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Editorial

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This special issue of the *International Journal of Microwave and Wireless Technologies* presents the extended papers for selected conference papers held during the 2024 edition of the JNM (French Microwave Days), hosted at the Palais des Congrès, in Antibes-Juan Les Pins, France. This conference was held from the 4th to the 7th of June in 2024.

Since it was first held in Limoges in 1976, the Journées Nationales Microondes (JNMs) have become a key event for the French microwave community, providing an opportunity every 2 years (except for the Covid period) to meet and discuss the most relevant research topics in the field. This event brings together French academic and industrial players working in the field of microwaves, from materials, components, circuits, and antennas to communication and detection systems, as well as their many areas of applications (security, defense, space, environment, and health). It is also an opportunity for the Ph.D. students to present their work, often for the first time in public, and to meet their future colleagues.

Over the years, the JNM has become the second-largest European conference in the field of microwave techniques and technologies, attracting more than 500 participants. For this edition, the scientific committee has selected 255 papers presented in 32 oral sessions and 12 poster sessions. The work presented in this special issue was subject to a selection procedure, with the highest-ranking short papers receiving an invitation for an extended paper. These extended manuscripts have then undergone a regular review process before their final acceptance for this edition.

We would like to warmly thank the authors, the reviewers, the editorial board of *IJMWT*, and the Editor-in-Chief of *IJMWT* for their time and support in creating this special issue. We hope that you enjoy this edition!



Jean-Yves Dauvignac was born in Sisteron, France, in 1965. He received the Ph.D. degree in Electrical Engineering in 1993 from Université Nice-Sophia Antipolis. Since 1993, he is member of the Laboratory of Electronics, Antennas and Telecommunications (LEAT). He was the header of LEAT between January 2012 and December 2017. His research activities include design of UWB antennas in planar printed technology for radar and telecommunication systems, compact modelization of UWB antennas, radiation and diffraction measurements, microwave imaging and more recently targets detection and classification involving artificial intelligence. Pr. Jean-Yves Dauvignac served as Technical Program Chair for EuRAD Conference in 2010 and 2019. Since 2009 he is often member of the technical Program Committee of EuMW week. He served as Technical Program Chair of French national conference on Microwave in 2024 (JNM2024).



Philippe Le Thuc was born in Grasse, France, in 1975. He received the Ph.D. and Habilitation à Diriger des Recherches (HDR) degrees in electrical engineering from the University of Nice-Sophia Antipolis (UNS) in 2003 and 2016, respectively. Since 2020, he holds a Full Professor position at the Université Côte d'Azur. He is doing his research at the Laboratory of Electronic, Antennas and Telecommunications (LEAT) CNRS-UMR 7248, where he is the head of the research group CMA – Conception et Modélisation d'Antennes (Antennas Design and Modeling). He was also an animator of the cluster 4 (Circuits & antennas) of the GDR Ondes-CNRS (French National Research Group on Waves). His research mainly focuses on the design of small antennas, antenna-systems for diversity, and MIMO applications and antennas associated with sensors for biomedicine and radio-frequency identification.

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