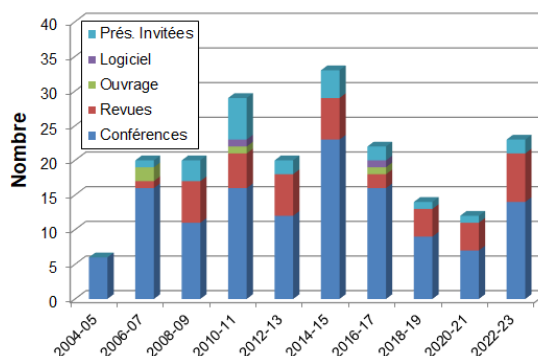


Liste des publications

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[CI55] L. Chusseau, R. Omarouayache, J. Raoult, S. Jarrix, P. Maurine, K. Tobichy, **A. Boyer**, B. Vrignon, J. Shepherd, T. H. Le, M. Berthier, L. Rivière, B. Robisson, A. L. Ribotta, " Electromagnetic Analysis, Deciphering and Reverse Engineering of Integrated Circuits (E-MATA HARI)", 22nd IFIP/IEEE International Conference on Very Large Scale Integration (VLSI-SoC 2014), October 6-8, 2014, Mexico.

2015

[CI56] **A. Boyer**, S. Ben Dhia, " Long-term Electromagnetic Robustness of Integrated Circuits, Challenge and Trends", MINAPAD 2015, April 21-23 2015, Grenoble, IMAPS.

[CI57] H. Huang, **A. Boyer**, S. Ben Dhia, B. Vrignon, "Prediction of Aging Impact on Electromagnetic Susceptibility of an Operational Amplifier", 2015 Asia-Pacific International Symposium on Electromagnetic Compatibility, May 25 – 29, 2015, Taipei.

[CI58] V. Tomasevic, **A. Boyer**, S. Ben Dhia, " Development of an On-Chip Sensor for Substrate Coupling Study in Smart Power Mixed ICs", 2015 Asia-Pacific International

Symposium on Electromagnetic Compatibility, May 25 – 29, 2015, Taipei.

[CI59] **A. Boyer**, B. Vrignon, J. Shepherd, M. Cavarroc, "Near-Field Injection at Die Level", 2015 Asia-Pacific International Symposium on Electromagnetic Compatibility, May 25 – 29, 2015, Taipei.

[CI60] V. Tomasevic, **A. Boyer**, S. Bendhia, A. Steinmar, B. Weiss, E. Seebacher, P. Rust, "Coupling Study in Smart Power Mixed ICs with a dedicated On-Chip sensor", EMC Europe 2015, August 2015, Dresden, Germany.

[CI61] H. Huang, **A. Boyer**, S. Ben Dhia, " Passive device degradation models for a electromagnetic emission robustness study of a buck DC-DC converter", EMC Europe 2015, August 2015, Dresden, Germany.

[CI62] H. Huang, **A. Boyer**, S. Ben Dhia, "Analysis and Modelling of Passive device degradation for a long-term electromagnetic emission study of a DC-DC converter", 26th European Symposium on Reliability of Electron Devices, Failure Physics and Analysis (ESREF 2015), Toulouse, France, Oct. 2015.

[CI63] H. Huang, **A. Boyer**, S. Ben Dhia, "Electronic counterfeit detection based on the measurement of electromagnetic fingerprint", 26th European Symposium on Reliability of Electron Devices, Failure Physics and Analysis (ESREF 2015), Toulouse, France, Oct. 2015.

[CI64] **A. Boyer**, M. Cavarroc, "Improvement of the Spatial Resolution of Near-Field Immunity Maps", EMC Compo 2015, Edimburgh, Scotland, November 2015.

[CI65] V. Tomasevic, **A. Boyer**, S. Ben Dhia, "Bandgap Failure Study Due to Parasitic Bipolar Substrate Coupling In Smart Power Mixed ICs", EMC Compo 2015, Edimburgh, Scotland, November 2015.

[CI66] E. Sicard, **A. Boyer**, P. Fernandez Lopez, A. Zhou, N. Marier, F. Lafon, "EMC performance analysis of a Processor/Memory System using PCB and Package-On-Package", EMC Compo 2015, Edimburgh, Scotland, November 2015.

[CI67] A. Ramanujan, E. Sicard, **A. Boyer**, J.L. Levant, C. Marot, F. Lafon, "Developing a Universal Exchange Format for Integrated Circuit Emission Model – Conducted Emissions", EMC Compo 2015, Edimburgh, Scotland, November 2015.

[CI68] E. Sicard, **A. Boyer**, " EMC modeling of Integrated Circuits using IC-EMC", EMC Compo 2015, Edimburgh, Scotland, November 2015.

2016

[CI69] **A. Boyer**, " Improving Spatial Resolution of Immunity Maps by Post-Processing", 2016 Asia-Pacific International Symposium on Electromagnetic Compatibility and Signal Integrity, May 18 – 21, 2016, Shenzhen.

[CI70] C. Ghfiri, **A. Boyer**, A. Durier, C. Marot, S. Ben Dhia, "Construction of an Integrated Circuit Emission Model of a FPGA", 2016 Asia-Pacific International Symposium on Electromagnetic Compatibility and Signal Integrity, May 18 – 21, 2016, Shenzhen. **Prix du meilleur papier étudiant.**

[CI71] S. Ben Dhia, **A. Boyer**, "A Review of Research on the Effect of Aging on the EMC of Integrated Circuits", 2016 Asia-Pacific International Symposium on Electromagnetic Compatibility and Signal Integrity, May 18 – 21, 2016, Shenzhen.

[CI72] **A. Boyer**, H. Huang, S. Ben Dhia, "Predicting the Risk of Non-Compliance to EMC Requirements During the Life-Cycle", 2016 Asia-Pacific International Symposium on Electromagnetic Compatibility and Signal Integrity, May 18 – 21, 2016, Shenzhen.

[CI73] A. Durier, **A. Boyer**, G. Duchamp, "A methodologic project to characterize and model COTS components EMC behavior after ageing", 2016 Asia-Pacific International Symposium on Electromagnetic Compatibility and Signal Integrity, May 18 – 21, 2016, Shenzhen.

2017

[CI74] **A. Boyer**, C. Ghfiri, M. Gonzalez Sentis, A. Durier, " Modeling methodology of the conducted emission of a DC-DC converter board", EMC Compo 2017, Saint Petersburg, Russia, July 2017.

[CI75] **A. Boyer**, C. Ghfiri, M. Gonzalez Sentis, A. Durier, " Study of the thermal aging effect on the conducted emission of a synchronous buck converter", EMC Compo 2017, Saint Petersburg, Russia, July 2017.

[CI76] C. Ghfiri, **A. Boyer**, A. Durier, S. Ben Dhia, C. Marot, "Methodology of modeling of the internal activity of a FPGA for conducted emission prediction purpose", EMC Compo 2017, Saint Petersburg, Russia, July 2017.

[CI77] S. Serpaud, **A. Boyer**, C. Ghfiri, A. Durier, "Proposal for combined conducted and radiated emission modeling for Integrated Circuit", EMC Compo 2017, Saint Petersburg, Russia, July 2017.

[CI78] N. Lacrampe, S. Serpaud, **A. Boyer**, S. Tran, " Radiated Suceptibility Investigation of Electronic Board from Near Field Scan Method", EMC Compo 2017, Saint Petersburg, Russia, July 2017.

[CI79] **A. Boyer**, C. Ghfiri, M. Gonzalez Sentis, A. Durier, " Study of the thermal aging effect on the conducted emission of a synchronous buck converter", EMC Europe 2017, Angers, France, September 2017.

[CI80] C. Ghfiri, **A. Boyer**, A. Durier, S. Ben Dhia, C. Marot, "Methodology of modeling of the internal activity of a FPGA for conducted emission prediction purpose", EMC Europe 2017, Angers, France, September 2017.

2018

[CI81] N. El Belghiti Alaoui, **A. Boyer**, P. Tousi, A. Viard, "New testing approach using near electromagnetic field probing intending to upgrade in-circuit testing in high density PCBAs", 27th IEEE North Atlantic Test Workshop, Essex, Vermont, USA, May 7-9, 2018. **Prix Significant Scientific Contribution.**

[CI82] C. Ghfiri, **A. Boyer**, A. Durier, S. Ben Dhia, C. Marot, "Modeling the internal activity of a FPGA for conducted emission prediction purpose", 2018 Joint IEEE EMC & APEMC Symposium, Singapour, May 14-17 2018.

[CI83] N. El Belghiti Alaoui, **A. Boyer**, P. Tounsi, A. Viard, " New defect detection approach using near electromagnetic field probing for high density PCBAs", 29th European Symposium on Reliability of Electron Devices, Failure Physics and Analysis (ESREF 2018), Aalborg, Denmark, 1-5 Oct. 2018.

2019

[CI84] N. El Belghiti Alaoui, P. Tounsi, **A. Boyer**, A. Viard, "Detecting PCB Assembly Defects using Infrared Thermal Signatures", 26th conference MIXDES, Rzeszow, Poland, 27-29 June 2019. **Prix Outstanding Paper Award.**

[CI85] **A. Boyer**, "A Rigorous Method to extrapolate Radiated Susceptibility from Near-Field Scan Immunity", EMC Europe 2019, 2-6 Sept 2019, Barcelona, Spain.

[CI86] S. Serpaud, **A. Boyer**, S. Ben Dhia, " Sequential adaptive sampling algorithm to reduce the near-field measurement time", EMC Europe 2019, 2-6 Sept 2019, Barcelona, Spain.

[CI87] N. El Belghiti Alaoui, A. Cassou, P. Tounsi, **A. Boyer**, A. Viard, " Using infrared thermal responses for PCBA production tests: Feasibility study ", 30th European Symposium on Reliability of Electron Devices, Failure Physics and Analysis (ESREF 2019), Aalborg, Denmark, 23-26 Sept. 2019.

[CI88] S. Serpaud, **A. Boyer**, S. Ben Dhia, "Optimized algorithm to reduce the near-field measurement time on FPGA device", 12th International Workshop on the Electromagnetic Compatibility of Integrated Circuits (EMC Compo 2019), Hangzhou, China, Oct. 21-23 2019.

[CI89] **A. Boyer**, E. Sicard, " A Case Study to apprehend RF Susceptibility of Operational Amplifiers", 12th International Workshop on the Electromagnetic Compatibility of Integrated Circuits (EMC Compo 2019), Hangzhou, China, Oct. 21-23 2019.

2020

[CI90] S. Chetouani, S. Serpaud, **A. Boyer**, S. Ben Dhia, « Fast and efficient approach to predict EMC immunity of complex equipment after a component change », EMC Europe 2020, 23-25 Sept 2020, Virtual Conference.

[CI91] **A. Boyer**, S. BenDhia, A. Durier, "A new Voltage Measurement Probe for investigating Radiated Immunity

Test”, EMC Europe 2020, 23-25 Sept 2020, Virtual Conference.

2021

[CI92] E. L. Lara, A. A. Constante, J. Benfica, F. Vargas, **A. Boyer**, S. Ben Dhia, A. Gleinser, G. Winkler, B. Deutschmann, “Preliminary Study on the Impact of Place and Route Strategy on FPGA Electromagnetic Emission”, 2021 Argentine Conference on Electronics (CAE), 2021, pp. 88-92, doi: 10.1109/CAE51562.2021.9397567.

[CI93] **A. Boyer**, N. Nolhier, F. Caignet, S. Ben Dhia, “Anticipating Common-Mode Conducted Emission of DC-DC Converter from Electric Near-Field Scan”, 2021 Joint IEEE International Symp. On EMC, SI & PI, and EMC Europe, August 2021, Virtual Conference.

[CI94] S. Chetouani, **A. Boyer**, S. BenDhia, S. Serpaud, A. Durier, « A Technique to Assess Conducted Immunity of an Electronic Equipment after an Obsolete Integrated Circuit Change », EMC Compo 2021 (reporté en 2022 cause Covid), 8-10 March 2022, Virtual Conference.

2022

[CI95] F. Ruffat, F. Caignet, **A. Boyer**, “Frequency model extraction to perform prediction of PCB systems exposed to Pulse perturbations”, accepted in 2022 International ESD Workshop (IEW), 3-6 May 2022, Taiwan, Virtual Conference.

[CI96] B. Guendouz, K. Abouda, **A. Boyer**, S. Ben Dhia, P. Perruchoud, “A Simple Analytical Approximation to evaluate Noise Levels and Maximum Coupling Frequencies During DPI Simulations on BMS IC”, Accepted in Asia Pacific International Symposium on Electromagnetic Compatibility, May 8-11 2022, Beijing, China, Virtual Conference.

[CI97] **A. Boyer**, N. Nolhier, F. Caignet, S. Ben Dhia, “Correlation between Near-Field Scan Immunity and Radiated Susceptibility at Integrated Circuit Level”, EMC Europe 2022, Sep 6-9 2022, Goteborg, Sweden.

[CI98] F. Ruffat, F. Caignet, **A. Boyer**, F. Escudie, G. Mejecaze, F. Puybaret, “A fast and efficient Model Extraction Method to predict the transient Response of ESD Protection Devices”, EMC Europe 2022, Sep 6-9 2022, Goteborg, Sweden.

[CI99] B. Guendouz, K. Abouda, **A. Boyer**, S. Ben Dhia, H. Mediouni, J. Dietsch, “A Comparative Study of DPI levels on BMS IC With an On-Hand Analytical Model to Predict Resonances”, EMC Europe 2022, Sep 6-9 2022, Goteborg, Sweden.

[CI100] A. Durier, S. Ben Dhia, **A. Boyer**, T. Dubois, “A new Investigation Methodology to predict Far Field Radiated Immunity from Near Field Scan Immunity Measurements”, EMC Europe 2022, Sep 6-9 2022, Goteborg, Sweden.

[CI101] F. Ruffat, F. Caignet, **A. Boyer**, F. Escudie, G. Mejecaze, F. Puybaret, “New Measurement Method to Investigated Service Life of Protection Networks exposed to ESD”, 33rd European Symposium on Reliability of Electron Devices Failure Physics and Analysis (ESREF2022), Sep 26-29 2022, Berlin, Germany.

2023

[CI102] B. Guendouz, K. Abouda, **A. Boyer**, S. Ben Dhia, O. Tico, J. Ruau, “Analytical Approach of the High Susceptibility Frequencies of a Battery Management System during Direct Power Injection”, IEEE Int. Symp. on Electromagnetic Compatibility, Signal & Power Integrity (EMC+SIPI 2023), July 2023, Grand Rapids, USA.

[CI103] **A. Boyer**, S. Serpaud, S. Ben Dhia, “In-Situ and Contactless Evaluation of Performance of Power Converter EMC Filter based on Near-Field Scan Measurement”, Int. Symp. and Exhibition on EMC, EMC Europe 2023, Sep. 2023, Krakow, Poland. **Prix du meilleur papier.**

[CI104] B. Guendouz, K. Abouda, **A. Boyer**, S. Ben Dhia, M. Aribreau, “Passive Cell Balancing Impact On Injection Levels During Direct Power injection on Battery Management System”, Int. Symp. and Exhibition on EMC, EMC Europe 2023, Sep. 2023, Krakow, Poland.

[CI105] S. Serpaud, **A. Boyer**, F. Coccetti, S. Ben Dhia, “Performance Charaterisation of the Decoupling Capacitor Network using the Near-Field Measurement”, Int. Symp. and Exhibition on EMC, EMC Europe 2023, Sep. 2023, Krakow, Poland. **Prix du meilleur papier étudiant.**

Conférences nationales

2005

[CN1] **A. Boyer**, S. Bendhia, J.L. Levant, M. Ramdani, B. Vrignon, « Modélisation d'un Boîtier TQFP144 par mesures et simulation », 4èmes JFMMA & TELECOM 2005, Rabat, Maroc, 23 - 25 mars 2005.

2006

[CN2] E. Sicard, **A. Boyer**, G. Peres, « Un Logiciel Dédié à la Prédiction du Comportement des Circuits Intégrés en Compatibilité Electromagnétique de 1 MHz à 5 GHz », CEM06, Saint-Malo, avril 2006.

[CN3] **A. Boyer**, E. Sicard, S. Bendhia, E. Lamoureux, « Immunité d'Inverseurs CMOS en Champ Proche », CEM06, Saint-Malo, avril 2006, pp. 323 – 324.

[CN4] **A. Boyer**, S. Bendhia, « Design d'un Agresseur Champ Proche dédié à l'Etude CEM des System-in-Package », JNRDM06 – Rennes – France – 10 -12 mai 2006.

2007

[CN5] **A. Boyer**, « Caractérisation et Modélisation de la Susceptibilité d'un Circuit Intégré par une Méthode de Scan Champ Proche », Journée l'école doctorale GEET, Toulouse, 8 mars 2007.

[CN6] L. Bouhouch, **A. Boyer**, « Amélioration des Performances CEM d'un Microcontrôleur à l'aide d'un Film de Matériau Ferromagnétique », 5èmes JFMMA & TELECOM 07, Fès, Maroc, 14 – 16 mars 2007.

[CN7] **A. Boyer**, S. Akue Boulingui, E. Sicard, S. Baffreau, « Méthodologie de Prédiction des Risques d'Interférences dans un Couplage Puce à Puce », 5èmes JFMMA & TELECOM 07, Fès, Maroc, 14 – 16 mars 2007.

[CN8] E. Sicard, S. Baffreau, S. A. Boulingui, **A. Boyer**, « System-In-Package Integration of Third-Generation Mobile Phones: Some EMC Challenges », 2EMC 2007, Rouen, France, 18 – 19 octobre 2007.

2008

[CN9] S. Ben Dhia, A. C. Ndoye, **A. Boyer**, L. Guillot, B. Vrignon, « Dérives du Spectre d'Emission d'un composant Mixte après Vieillesse Accélééré », CEM08, 20 – 23 mai 2008, Paris, France.

2009

[CN10] A. C. Ndoye, **A. Boyer**, E. Sicard, S. Serpaud, F. Lafon, « Une plateforme collaborative de service en modélisation CEM des Composants », Telecom 2009, Agadir, 11-13 Mars 2009.

2010

[CN11] E. Sicard, **A. Boyer**, « IC-EMC: A Dedicated environment for predicting electromagnetic compatibility of integrated circuits », 2EMC 2010, Rouen, 18 – 19 Novembre 2010.

[CN12] E. Sicard, **A. Boyer**, « Une approche éducative de la compatibilité électromagnétique des circuits intégrés », JPCNFM 2010, 22 – 24 Novembre 2010, Saint Malo.

2012

[CN13] E. Sicard, **A. Boyer**, « Retour d'expérience d'une formation Eurodots en compatibilité électromagnétique des circuits intégrés », JPCNFM 2012, 28-30 novembre 2012, Saint Malo.

2014

[CN14] V. Tomasevic, **A. Boyer**, S. Ben Dhia, « Développement d'un capteur sur puce afin d'étudier le couplage parasite dans les circuits intégrés de type "Smart Power" », 17e Colloque International et Exposition sur la Compatibilité Electromagnétique CEM2014, Clermont-Ferrand, 1-3 juillet 2014.

[CN15] H. Huang, **A. Boyer**, S. Ben Dhia, « Impact du vieillissement thermique sur l'émission d'un convertisseur Buck », 17e Colloque International et

Exposition sur la Compatibilité Electromagnétique CEM2014, Clermont-Ferrand, 1-3 juillet 2014.

2015

[CN16] E. Sicard, **A. Boyer**, « IC-EMC - Simulation of Electromagnetic Compatibility of Integrated Circuits », Salon Microwave & RF 2015, Paris.

2016

[CN17] C. Ghfiri, **A. Boyer**, A. Durier, S. Ben Dhia, « Construction d'un modèle ICEM pour prédire l'émission électromagnétique d'un FPGA », 18e Colloque International et Exposition sur la Compatibilité Electromagnétique CEM2016, Rennes, 11-13 juillet 2016.

[CN18] **A. Boyer**, « Amélioration de la résolution spatiale de scan champ proche en injection », 18e Colloque International et Exposition sur la Compatibilité Electromagnétique CEM2016, Rennes, 11-13 juillet 2016.

[CN19] **A. Boyer**, « Caractérisation et modélisation de l'effet du vieillissement sur l'intégrité de signal d'un buffer d'horloge utilisé dans un calculateur aéronautique », ANADEF 2016, Toulouse.

2021

[CN20] **A. Boyer**, A. Durier, S. Ben Dhia, « Une nouvelle sonde de mesure de tension induite pour l'investigation en immunité rayonnée », 20e Colloque International et Exposition sur la Compatibilité Electromagnétique CEM2021, Lyon, Virtuel, 13-15 avril 2021.

[CN21] S. Chetouani, **A. Boyer**, S. Ben Dhia, S. Serpaud, « Application des méthodes de mesures indirectes de paramètres " S " en vue de la gestion de l'obsolescence des composants en immunité conduite », 20e Colloque International et Exposition sur la Compatibilité Electromagnétique CEM2021, Lyon, Virtuel, 13-15 avril 2021.

2023

[CN22] **A. Boyer**, F. Caignet, « Méthode de Pré-Scan pour accélérer les Temps de Mesure du Scan Champ Proche en Immunité », 21ème Colloque International et Exposition sur la Compatibilité ElectroMagnétique (CEM 2023), Juin 2023, Toulouse, France.

[CN23] B. Guendouz, K. Abouda, **A. Boyer**, S. Ben Dhia, H. Mediouni, J. Dietsch, « Une Etude comparative des Niveaux DPI sur un CI BMS avec un Modèle Analytique des Résonances », 21ème Colloque International et Exposition sur la Compatibilité ElectroMagnétique (CEM 2023), Juin 2023, Toulouse, France.

[CN24] F. Ruffat, F. Caignet, **A. Boyer**, G. Mejecaze, F. Escudie, F. Puybaret, « Méthode d'Extraction rapide et efficace d'un Modèle de Proection ESD face à un Phénomènes Transitoires Rapides », 21ème Colloque International et Exposition sur la Compatibilité ElectroMagnétique (CEM 2023), Juin 2023, Toulouse, France.

Présentations invitées & Workshops

2007

[PIW1] S. Ben Dhia, **A. Boyer**, « Electromagnetic compatibility of integrated circuits ». One day tutorial, Feng Chia University (FCU), July 16th, 2007, Taiwan.

2008

[PIW2] **A. Boyer**, S. Ben Dhia, « Fiabilité des circuits intégrés face aux agressions électromagnétiques », ANADEF 2008, Port d'Albret, France

[PIW3] **A. Boyer**, S. Ben Dhia, A. C. Ndoye, "EMC/EMI Issues for DSM: New Challenges", Workshop on Long Term Reliability in DSM, Noordwijk (Netherland), October 3rd, 2008.

2009

[PIW4] S. Ben Dhia, **A. Boyer**, "Still EMC Compliant?", Workshop on Long Term Reliability in DSM, Arcachon, October 9th, 2009.

2010

[PIW5] **A. Boyer**, "Introduction to the modeling and simulation of electromagnetic compatibility of integrated circuits", Tutorial, 2010 Asia-Pacific International Symposium on Electromagnetic Compatibility, April 12th, 2010, Beijing, China.

[PIW6] **A. Boyer**, « Résultats du projet R&T CNES : CEM et vieillissement des composants », CCT MCE, Tutorial Décharges Electrostatiques (ESD) : du composant au système, Toulouse, 15 décembre 2010.

2011

[PIW7] **A. Boyer**, S. Ben Dhia, "Initiation to the modeling and simulation of susceptibility of integrated circuits to electromagnetic interferences", Tutorial, 2011 Asia-Pacific International Symposium on Electromagnetic Compatibility, May 16th, 2011, Jeju Island, Korea.

[PIW8] S. Ben Dhia, **A. Boyer**, "La CEM des Circuits Intégrés", Présentation invitée à l'école d'été du GT6 (CEM) du GDR Ondes, ENS Cachan, 30 août au 2 septembre 2011.

[PIW9] **A. Boyer**, E. Sicard, « IC Immunity Modeling », Tutorial, 2011, EMC Compo 2011, November 6th 2011, Dubrovnik, Croatia.

[PIW10] **A. Boyer**, « Scan champ proche pour l'injection localisée de perturbations – Robustesse électromagnétique », Workshop E-SAFE, LAAS-CNRS, 8 décembre 2011, Toulouse, France.

2012

[PIW11] **A. Boyer**, « Scan champ proche pour l'injection localisée de perturbations pour l'analyse de l'immunité des circuits intégrés », Séminaire CEM – Aide à la conception d'équipements électroniques – NEXIO, LAAS-CNRS, Toulouse, 4 avril 2012.

[PIW12] **A. Boyer**, « Investigation de l'immunité des circuits intégrés par la méthode DPI », Séminaire CEM – Ingénierie d'essais – NEXIO, LAAS-CNRS, Toulouse, 13 novembre 2012.

2014

[PIW13] **A. Boyer**, « Fiabilité électromagnétique des COMPOSANTS NUMERIQUES ET systèmes électroniques à long terme », DAS SE2L, Journée Thématique « Evolutions technologiques dans le domaine de l'électronique numérique (composants), impacts vis-à-vis des applications embarquées » - 18 septembre 2014 - Toulouse.

[PIW14] L. Chusseau, **A. Boyer**, B. Vrignon, J. Shepherd, « E-Mata-Hari Project », Freescale Fritech, 4 décembre 2014.

2015

[PIW15] **A. Boyer**, B. Vrignon, "Couplage Electromagnétique sur Circuits Intégrés », Journée champ proche, GDR Ondes, LAAS-CNRS, 19 juin 2015.

[PIW16] **A. Boyer**, "Analysis and modelling of passive device degradation for a long-term electromagnetic emission study of a DC-DC converter", EMC Compo 2015, Edimburgh, Scotland, November 2015.

2016

[PIW17] **A. Boyer**, "Détection de circuits intégrés contrefaits par mesure de l'empreinte électromagnétique", CCT MCE, Obsolescence des composants électroniques Actions et Réactions, Toulouse, 23 juin 2016.

2017

[PIW18] **A. Boyer**, "Learning EMC of ICs with IC-EMC", EMC Europe 2017, Angers, France, September 2017.

2018

[PIW19] **A. Boyer**, "Predict long-term evolution of EMC of ICs", NXP EMC Workshop, 23 mai 2018.

2021

[PIW20] F. Ruffat, F. Caignet, **A. Boyer**, « Modèle fréquentiel pour la modélisation des protections non linéaires des systèmes électroniques visant à prédire l'impact d'agressions transitoires de forte puissance », 8e Journées d'études Electromagnétisme et Guerre Electronique (EMGE), Toulouse, France, 14 et 15 décembre 2021 (reporté en juin 2022 cause Covid).

2023

[PIW21] **A. Boyer**, « Basis of modeling of electronic components for EMC simulation », Invited presentation at TU Graz, Austria, 29 mars 2023.

[PIW22] **A. Boyer**, « Modélisation des composants pour la simulation de la CEM », Séminaire de Formation en CEM GDR Ondes/Chapitre IEEE EMC France, Toulouse, 12 juin 2023.

Logiciels

[LO1] IC-EMC, a freeware dedicated to electromagnetic compatibility of integrated circuits. Version 2.5, 2011, www.ic-emc.org.

[LO2] IC-EMC, a freeware dedicated to electromagnetic compatibility of integrated circuits. Version 2.9, 2017, www.ic-emc.org.