

GUEST EDITORIAL

International Journal of Microwave and Wireless Technology *Special Issue on European Microwave Week 2010*

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This Special Issue of the *International Journal of Microwave and Wireless Technology* is comprised of expanded papers from the European Microwave Week 2010 (EuMW 2010). The EuMW, an event organized under the authority of the European Microwave Association (EuMA) since 1998, was held in Paris, France, from September 26 to October 1, 2010. It consisted of four conferences plus an exhibition. The conferences were the European Microwave Conference (EuMC), the European Microwave Integrated Circuits Conference (EuMIC), the European Conference on Wireless Technology (EuWiT), and the European Radar Conference (EuRAD). In the space of a week, the latest technical developments in microwave field and associated related topics were disclosed and described in a forum with no equal in Europe. More than 1600 delegates with over 2000 registrations attended the EuMW 2010.

Among one of the highest paper submission in the history of EuMW was recorded: over 1250 papers distributed among EuMC (836), EuRAD (177), EuMIC (141), and EuWiT (96) were submitted from 65 countries. The papers underwent, as usual, a rigorous review process, directed by the Program Coordinator Prof. Dimitris Pavlidis assisted by 327 reviewers who oversaw 32 technical program subcommittees. The subcommittees then met in April 2010 to discuss each paper

and finally selected 444 papers (which represent 35.5% of the total submissions) for oral presentation and 222 papers for poster presentation. Accepted papers were then assigned to sessions and tracks.

This special issue of the *International Journal of Microwave and Wireless Technology* on EuMW 2010 covers many topics from material characterization, antennas, wide bandgap HEMTs, power amplifiers, radar and related techniques and others, providing you some highlights of the technical program. Authors of the papers with the highest scores in the various topics were invited to submit updated and expanded versions of their conference papers. The expanded papers were subject 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 reviewers, and the chief-editors of this journal who contributed in putting together this issue. We trust this overview of the EuMW 2010 will stimulate new ideas to “better connecting the world”.



François Danneville is a Professor at University of Lille. His research is carried out at Institut d'Electronique, de Microélectronique et de Nanotechnologie (IEMN), where he leads the “Advanced Nanometer Devices” (ANODE) research group. His research is oriented toward low-power and low-noise advanced silicon devices and circuits for their use in millimetric wave range. He also takes interest to RF and noise properties of III–V narrow bandgap channel-based HEMTs and MOS-FETs for ultralow-power applications. He is the co-author of more than 100 international journal and conference papers. From 2005 to 2007, he has been the Chair of IEEE MTT-S “Microwave Low-Noise Techniques” Technical Committee, and he is TPC member of IEEE International Microwave Symposium since 2007.

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Eric Rius is a Professor at the University of Brest. His research interests concern the design of microwave filters and associated RF modules for microwave and millimeter wave applications. In the Lab-STICC, he leads the team of microwave filters. He is the co-author, of about 190 papers. He is the coordinator of the ANR project RF-IDROFIL, dedicated to the design of

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and FILters. He is also the co-founders of the spin-off, Elliptika, which works on the design, of custom microwave filters (space, defence, etc.). In 2010, he was the TPC Chair of the 40th edition of the European Microwave Conference.