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Editorial

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EuCAP 2022 special issue

Oscar Quevedo-Teruel and Zvonimir Sipus

This special issue of the *International Journal of Microwave and Wireless Technologies* (IJMWT) hosts an extended version of selected papers presented at the 16th edition of the European Conference on Antennas and Propagation (EuCAP), which was held in Madrid, Spain, from March 27 to April 1, 2022.

After 2 years of online conferences due to the COVID-19 pandemic, EuCAP came back to a physical on-site event. However, the virtual attendance capability was included for some elements of the conference due to the fact that some delegates were unable to physically attend the event due to travel restrictions or health issues. The conference included 828 accepted papers, selected through a peer review process from the 942 submitted papers.

EuCAP is organized by the European Association on Antennas and Propagation (EurAAP), association that is committed to fostering the advancement of research and development in Antennas and Propagation, among which to distribute and exchange information between scientists and engineers and to network and unite businesses, universities, local companies, scientists, and engineers. The four pillars of EurAAP are the flagship conference EuCAP, the European School of Antennas, the scientific journal *Reviews of Electromagnetics*, and various Working Groups. For more information, please visit www.euraap.org.

We have witnessed cooperation between EurAAP and the European Microwave Association (EuMA) practically since the establishment of EurAAP. As part of this cooperation, EurAAP has been invited, this year for the sixth time, to compile a guest issue of the IJMWT with a selection of high-ranking contributions presented at the 2022 edition of EuCAP, covering topics of interest to the wider microwave community. The extended versions of the conference papers testify that we share the same passion for microwaves with EuMA and the readers of IJMWT. Therefore, we hope that with this special issue, we will inspire the readers with new ideas and encourage scientific collaborations.

We would like to thank the authors, the reviewers, the editorial team of the journal, and particularly the editor in chief of IJMWT for their kind invitation and support.

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Oscar Quevedo-Teruel received his Telecommunication Engineering and Ph.D. Degrees from Carlos III University of Madrid, Spain, in 2005 and 2010. From 2010 to 2011, he joined the Department of Theoretical Physics of Condensed Matter at Universidad Autonoma de Madrid as a research fellow and went on to continue his postdoctoral research at Queen Mary University of London from 2011 to 2013. In 2014, he joined the Division of Electromagnetic Engineering and Fusion Science in the School of Electrical Engineering and Computer Science at KTH Royal Institute of Technology in Stockholm, Sweden, where he is a Professor and Director of the Master Programme in Electromagnetics Fusion and Space Engineering. He has been an Associate Editor of the *IEEE Transactions on Antennas and Propagation* since 2018–2022 and Track Editor since 2022. He is also the founder and editor in chief of the EurAAP journal *Reviews of Electromagnetics* since 2020. He was the EurAAP delegate for Sweden, Norway, and Iceland from 2018 to 2020, and he has been a member of the EurAAP Board of Directors since January 2021. Since January 2022, he is the vice-chair of EurAAP. He was a distinguished lecturer of the IEEE Antennas and Propagation Society for the period 2019–2021. He has made scientific contributions to higher symmetries, transformation optics, lens antennas, metasurfaces, and high impedance surfaces. He is the co-author of 130 papers in international journals and 200 at international conferences.

Zvonimir Sipus was born in Zagreb, Croatia, in 1964. He received the B.Sc. and M.Sc. degrees in electrical engineering from the University of Zagreb, Croatia, in 1988 and 1991, respectively, and the Ph.D. degree in electrical engineering from the Chalmers University of Technology, Gothenburg, Sweden, in 1997. From 1988 to 1994, he was with the Rudjer Boskovic Institute, Zagreb, Croatia, as a Research Assistant, where he was involved in the development of detectors for explosive gases. In 1994, he joined the Antenna Group, Chalmers University of Technology, where he was involved in research projects concerning conformal antennas and soft and hard surfaces. In 1997, he joined the Faculty of Electrical Engineering and Computing, University of Zagreb, where he is currently a Professor. From 2008 to 2012 and from 2014 to 2018, he has been the Head of the Department of Wireless Communications. From 1999 to 2005, he was also an Adjunct Researcher with the Department of Electromagnetics, Chalmers University of Technology. Since 2006, he has been involved in teaching with the European School of Antennas. His current research interests include analysis and design of electromagnetic structures with application to antennas, microwaves, and optical communication and sensor systems.

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