Applications" in "International Conference on High Performance Computing & Simulation" , Dublin, Ireland (2019)
- Costa Silva Fabrício, Alves De Albuquerque Glauberto Leilson, SILVEIRA Luiz Felipe Q., Valderrama Carlos, Xavier De Souza Samuel, "Variance-Triggered Two-Step GPS Acquisition" in *Sensors*, 19, 13, 1-19, sensors-479277 (2019)
- Ramos Gomes Da Silva Vitor, Valderrama Carlos, De Souza Samuel Xavier, Manneback Pierre, "An Accurate Tool for Modeling, Fingerprinting, Comparison, and Clustering of Parallel Applications Based on Performance Counters" in "IEEE International Parallel and Distributed Processing Symposium" , Rio de Janeiro, Brazil (2019)
- BLAIECH Ahmed Ghazi, BEN KHALIFA Khaled, Valderrama Carlos, FERNANDES Marcelo A.C., BEDOUI Mohamed Hedi, "Taxonomy of FPGA-Based Topologies for Future Deep Learning Architectures" in *Journal of Systems Architecture* (2019)

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- Raluca Maria Aileni, Suci G., Balaceanu C., Beceanu C., Petrache A., Nadrag C., Sever Pasca, Valderrama Carlos, "Body Area Network Challenges and Solutions" in Raluca Maria Aileni, Suci G., Balaceanu C., Beceanu C., Petrache A., Nadrag C., Sever Pasca, Valderrama Carlos, "Body Area Network Challenges and Solutions", Springer International Publishing, Maheswar R., G. Kanagachidambaresan R., Jayaparavathy Raman, Thampi Sabu M., 978-3-030-00865-9 (2019)
- Aileni Raluca Maria, Suci G., Balaceanu C., Valderrama Carlos, "Body Area Network (BAN) for Healthcare by Wireless Mesh Network (WMN)" in "Body Area Network Challenges and Solutions", Springer International Publishing, 978-3-030-00865-9 (2019)

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- BEN FREDJ Hana, Belabed Tarek, BOUGUEZZI Safa, SOUANI Chokri, "GPU Acceleration of 2D-DWT image compression with CUDA" in "The 9th International Conference Sciences of Electronics, Technologies of Information and Telecommunications (SETIT 2020)", Hammamet, Tunisie (2019) (soumise)
- Yvanoff-Frenchin C., Ramos Gomes Da Silva Vitor, Belabed Tarek, Valderrama Carlos, "An Edge Computing Robot Experience for Automatic Elderly Mental Health Care Based on Voice" in "ICT Innovations", Ohrid, North Macedonia (2019)
- Patel Monal, YADAV ARVIND, Valderrama Carlos, "YOLO-based Method for Indian Car License Plate Detection" in "ISER ICABMIS International Conference on Advances in Business Management and Information Science", 63-67, Sydney, Australia (2019)
- Stander Tinus, Petrashin Pablo, Toledo Luis, Lancioni Walter, Vazquez C., Dualibe Fortunato, "Influence of Oscillator Topology on Fault Sensitivity in Oscillation Based Testing (OBT) of OTAs" in " Argentine Conference on Electronics, CAE ", Mar del Plata, Argentina (2019)
- De Lima Jader, Dualibe Fortunato, "A 13-nW Voltage Reference with Orthogonal Trimming of Absolute Value and Temperature Coefficient" in "IEEE LASCAS Latin American Symposium on Circuits and Systems;", Armenia, Colombia (2019)
- Lancioni Walter, Petrashin Pablo, Toledo Luis, Castagnola Juan, Dualibe Fortunato, "OBT applied to a 2nd order continuous time feedforward sigma delta modulator" in "IEEE Latin American Test Symposium, LATS", Santiago, Chile (2019)

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- Patel Warish D., Patel Chirag, Valderrama Carlos, "IoT based Efficient Vital Signs Monitoring System for Elderly Healthcare Using Neural Network" in International Journal of Research, VIII, I, 239-244, DOI:16.10089.IJR.2018.V8I1.285311.234454, Article/Dans un journal avec peer-review (2019)

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- Valderrama Carlos, "6th Reconfigurable Market Workshop" in "MUSICS-FNRS doctoral school 6th Reconfigurable Market Workshop", Mons, Belgium (2019)
- Belabed Tarek, Valderrama Carlos, "Autoencoder hardware topologies for Edge Computing" in "MUSICS-FNRS doctoral school 6th Reconfigurable Market Workshop", Mons, Belgium (2019)
- Ramos Gomes Da Silva Vitor, Valderrama Carlos, "Energy aware models for HPC systems" in "MUSICS-FNRS doctoral school 6th Reconfigurable Market Workshop", Mons, Belgium (2019)
- Valderrama Carlos, "UFRN PPGEEC/CT Winter School: Artificial Intelligence platforms and tools" in "UFRN PPGEEC/CT Winter School : Artificial Intelligence platforms and tools", UFRN Natal, Brazil (2019)
- Quenon Alexandre, "Energy harvesting in nuclear environments" in "Infotech Day", Mons, BE (2019)
- Dualibe Fortunato, Quenon Alexandre, García-Vázquez Hugo, "Sustainable electronics based on Wireless Power Transfer techniques: some contributions from the COST ACTION IC1301" in "Infotech Day", Mons, BE (2019)

- Leger Louise, Quenon Alexandre, Daubie Evelyne, Dualibe Fortunato, "Effects of ionizing radiation in semiconductor devices: simulation with Geant4" in "Mardi des Chercheurs 2019 (MdC2019)" , Mons, Belgique (2019)
- Quenon Alexandre, Dualibe Fortunato, "Energy harvesting methods for powering Wireless Sensor Networks used to monitor nuclear environments: an overview" in "Mardi des Chercheurs 2019 (MdC2019)" , Mons, Belgique (2019)

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- Dualibe Fortunato, "Public disertation : An Ultra-Low Power and Ultra-Low Voltage RF-Powered CMOS Front-End for Low-Rate Autonomous Sensors for WSN nodes" in " IEEE student branch Workshop, University of Pretoria" , Pretoria, South Africa (2019)

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- LIMA Arthur D.L., Barros Carlos, De Souza Samuel Xavier, SILVEIRA Luiz Felipe Q., Valderrama Carlos, "Erratum: Parallel Cyclostationarity-Exploiting Algorithm for Energy-Efficient Spectrum Sensing" in IEICE Transactions on Communications (2018)

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- Hendrick Nel, Stander Tinus, Dualibe Fortunato, "Built-In Oscillation-Based Self-Testing of a 2.4 GHz LNA in 0.35 m CMOS" in "IEEE International Conference on Electronics Circuits and Systmems" , Bordeaux, France (2018)
- Seutin Nathan, Garcia Vazquez Hugo, Quenon Alexandre, Dualibe Fortunato, "Design of a Low-Voltage EEG Detector Based on a Chopping Amplifier in CMOS 65-nm" in "IEEE International Conference on Electronics, Circuits and Systems (IEEE ICECS)" , 261-264, Bordeaux, France (2018)
- Aileni Raluca Maria, Pasca Sever, Strungaru Rodica, Valderrama Carlos, "Biomedical Signal Acquisition for Respiration Monitoring by Flexible Analog Wearable Sensors" in "IEEE EHB E-Health and Bioengineering" , 21, 81-85, Sinaia, Romania (2018)
- Petrashin Pablo, Toledo Luis, Vázquez Carlos, Stander Tinus, Dualibe Fortunato, "Influence of Passive Oscillator Component Variation on OBT Sensitivity in OTAs" in "19th IEEE Latin American Test Symposium 2018" , Sao Paulo, Brazil (2018)
- Lancioni Walter, Dualibe Fortunato, Petrashin Pablo, Toledo Luis, Vazquez C., "Continuous Time Full-Feedforward MASH 2-2 Architecture for Sigma-Delta Modulators" in "IEEE Latin American Syposium on Circuits and Systems" , Puerto Vallarta, Mexico (2018)
- Castagnola Juan Luis, Garcia Vazquez Hugo, Dualibe Fortunato, "Design and optimisation of a cascode low noise amplifier (LNA) using MOST scattering parameters and gm/ID ratio" in "IEEE Latin American Symposium on Circuits and Systems" , Puerto Vallarta, Mexico (2018)

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- Lima Z., Garcia Vazquez Hugo, Rodriguez R., Khemchandani S.L., Dualibe Fortunato, del Pino J., "System for Controlling and Monitoring IoT Applications" in Applied System Innovation, Article/Dans un journal avec peer-review (2018)

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- Roland François, Bette Sébastien, Filippi Enrico, "Fab-IoT-Lab" in "Journée IIoT" , Strasbourg, France (2018)

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- Valderrama Carlos, "5th Reconfigurable Market Seminar" in "MUSICS-FNRS Reconfigurable Market Seminar" , Mons, Belgium (2018)
- Luong Peter, Christoffersen Carlos, Rossi Conrado, Dualibe Fortunato, "Nanopower, Sub-1V, CMOS Voltage References With Digitally-Trimable Temperature Coefficients" in "2018 IEEE International Symposium on Circuits and Systems (ISCAS)" , Florence, Italy (2018)
- Dualibe Fortunato, "Sizing CMOS Amplifiers by means of the gm/Id Methodology" in "2018 Microelectronics Workshop of the Carl and Emily Fuchs Institute of Microelectronics" , University of Pretoria, Pretoria, South Africa (2018)

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- Garcia Vazquez Hugo, Dualibe Fortunato, Popov Grigory, "A 0.5V Fully Differential Transimpedance Amplifier in 65-nm CMOS Technology" in IEEE International Midwest Symposium on Circuits and Systems (2017)
- Aileni Raluca Maria, Pasca Sever, Strungaru Rodica, Valderrama Carlos, "Biomedical signal acquisition for respiration monitoring by flexible analog wearable sensors" in E-Health and Bioengineering (2017)
- Maaloul Boutheina, Taleb Ahmed Abdelmalik, Niar Smail, Harb Naim, Valderrama Carlos, "Adaptive Video-Based Algorithm for Accident detection on Highways" in "International Symposium on Industrial Embedded Systems" , Toulouse, France (2017)
- Harb Naim, Valderrama Carlos, Pisane Jonathan, "FPGA-based Digital Tunable Wireless Transceiver for the TETRA-TETRAPOL Bands" in "International Symposium on Industrial Embedded Systems" , Toulouse, France (2017)
- Carvalho Nuno Borges, Georgiadis Apostolos, Costanzo Alessandra, Stevens Nobby, Kracek Jan, Pessoa Luís, Roselli Luca, Dualibe Fortunato, Schreurs Dominique, Mutlu Senol, Rogier Hendrik, Visser Huib, Takacs Alexandru, Rocca Paolo, Dimitriou Antonis, Michalski Jerzy, Raida Zbynek, Tedjini Smail, Joseph Wout, Duroc Yvan, Sahalos John N., Bletsas Aggelos, Samaras Theodoros, Nikolettseas Sotiris, Raptis Theofanis P., Boaventura Alírio, Collado Ana, Trevisan Riccardo, Minnaert Ben, Svanda Milan, Pereira Mário, Mongiardo Mauro, Popov Grigory, Pan Ning, Aubert Herve, Viani Federico, Siachalou Stavroula, Kant Przemyslaw, Andia Vera Gianfranco, Polycarpou Anastasis C., Cruz Pedro, Mastro Franco, Mazanek Milos, Santos Hugo, Alimenti Federico, Garcia Vazquez Hugo, Pollin Sofie, Poli Lorenzo, Belo Daniel, Masotti Diego, Machac Jan, Tavares Vítor, Mezzanotte Paolo, Ndungidi Papy, Oliveri Giacomo, Fernandes Ricardo, Salgado Henrique, Moeyaert Véronique, Massa Andrea, Gonçalves Ricardo, Pinho Pedro, Monti Giuseppina, Tarricone Luciano, Dionigi Marco, Russer Peter, Russer Johannes, "Europe and the Future for WPT: European Contributions to Wireless Power Transfer Technology" in IEEE Microwave Magazine, 18, 4, 56-87, DOI : 10.1109/MMM.2017.2680078 (2017)
- Escobar Fernando A., Kolar Anthony, Harb Naim, Vinci dos Santos Filipe, Valderrama Carlos, "Scalable shared-memory architecture to solve the Knapsack 0/1 problem" in Microprocessors & Microsystems, 50, 2017, 189-201, 10.1016/j.micpro.2017.04.001 (2017)
- Avelino Alvaro, Obac Valentin, Harb Naim, Valderrama Carlos, Alves De Albuquerque Glauberto Leilson, Possa Paulo, "LP-P2IP: a low-power version of P2IP architecture using Partail Reconfiguration" in "International Workshop on Applied Reconfigurable Computing" , Delft, Netherlands (2017)
- Luong Peter, Christoffersen Carlos, Rossi Conrado, Dualibe Fortunato, "Nanopower, Sub-1 V, CMOS Voltage References With Digitally-Trimable Temperature Coefficients" in IEEE Transactions on Circuits and Systems. I, Regular Papers : A Publication of the IEEE Circuits and Systems Society, Volume: 64, Issue: 4 (April), Pages: 787 - 798, DOI: 10.1109/TCSI.2016.2632072 (2017)

Ouvrages

- Goleva Rossitza Ivanova, Ganchev Ivan, Dobre Ciprian, Garcia Nuno, Valderrama Carlos, "IET HEALTHCARE TECHNOLOGIES SERIES 10, Enhanced Living Environments: From models to technologies" , IET The Institution of Engineering and Technology, 978-1-78561-211-4 (2017)

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- Aileni Raluca Maria, Suci G., Valderrama Carlos, Pasca Sever, Strungaru Rodica, Martian A., "IoT Perspective by Data Anonymization for Wearable Medical Devices" in "Future Access Enablers for Ubiquitous and Intelligent Infrastructures" , Springer LNICST , Fratu Octavian, Militaru Nicolae, Halunga Simona, 78-3-319-92212-6 (2017)
- Aileni Raluca Maria, Pasca Sever, Valderrama Carlos, Strungaru Rodica, "Chapter 13 Wearable health care: technology evolution, algorithms and needs" in "IET HEALTHCARE TECHNOLOGIES SERIES 10" , IET The Institution of Engineering and Technology, 978-1-78561-211-4 (2017)
- Geurts Hélène, Haelewyck Marie-Claire, Valderrama Carlos, "Chapter 4: Ethics in information and communication technologies: training the elderly in making gerontechnology accessible" in "IET HEALTHCARE TECHNOLOGIES SERIES 10" , IET The Institution of Engineering and Technology, 978-1-78561-211-4 (2017)

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- Aileni Raluca Maria, Suci G., Valderrama Carlos, Pasca Sever, Strungaru Rodica, Martian A., "IoT Perspective by Data Anonymization for Wearable Medical Devices" in "Future Access Enablers for Ubiquitous and Intelligent Infrastructures" , 1, 5, Bucharest, Romania (2017)
- Patel Monal, Parmar Yogesh, Valderrama Carlos, "Evaluating synthesis tools for hardware implementation on ZYBO Board" in "International Conference on Computing Methodologies and Communication ICCMC" , Erode, India (2017)
- Aileni Raluca Maria, Strungaru Rodica, Pasca Sever, Valderrama Carlos, "Big data analytics for sensors signal processing in healthcare" in "Second NESUS Winter School & PhD Symposium" , 1, 4, Vibo Valentia, Italy (2017)

Autres publications

- Garcia Vazquez Hugo, Dualibe Fortunato, "Garcia Vazquez Hugo, Dualibe Fortunato, "Ultra-low power RF front-end powered by energy harvesting (POHAR projet, Final report, Numéro de convention : 1410164)" , 2017-12-30 (2017)" , 2017-12-30, Travail sans promoteur/Rapport de recherche (2017)
- [INCOMPLETE] - "Teste de referencias" , Article/Dans un journal avec peer-review (2017) (à publier)

Présentations (orale ou poster) sans abstract

- Dualibe Fortunato, "Wireless power transmission for sustainable electronics (WIPE): main contributions from the European Coperation in Sciences and Technologies (COST) action IC1301." in "Escuela Argentina de microelectronica, tecnologia y aplicaciones, EAMTA/CAMTA" , Buenos Aires, Argentina (2017)
- Valderrama Carlos, "4th Reconfigurable Market Seminar" in "MUSICS-FNRS Reconfigurable Market Seminar" , Mons, belgium (2017)

2016

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- Pop Florin, Ganchev Ivan, Valderrama Carlos, Below Kiril, Di Martino Benjamino, "Cloud Computing for Enhanced Living Environments" in IEEE Cloud Computing, 3, 6, 94, 24 (2016)
- Castagnola Juan Luis, Dualibe Fortunato, Garcia Vazquez Hugo, "Using Scattering Parameters and the gm/ID MOST Ratio for Characterisation and Design of RF Circuits" in IEEE International Midwest Symposium on Circuits and Systems (2016)
- Harb Naim, Pelaez Esteban, Valderrama Carlos, Girardi Alexandre, "FPGA Hardware in the Loop System for ERTMS-ETCS Train Equipment Testing" in "International Symposium on Industrial Embedded Systems" , Krakow, Poland (2016)

Chapitres d'ouvrages en tant qu'auteur

- Aileni Raluca Maria, Valderrama Carlos, Strungaru Rodica, "Chapter 10: Wearable Electronics for Elderly Health Monitoring and Active Living" in " Ambient Assisted Living and Enhanced Living Environments 1st Edition: Principles, Technologies and Control" , Elsevier, 9780128051955 (2016)

Editeurs invités

- Pop Florin, Ganchev Ivan, Valderrama Carlos, Belov Kiril, Di Martino Beniamino, "IEEE Cloud Computing 3(6) Special Issue: Cloud Computing for Enhanced Living Environments (Guest Editors)" , IEEE Computer Society Washington, DC, USA, Pop Florin, Ganchev Ivan, Valderrama Carlos, Belov Kiril, Di Martino Beniamino, 2325-6095 (2016)

Editeur de publications et d'ouvrages

- [INCOMPLETE] - "IEEE Cloud Computing Special Issue: Cloud Computing for Enhanced Living Environments" (2016)

Actes de congrès avec peer reviewing

- Aileni Raluca Maria, Valderrama Carlos, Pasca Sever, Strungaru Rodica, "Sympathetic skin response analysis using exosomatic method, biomedical sensors and clustering technique" in "RO-LCG Grid, Cloud, and High-Performance Computing in Science" , Bucharest-Magurele, Romania (2016)
- Aileni Raluca Maria, Valderrama Carlos, Pasca S., Strungaru R., "Skin conductance analyzing in function of the bio-signals monitored by biomedical sensors" in "ISFEE Fundamentals of Electrical Engineering, International Symposium on " , 1, 4, Bucharest, Romania (2016)
- Alves De Albuquerque Glauberto Leilson, Valderrama Carlos, Costa Silva Fabricio, Xavier De Souza Samuel, "Time-effective GPS Time Domain Signal Acquisition Algorithm" in "ICL-GNSS International Conference on Localization and GNSS" , 2, 6, Barcelona, Spain (2016)
- Popov Grigory, Dualibe Fortunato, Moeyaert Véronique, Ndungidi Papy, Garcia Vazquez Hugo, Valderrama Carlos, "A 65-nm CMOS battery-less temperature sensor node for RF-powered Wireless Sensor Networks" in "IEEE MTT-S Wireless Power Transfer Conference (WPTC-2016)" , Aveiro, Portugal (2016)
- Aileni Raluca Maria, Strungaru Rodica, Valderrama Carlos, "Data mining for autonomous wearable sensors used for elderly healthcare monitoring" in "NESUS Symposium on Sustainable Ultrascale Computing Systems " , 1, 37_39, Timisoara, Romania (2016)

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- [A VALIDER] - "Embedded System Laboratory - Theory and Practice" , Divers/Notes de cours (2016)
- Garcia Vazquez Hugo, Dualibe Fortunato, "Ultra-low power RF front-end powered by energy harvesting (POHAR projet, 2nd Annual report, Numéro de convention : 1410164)" , 2016-11-30, Travail sans promoteur/Rapport de recherche (2016)
- Aileni Raluca Maria, Valderrama Carlos, Pasca Sever, Strungaru Rodica, "Skin conductance analyzing in function of the bio-signals monitored by biomedical sensors" in Revue Roumaine de Sciences Techniques. Série Électrotechnique et Énergétique, Article/Compte-rendu (2016)
- Harb Naim, Valderrama Carlos, "Enabling Reconfigurable architectures to software applications" , 2016-01-07, Travail avec promoteur/Projet d'étudiant (2016)

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- Ymeraj A., Dualibe Fortunato, Garcia Vazquez Hugo, Sampietro M., "Design and simulation of an ultra low-voltage low-power step-down DC/DC converter in CMOS-65nm" in "9ème édition de la Matinée des Chercheurs 2016 (MdC2016)", Valenciennes, France (2016)
- Garcia Vazquez Hugo, Dualibe Fortunato, Ndongidi Papy, Popov Grigory, Ymeraj A., "Low-power RF front-end powered by energy harvesting" in "9ème édition de la Matinée des Chercheurs 2016 (MdC2016)", Valenciennes, France (2016)
- Ndongidi Papy, Garcia Vazquez Hugo, Popov Grigory, Dualibe Fortunato, Valderrama Carlos, "Multi-abstraction models for accelerating the design of RF systems" in "9ème édition de la Matinée des Chercheurs 2016 (MdC2016)", Valenciennes, France (2016)
- Garcia Vazquez Hugo, Dualibe Fortunato, "WSN node powered by energy harvesting" in "Deuxième Journée scientifique du Pôle hainuyer", Université du Travail, Charleroi, Belgique (2016)
- Harb Naim, Valderrama Carlos, "FPGA Hardware for Train Equipment Verification" in "Journée Thématique du GDR CNRS SoC SiP; Systèmes Embarqués pour les Transports de Demain", Valenciennes, France (2016)
- Harb Naim, Valderrama Carlos, "Reconfigurable Systems in Train Certification, a case study" in "5em Journée Thématique", Mons, Belgique (2016)

Interventions dans les médias

- Achour A., Agha Y., Auberger N., Babu-Bobbilo K., Barakat T., Bianco J., Bondar L., Bruneel D., Combe E., Deleplanque S., Derue L., El-Baroudi M., Fernandez Rodriguez José David, Garcia Vazquez Hugo, Fall P.A., Grodski M., Hamzaoui M., Harb Naim, Huang J.P., Hunt J., Ide Julien, Kremer E., Lasgorceix M., Le V.L., Libertiaux V., Mercier D., Nabi B., Ndour C., Ocando Cordero Connie, Pinho L., Rasquin M., Ratie L., Rattanatip J., Rescaglio A., Roblin M., Sreerangappa R., Toncheva Antoniya, Wagner J., Zhao Z., "Portraits de Chercheurs (BEWARE) Vol.1", Service public de Wallonie, Belgique (2016)

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- Garcia Vazquez Hugo, Khemchandani S., Pino J., "A RF front-end for DVB-SH based on current conveyors" in *Microelectronics Journal*, 46, 7, 581-587, 10.1016/j.mejo.2015.04.003 (2015)
- Ndongidi Papy, Garcia Vazquez Hugo, Dualibe Fortunato, Pino J., Valderrama Carlos, "Optimal distribution of RF receiver multistandard specification based on multiobjective optimization" in *Microwave and Optical Technology Letters*, 57, 10, 2262–2269, 10.1002/mop.29307 (2015)
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- Escobar Juzga Fernando, Chang Xin, Valderrama Carlos, "Suitability Analysis of FPGAs for Heterogeneous Platforms in HPC" in *IEEE Transactions on Parallel & Distributed Systems*, 27, 2, 600-612 (2015)

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- Ramos D., Khemchandani S., Garcia Vazquez Hugo, Pino J., "Different strategies to improve sensitivity and power of the wake-up receivers" in "1st URSI Atlantic Radio Science Conference (URSI AT-RASC)", Gran Canaria, Spain (2015)

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- C. C. Santos Cadu, A. L. M. Costa Delano, L. S. Júnior Valdir, R. F. Silva Brevik, L. Leite Deyvid, E. B. S. Júnior Carlos, A. Liberato Bruno, B. Nogueira Marcelo, D. Senna Marcia, S. Santiago Gutemberg, D. Dantas João. Batista, J. Alsina Pablo, Alves De Albuquerque Glauberto Leilson, "SCANNING ROCKET IMPACT AREA WITH AN UAV" in "22nd ESA Symposium on European Rocket and Balloon Programmes and Related Research", 978-92-9221-294-0, 221-226, Tromsø, Norvège, Colloque/Article dans les actes sans comité de lecture (2015)
- [INCOMPLETE] - "Time-effective GPS Time Domain Signal Acquisition Algorithm", Article/Compte-rendu (2015) (à publier)
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