

You are here: [Home](#) » [People](#) » [Mattia Borgarino](#)

MATTIA BORGARINO - HOME PAGE



MATTIA BORGARINO

Associate Professor of Electronics

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Biography

Mattia Borgarino was born in Parma, Italy, in 1968. He received the Laurea degree in electronics engineering and Ph.D. degree in Information Technology from the University of Parma, Parma, Italy, in 1993 and 1999, respectively.

From 1998 to 2000, he was Post-Doctoral Fellow at the Laboratoire d'Analyse et Architecture des Systems, Centre National de la Recherche Scientifique (LAAS-CNRS), Toulouse, France.

In 2000, he joined the University of Modena and Reggio Emilia, Modena, Italy, where he is Associate Professor.

Research Interests

His current main research interests cover the design of Si-based RFICs and the LF noise in microwave transistors. More details can be found at <http://www.dii.unimore.it/wiki/index.php/MeMiTec>

Publications >>>> updated list of publications

Collaborations

Companies: [Ewings \(I\)](#), [ST Microelectronics \(I\)](#), [DDS Elettronica \(I\)](#), [Alpha Progetti \(I\)](#), [Microdetectors\(I\)](#), [Philips \(NL\)](#), [Entropic Communications \(Fr\)](#)

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Research centers and foreign Universities: LAAS CNRS (F), IMS Lab University of Bordeaux (F), LEAT Lab University of Nice (F).

Italian Universities: Parma, Pavia, Pisa, Perugia, Bologna

Awards

He was co-recipient of the followings Awards:

Best Poster Award: D. Dermit, F.Ducati, D.Balsamo, P.Lucchi, M.Borgarino, G.Jacquemod, A 130nm CMOS Tunable Digital Frequency Divider for Dual-Band Microwave Radiometer, IEEE International Conference on Electronics, Circuits and Systems, 2009, pp- 203-206.

Student Scholarship Award: E.Monaco, M.Borgarino, F.Svelto, A.Mazzanti, A 5.2mW Ku-Band CMOS Injection-Locked frequency Doubler with Differential Input/Output, IEEE Custom Integrated Circuits Conference, San Jose (CA), USA, 13-16 September 2009, pp. 61-64.

Best University Poster Award: F.Chiesi, D.Dermit, P.Lucchi, M.Borgarino, G.Jacquemod, 15GHz Dual-modulus 130nm CMOS Digital Frequency Divider, SAME 2009, Sophia Antipolis (France), pp. 21-22 September 2009.

Micro- and Nano- Electronics Group

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Mattia Borgarino was born in Parma, Italy, in 1968. He received the Laurea degree in electronics engineering and Ph.D. degree in Information Technology from the University of Parma, Parma, Italy, in 1993 and 1999, respectively. The Laurea degree was realized in the frame of an Erasmusm programm in collaboration between the Consiglio Nazionale delle Ricerche (CNR), Parma, Italy and the Technische Hochschule Darmstadt, Darmstadt, Germany. The Ph.D. research activities were mainly carried out in collaboration the Laboratoire d'Analyse et Architecture des Systems, Centre National de la Recherche Scientifique (LAAS-CNRS), Toulouse, France, where, from 1998 to 2000, he was Post-Doctoral Fellow. In 2000, he joined the University of Modena and Reggio Emilia, Modena, Italy, where he is Associate Professor. In 2011 he was Invited Professor at the University Paul Sabatier, Toulouse, France. In 2014 he was Invited Professor at the University of Bordeaux, Bordeaux, France.

Mattia Borgarino was scientific tutor of several PhD thesis in the field of radio frequency integrated circuits. In 2016 he was external examiner of two PhD. Thesis on microelectronics for the Nanyang Technological University of Singapore.

He is currently participate to the tutoring of a doctoral thesis in collaboration with the University of Bordeaux (Bordeaux, France), where the research subject is the design and implementation of an harvested ultra-low power integrated platform for sensor applications.

Mattia Borgarino is reviewer for numerous scientific journals such as IEEE Transactions on Device and Material Reliability, IEEE Electron Device Letters, IEEE Journal of Solid-State Circuits, IEE Electronics Letters, IOP Semiconductor Science and Technology, Microelectronics Journal (Elsevier), IEEE Transactions on Circuits and Systems, IEEE Transactions on Very Large Scale Integration Systems, International Journal of Microwave Technology, Microelectronics Reliability (Elsevier) appearing in the IEEE Golden List of Reviewers in 2005 and 2006. From 2010 he is an Editorial board member for the "International Journal of Microwave Science and Technology". Mattia Borgarino has been also reviewer for the IEEE NEWCAS conference and for the IEEE ISCAS conference. Mattia Borgarino was external reviewer for the Agence National de la Recherche (ANR) (Paris, France) for which he has reviewed French national projects RNRT (Réseau National de Recherche en Télécommunications) in 2007 and JCJC (Jeunes et Jeunes Chercheuses chercheurs) in 2008.

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