



# GEMIC 2025

German Microwave Conference Dresden

16th German Microwave Conference

March 17-19, 2025

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

## LOCATION

The 16<sup>th</sup> German Microwave Conference (GeMiC) will take place in Dresden, the capitol of Saxony. It is located in the scenic Elbe valley and close to the Elbe Sandstone Mountains. Dresden is an important semiconductor location in Europe, heart of Silicon Saxony and a cultural center with the Semperoper, Frauenkirche and several museums. Dresden is well connected by train and the airport can be reached in 20 minutes from Dresden central station.

**GeMiC 2025 will take place in the Hörsaalzentrum of Dresden University of Technology. The venue is conveniently located on the campus.**



## IMPORTANT DATES

**Abstract Submission Deadline**

**24.10.2024**

**Notification of Acceptance**

**19.12.2024**

**Final Paper Submission**

**06.02.2025**

**Conference Date**

**17.03.2025 - 19.03.2025**

Accepted papers will be considered for publication in IEEE Xplore.

Abstracts (max. 4 pages A4) should be submitted electronically as described on [www.gemic2025.org](http://www.gemic2025.org)

## TECHNICAL AREAS

### Semiconductor Technology and Electronics

- RF Semiconductor Technologies
- Interconnects and Packaging
- System-on-Chip and System-in-Package
- Additive Manufacturing
- 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

### Systems and Sensors

- Microwave, Millimeter-Wave, and THz Sensors
- Communication Systems
- Radar Imaging and Localization
- Radar Modelling and Processing
- Measurement and Calibration Techniques
- Material Characterization
- Cognitive Radio Systems
- OTA Characterization

### Passives, EM, and Antennas

- Planar and Non-Planar Passive Components
- Emerging Materials
- Metamaterials and FSS
- Antennas and Antenna Arrays
- Integrated Antennas
- Electromagnetic Field Theory and Numerical Techniques
- Electromagnetic Compatibility, Interference, and Signal Integrity

### 6G Technologies and Applications

- Joint Communication and Sensing
- Tactile Internet
- Cellular Networks
- High-Altitude Platforms
- Satellite-based Networks / CubeSats
- Aeronautics
- Autonomous Driving
- Body-Area Networks
- Human-Machine Interface
- Green ICT & Sustainable Electronics



## CONFERENCE TEAM

General Co-Chairs: Dirk Plettemeier, Frank Ellinger, Gerhard Fettweis

## CONTACT

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