

IEEE Microwave Magazine Best Paper Award

Alessandro Cidronali, Stefano Maddio, Marco Passafiume, and Gianfranco Manes, for their paper titled “Car Talk: Technologies for Vehicle-to-Roadside Communications.”

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Alessandro Cidronali

Alessandro Cidronali is an Associate Professor with the Department of Information Engineering, University of Florence, where he teaches courses on electron devices and integrated microwave circuits. His research activities concern the design of broadband microwave integrated circuits, and the development of CAD modeling for microwave devices and circuits. From 1999 to 2003, he was a Visiting Researcher with the Motorola Physics Science Research Laboratory. From 2002 to 2005, he was a Guest Researcher with the Non-Linear Device Characterization Group, National Institute of Standards and Technology (NIST). From 2004 to 2006, he was an Associate Editor for *IEEE Transactions on Microwave Theory and Techniques*. Currently he is member of TC-20 Wireless Communications and TC-27 Vehicular Technologies and Communications.



Gianfranco Manes

Gianfranco Manes (M'01–SM'02) is currently a Full Professor in the Electronics and Telecommunication Department, University of Florence, Florence, Italy. He is active in the field of microwave engineering and wireless technology, including wireless sensor networks. He is the founder and Head of the MIDRA Consortium, a joint venture between the University of Florence Autostrade Tech SpA and Motorola SpA and the Head of the Research Centre for ICT for Environment Quality and Safety, taking scientific responsibility for leading both national and international research projects. He has authored or co-authored over 150 papers published in books, society journals, and referenced international conferences.

Prof. Manes was a Technical Program Committee (TPC) member and session chairman from 2002 to 2005 for the IEEE MTT-S International Microwave Symposium (IMS).

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Stefano Maddio

Stefano Maddio was born in Florence, Italy, in 1978. He received the Laurea and Ph.D. degrees in electronics engineering from the University of Florence, in 2005 and 2009, respectively.

He joined the Department of Information Engineering, University of Florence, as a Research Associate in the field of electromagnetic analysis and design.

His current research interests include the design of smart antennas for wireless applications with an emphasis on the topic of wireless localization and special-purpose antenna systems for dedicated short-range communications.

He is also involved in developing systems for signal manipulation at front-end level with a emphasis on active and passive filtering and signal manipulation at microwave frequency.

Marco Passafiume

Marco Passafiume was born in Italy in 1987. He received the Laurea degree in Electronic Engineering (cum laude) in 2012, and the PhD at Department of Information Engineering, University of Florence, in 2016. Currently, he is working in the Microelectronics and HF research group.

His research activities covers developing of digital systems for communication (also working with private institutes, like Autostrade Tech., developing infomobility systems), highly integrated SoC/ SiP and human interface devices. Currently, he is studying new development technologies based on FPGA and SDRs. His scientific interests also cover data elaboration methodologies, with particular attention to algorithmic development.

