

## EDITORIAL

# Editorial

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This Special Issue of the International Journal of Microwave and Wireless Technology comprises expanded versions of selected papers from the European Microwave Week 2016 (EuMW 2016). The EuMW, an event organized under the authority of the European Microwave Association (EuMA) since 1998, was held in London from October 3<sup>rd</sup> to 7<sup>th</sup> 2016. 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).

More than 1200 delegates attended the week and a total of 593 papers were presented in oral and poster sessions. The papers underwent, as usual, a rigorous review process, with papers receiving, on average, six individual scores provided by the Reviewers Panel comprising more than 477 reviewers. The Technical Programme Committee, then made final selections of papers for the oral and interactive poster sessions and 59% of submitted papers submitted were accepted.

This special issue on EuMW 2016 covers many topics from Ultra wideband Amplifiers, to 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.



2016 chair he was workshops chair for EuMW 2006 and

**Ian Hunter** is Professor of Microwave Signal Processing at the University of Leeds, West Yorkshire, UK. His main technical interest is RF and Microwave Filters and his work in this area has been funded since 2011 by the UK Royal Academy of Engineering and Radio Design Ltd. As well as EuMC

General Chair of EuMW 2011, both events were held in Manchester, UK. Prof Hunter is a Fellow of the IET, IEEE and the UK Royal Academy of Engineering.



**Alaa Abunjaileh** has a First Class Honors degree and PhD degree in Microwave Engineering from the University of Leeds. Between 2005-2011 he was a Research Fellow at the University of Leeds where he was involved in industrial and academic projects with UK Department of Trade and Industry (DTI), TDK Europe and Selex Galileo.

In 2011 he moved to Airbus Defence and Space as Principal Engineer and has been working on the design and development of next generation communications satellites front/end systems. Dr. Abunjaileh was the Operations Director for EuMW2011 in Manchester, he was the Finance Chair for the first IEEE MTT Conference in India, IMARC 2013, IMARC2014 and General Chair for IMARC2015/2017. He was the TPC Chair for EuMIC2016 in London. He has published papers in the IEEE MTT Conferences, MTT Transactions, Microwave Magazine and Microwave Letters. He is a Chartered Engineer and Senior Member of the IEEE.



**Dr Laith Danoon** is a lecturer at the school of Electrical and Electronic Engineering, the University of Manchester. Dr Danoon is an award winning engineering and research scientist specialising in radar and propagation modelling. Laith's research covers antennas and propagation as applied to radar, wireless communications and radio astronomy instrumentation. He obtained his PhD in 2009 from the University of Manchester and has been recognized expert in the impact of wind farms on radar and has worked as a consultant to industry. His work on the propagation and multiple reflections of radar waves within complex environments such as wind farms has been internationally recognised within the research communities as well as various industrial partners within the wind energy sector. Laith also serves as an organising member of a number of international conferences on radar and propagation.