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WAVES OF INNOVATION

28<sup>TH</sup> EDITION OF THE EUMW

# CONFERENCE PROGRAMME

EUROPE'S PREMIER MICROWAVE, RF, WIRELESS AND RADAR EVENT

# WAVES OF INNOVATION

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# Welcome from the General TPC Chairs

Dear colleagues and friends,

It is with great pleasure that we welcome you to the 28<sup>th</sup> edition of the European Microwave Week (EuMW 2025), taking place from September 21 to 26, 2025, in the heart of the Netherlands, the historic and vibrant city of Utrecht. Nestled among centuries-old canals and overlooked by the iconic Dom Tower, Utrecht blends rich heritage with dynamic modernity, serving as an ideal setting for this premier gathering of the global microwave community.

The theme for this year, “Waves of Innovation,” celebrates the transformative journey of our field, where cutting-edge research in microwave and wireless systems continues to advance communications, sensing, quantum technologies, radar, and beyond, while reshaping technology and serving the evolving needs of society.

The technical programme reflects the dedication of a passionate community and saw an impressive 753 paper submissions, each rigorously evaluated through nearly 6000 reviews, ensuring the highest standards of scholarly excellence. These efforts resulted in 409 oral presentations and 85 poster contributions, structured into 88 sessions, including focused and special sessions spanning the full breadth of our discipline.

The programme addresses foundational

topics as well as emerging areas poised to redefine the future. Sustainability and environmentally friendly ICT are emphasized, showcasing innovative strategies for energy-efficient RF technologies. Collaborations with key partners have further enriched the programme, including joint sessions with APMC, EurAAP, and, for the first time, ESA. These sessions explore critical themes such as space microwave technologies, mm-wave and THz circuits, and advanced antenna systems, reinforcing the interdisciplinary nature of our field.

Beyond technical content, EuMW 2025 offers a wide range of opportunities for professional development and community building. The international exhibition, one of the largest in Europe for RF and microwaves, facilitates hands-on interaction and industry networking. Workshops, short courses, and training sessions provide practical insights into emerging tools and techniques.

We have placed special focus on fostering new talent and celebrating excellence. Events like the Student Career Event and Women in Microwaves promote inclusion and growth. Awards such as the Young Engineer Prizes, Tom Brazil Essay Competition on Sustainability, and best paper recognitions highlight our shared commitment to innovation and impact.

We extend our heartfelt thanks to all who made this event possible. The

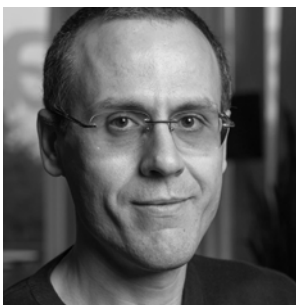
Technical Programme Committees—led by Ann Franchois and Kamil Yavuz Kapusuz (EuMC), Patrick Reynaert and Piyush Kaul (EuMIC), and Ronny Harmanny and Francesco Fioranelli (EuRAD)—along with 118 committee members, 66 sub-committee leaders, and 574 reviewers, shaped an exceptional programme and community experience.

Our gratitude also goes to EuMW 2025 General Chair Mark Bentum, Operational Officer David Prinsloo, and the local organizing committee for ensuring the highest standards in every detail. We warmly thank the EuMW Officers, the EuMA Board of Directors, and the Paper Management Team—Marc van Heijningen, Cristina Andrei, Megha Krishnaji Rao—and the Converia staff for their dedication and seamless coordination.

We also acknowledge with appreciation Guillaume Ducournau and Aurelian Crunteanu, organizers of the previous EuMW, whose insights and support helped us build on the legacy of excellence that defines this event.

We hope EuMW 2025 will be both intellectually rewarding and personally meaningful. Let us continue to connect Europe and the world through waves, advancing our field and inspiring the innovations of tomorrow.

We look forward to sharing this unforgettable week with you in Utrecht.



**DIEGO CARATELLI**  
EuMW General TPC Chair  
The Antenna Company,  
The Netherlands



**JACCO DE WIT**  
EuMW General TPC Co-Chair  
TNO, The Netherlands