



18th German Microwave Conference

March 15 – 17, 2027

hosted by Hamburg University of Technology
in cooperation with IMA e.V. and VDE/ITG

www.gemic2027.org
gemic2027@tuhh.de

The 18th German Microwave Conference (GeMiC) will take place in Hamburg, Germany's vibrant northern metropolis and a major hub for science, technology, and innovation. As Europe's third-largest port city, Hamburg combines a strong research environment with key industries such as aerospace, maritime technologies, digital sectors, and renewable energy. GeMiC2027 will be hosted by Hamburg University of Technology in its modern lecture hall building in the Harburg district, just 20 minutes from the central station. The venue and the city are easily accessible by rail, public transport, and international flights connecting to major European hubs.



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Abstract Submission:
November 2, 2026

Acceptance notification:
January 8, 2027

Final paper:
January 31, 2027

GeMiC2027:
March 15 – 17, 2027

Accepted papers will be considered
for publication in IEEE Xplore.

Submit abstracts (max. 4 pages A4)
electronically as described on
www.gemic2027.tuhh.de

Topical Areas

Passives, EM, and Antennas

- Planar and Non-Planar Passive Components
- Filters and Multiplexers
- Additive Manufacturing, Emerging Materials, and Sustainable Technologies
- Interconnects, Packaging, and System-in-Package
- Antennas and Antenna Arrays
- Integrated Antennas
- Metamaterials and Electromagnetic Bandgap Structures
- Reconfigurable Intelligent Surfaces
- Electromagnetic Field Theory and Numerical Techniques
- Electromagnetic Compatibility, Interference, and Signal Integrity

Systems and Sensors

- Microwave, Millimeter-Wave, and THz Sensors
- Communication Systems
- Joint Communication and Sensing
- SWIPT and Talkative Power Conversion
- Cognitive Radio Systems
- Radar Imaging and Localization
- Radar Modelling and Processing
- Measurement and Calibration Techniques
- Material Testing and Characterization
- Biomedical Applications

Electronics and Active Circuits

- Transmitter and Receiver Circuits
- Frontends and Transceiver Modules
- Microwave, Millimeter-Wave, and THz Devices
- Low Noise and Power Amplifiers
- Frequency Synthesis, Conversion, and Control Circuits
- Microwave Photonic Components, Circuits, and Systems
- Microwave Tubes
- RF Semiconductor Technologies
- System-on-Chip and System-in-Package

Conference Team

General Chairs: Alexander Kölpin, Technische Universität Hamburg
Michael Höft, Christian-Albrechts-Universität zu Kiel

IMA e.V. VDE ITG



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