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GUEST EDITORIAL

EuMW 2015 Special Issue

DENIS BARATAUD, ÉRIC TOURNIER AND MICHÈLE LALANDE

This Special Issue of the International Journal of Microwave and Wireless Technology comprises expanded versions of selected papers from the European Microwave Week 2015 (EuMW, **2015**). The EuMW, an event organized under the authority of the European Microwave Association (EuMA) since 1998, was held in Paris, France, from September 6 to September 11 2015. It consisted of three conferences plus an exhibition. The conferences were the European Microwave Conference (EuMC), the European Microwave Integrated Circuits Conference (EuMIC), and the European Radar Conference (EuRAD). Within a week, the latest technical developments in the microwave field and related topics were presented making this the premier microwave event in Europe. More than 1380 delegates attended EuMW 2015 and a total of 554 papers were presented in oral and poster sessions. The papers underwent, as usual, a rigorous review process, with papers receiving, on average, seven individual scores provided by the Reviewers Panel comprising more than 477 reviewers. The Technical Programme Committee, with nearly 103 members in 31 subcommittees, then met in March 2015 to discuss each paper and finally select papers for the oral and interactive poster sessions.

This special issue of the International Journal of Microwave and Wireless Technology on EuMW 2015 covers many topics from device characterization, wide bandgap HEMTs, transceivers, power amplifiers, antennas, radar components and systems and advanced signal processing techniques. This provides some of the highlights of the very broad technical programme. Authors of the papers with the highest scores in the various topics were invited to submit updated and expanded versions of their conference papers. These expanded papers were then subjected to a further review process by the Editorial Board of this journal. The accepted papers were then collected to form the issue you now have in your hands. As Associate Editors, we would like to thank the authors for their contributions and also the reviewers, whose extensive comments on the papers have contributed substantially to the quality of the final papers presented in this Special Issue.

We hope that you enjoy reading this issue, confident that the high standard of the papers will help strengthen EuMW's reputation as the leading microwave event in Europe.

Denis Barataud was born in Saint-Junien, France. He received the engineer's degree from the Ecole Nationale Supérieure de Télécommunications de Bretagne, Brest, France, in1994, and the Ph.D. degree in Electronics from the University of Limoges, Limoges, France, in 1998. From 1998 to 1999, he was a Postdoctoral Scientist with the Microwave Laboratory, CNES, Toulouse, France. Since 2000, he has been with the XLIM Laboratory, University of Limoges, where in 2001 he became an Assistant Professor and was promoted to a Full Professor in 2012. His research interests include the development of time-domain measurement set-ups and techniques for the characterization of non-linear devices and the power amplifier optimization design. Professor Barataud is Member of the Institute of Electrical and Electronics Engineers (IEEE). He was the Technical Program Chair of the European Microwave Conference (EuMC) in 2015. He is a member of the Technical Program Review Committee of the European Radar Conference (EuMC) since 2014 and the French representative member (Group 1) of the EuMA General Assembly from 2016 to 2018.

Professor Barataud authored or coauthored more than 130 scientific papers, 2 of them published in international journals.

Éric Tournier received the Engineer degree and the Ph.D. degree both from the Institut National des Sciences Appliquées, Toulouse, France, in 1993 and 1998 respectively. Since September 1998, he has been an associate professor of electrical engineering at the university of Toulouse, and a researcher at the Laboratoire d'Analyse et d'Architecture des Systémes (LAAS) of the National Center for Scientific Research (CNRS), where he is the head of the "Microwaves and Opto-microwaves for Telecommunication Systems" team. He has worked on analog, digital and smart-power integrated circuits design, and is now involved in telecommunication, aerospace and aeronautic MMIC design on silicon technologies, with extensive collaboration with ST Microelectronics, National Centre of Space Research (CNES), and Thalès Alenia Space. He currently works mainly on high speed digital designs for frequency synthesis (Phase-Locked Loop, Direct Digital Synthesis, . . .) and on low-noise frequency division applied to Compact Opto-Electronic Oscillator. He has participated to many Technical Program Committee (TPC), as a simple reviewer (NEWCAS 2010-2014, ICECS 2008, ISCAS 2015) as well as a member (NEWCAS 2009, ECCTD 2011 & 2013, EuMW 2014-2016). He was also the TPC chair of EuMIC 2015 conference. He authored or coauthored three patents, three book chapters and dozens of publications in international conferences and journals, and is a regular reviewer of international journals (*IEEE Transactions on Circuits and Systems, IEEE Microwave and Wireless Components Letters, IEEE Transactions on Ultrasonics Ferroelectrics and Frequency Control, IEEE Journal of Solid State Circuits, IET Electronics Letters, Journal of Instrumentation*).

Michèle Lalande was born in Noth (France) on 3th of February 1962. She received the Ph.D. degree in electronics from the University of Limoges, France, in 1986.

She is currently a Professor with the University of Limoges and a Member of XLIM Research Institute, University of Limoges/National Center For Scientific Research (CNRS), Brive, France.

Her main research interests include the area of antennas and transient measurement applications and ultrawideband metrology for various applications: radar and HPMs.

Professor Lalande is Member of the Institute of Electrical and Electronics Engineers (IEEE).

She was secretary of the European Microwave Week in 2005 and the Technical Program Chair of the European Radar Conference (EuRAD) in 2015. She is a member of the Technical Program Review Committee of the the European Radar Conference (EuRAD) since 2009.

Professor Lalande authored or coauthored more than 160 scientific papers, 40 of them published in international journals.

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