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APPOINTMENTS	2015 - now Assistant Professor of Electrical Engineering at the Federal University of Santa Catarina, Campus Joinville, Brazil	
DEGREES	2010 - 2013 (Joint) Ph.D. in Electrical Engineering, Ecole Centrale de Lyon and Federal University of Minas Gerais 2004 - 2010 Diploma of Electrical Engineer, Federal University of Minas Gerais	
GRANTS	2018 AUGM grant, Escala Docente program 2017 MITACS post-doctoral grant 2017 CNPq post-doctoral grant 2016 AUGM grant, Escala Docente program 2016 LIA Maxwell grant, Laboratoire International Ampère - Maxwell 2016 Research Mobility Support - Newton Fund 2015 Support for International Collaboration - Innovation and Research Brazil-Sweden (CISB) 2008 Arcelor Mittal - Convênio Santos Dumont 2008 Baden-Württemberg Stipendium	
EXPERIENCE	2019 Visiting researcher at Universidad de la Republica, Montevideo, Uruguay 2018 Post-doctoral researcher at Université Laval, Québec, Canada 2017 Visiting researcher at Universidad de Santiago de Chile, Chile 2015 Instructor of Electromagnetic Compatibility at the company EMC Fastpass, Canada 2015 Visiting researcher at Linköping University, Sweden 2013 Visiting researcher at Bauman Moscow State Technical University, Russia 2011 Electromagnetic Compatibility Summer school in ENS Cachan, France 2010 Visiting research student at Laboratoire Ampère, France 2008 Exchange student in Hochschule Ulm, Germany 2008 Summer internship in the company RARIK, Iceland 2007 Research internship at Evolution Computing Lab, UFMG, Brazil	
PUBLICATIONS	8 - <b>Ferber, M.</b> ; Korniienko, A.; Löfberg, J.; Morel, F.; Scorletti, G.; Vollaire, C., "Power Efficiency and EMI Attenuation Optimization in Filter Design," in IEEE Transactions on Electromagnetic Compatibility, vol.60, iss.6, pp.1-8, 2017.  7 - <b>Ferber, M.</b> ; Korniienko, A.; Löfberg, J.; Morel, F.; Scorletti, G.; Vollaire, C., "Efficient Worst-case Analysis of Electronic Networks in Intervals of Frequency," in International Journal of Numerical Modelling (Print), 2017.  6 - <b>Ferber, M.</b> ; Korniienko, A.; Scorletti, G.; Vollaire, C.; Morel, F.; Krähenbühl, L., "Systematic LFT Derivation of Uncertain Electrical Circuits for the Worst-Case Tolerance Analysis," in IEEE Transactions on Electromagnetic Compatibility, vol.57, iss.5, pp.937-946, 2015.  5 - <b>Ferber, M.</b> ; Vollaire, C.; Krähenbühl, L.; Vasconcelos, J. A., "Adaptive Unscented Transform for Uncertainty Quantification in EMC Large-Scale Systems," <i>Compel (Bradford)</i> , vol.33, iss.3, pp.914-926, 2014.	

4 - **Ferber, M.**; Vollaire, C.; Krähenbühl, L.; Coulomb, J.-L.; Vasconcelos, J. A., "Conducted EMI of DC–DC Converters With Parametric Uncertainties," in *IEEE Transactions on Electromagnetic Compatibility (Print)*, vol.55, iss.4, p.699-706, 2013.

3 - **Ferber, M.**; Vollaire, C.; Krähenbühl, L.; Vasconcelos, J. A., "Uncertainty Analysis of the Conducted Interferences in a Power Converter," in *Journal of Microwaves, Optoelectronics and Electromagnetic Applications*, vol.12, iss.2, p.454-465, 2013.

2 - **Ferber, M.**; Zangui, S.; Sartori, C.; Vollaire, C.; Perrussel, R.; Krähenbühl, L., "Evaluation of the Inductive Coupling between Equivalent Emission Sources of Components," in *International Journal of Antennas and Propagation (Print)*, v.2012, iss.1, p.1-7, 2012.

1 - Zangui, S.; Berger, K.; **Ferber, M.**; Vincent, B.; Perrussel, R.; Clavel, E.; Sartori, C. A. F.; Vollaire, C., "Using Equivalent Emission Sources to Evaluate the Coupling Between Components," in *IEEE Transactions on Magnetics*, vol.48, iss.2, p.439-442, 2012.

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Ferber, M.; Mrad, R.; Morel, F.; Vollaire, C.; Pillonnet, G.; Nagari, A.; Vasconcelos, J. A., "Discrete Optimization of EMI Filter Using a Genetic Algorithm," in *International Symposium on Electromagnetic Compatibility, Tokyo*, 2014.

Ferreira, D. W.; Ferber, M.; Lebensztajn, L.; Muller, R. B.; Krähenbühl, L.; Morel, F.; Vollaire, C., "Analysis on Methods to obtain Lumped Parameters for an Inductive Coupling Device," in *19th Compumag Conference, Budapest*, 2013.

Rondon, E.; Morel, F.; Vollaire, C.; Ferber, M.; Schanen, J.-L., "Conducted EMC Prediction for a Power Converter with SiC Components," in *Asia-Pacific Symposium on Electromagnetic Compatibility, Singapore*, 2012.

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Sartori, C. A. F.; Zangui, S.; Ferber, M.; Vincent, B.; Perrussel, R.; Vollaire, C.; Krähenbühl, L., "Calibration Methods for a Large Loop Antenna Measurement System," in *Proceedings of the 18th Conference on the Computation of Electromagnetic Fields, Sydney*, 2011.

REFERENCES

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