



Sixth International Workshop on Mobile Terahertz Systems (IWMTS), 3 - 5 July 2023, 5* Kameha Grand Hotel Bonn, Germany

The 2023 Sixth International Workshop on Mobile Terahertz Systems (IWMTS) will be held at 5* Kameha Grand Hotel, Bonn, Germany, on 3 - 5 July 2023.

IWMTS sets itself apart from well-known THz conferences by focusing on "Mobile THz Technology and corresponding THz Systems" since the organizing committee believes that "Mobility" will ultimately push THz solutions to mass markets. Of course, progress reports on traditional technological advances for THz components and theoretical studies on THz wave propagation as well as related topics are also highly welcome.

The topics of the workshop include, but are not limited to, the following areas focusing on THz frequencies (>100 GHz) and mobility:

- Devices and systems
- Antennas and propagation
- Measurements, simulations and modeling
- Electronic and photonic transceivers
- Prototypes and testbeds
- Material characterization
- Spectroscopy
- Signal processing
- Communications (in particular 6G)
- Localization
- Identification
- Imaging and remote sensing
- Beamforming and -management
- Data and sensor fusion
- Applications

Confirmed Keynote Speakers

- Emma MacPherson, "Advances in THz *in vivo* Imaging of Skin"
- Daniel Mittleman, "Conformal Antennas for THz Wireless Links"
- Ullrich Pfeiffer, "THz Light-Field Imaging"

Apply for the IWMTS "TalentTravel" Program

Travel grants are available in the "TalentTravel" Program. For more information please visit www.iwmts.org. Application deadline: March 31, 2023

Special Issue in IEEE Transactions on Microwave Theory and Techniques

Authors of all papers presented at IWMTS 2023 are invited to submit an extended version of their papers to a Mini-Special Issue of IEEE Transactions on Microwave Theory and Techniques. Every paper will be reviewed in the same manner as all other regular submissions. Further information can be found on www.iwmts.org

Join the Panel Session: Is "Miniaturization" the Destiny of THz?

Important Dates

Full Paper Submission Deadline:
March 15, 2023

Proposals for Special Sessions:
March 15, 2023

Acceptance Notification:
April 24, 2023

Camera-ready Submission:
May 15, 2023

IWMTS Organizing Committee

- General Chair **Thomas Kaiser**
- General Co-Chair **Aydin Sezgin**
- TPC Chairs **Andreas Czyllwik, Ilona Rolfes**
- Tutorial Chair **Daniel Erni**
- Publication Chair **Feng Zheng**
- Finance Chair **Munisch Wadwa**
- Publicity Chairs **Mohammed El-Absi, Nidal Zarifeh**
- Local Arrangements **Akram Najjar, Andreas Prokscha, Yamen Zantah**
- Internal Coordinators **Ali Alhaj Abbas, Dien Lessy, Fawad Sheikh**
- Web Design **Aman Batra**

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Papers are invited to be uploaded on the EDAS system: <https://edas.info/newPaper.php?c=30226>. The manuscript should follow the IEEE two column format with single spaced, 10 pt font in the text. MS or LaTeX templates can be downloaded from <https://www.ieee.org/conferences/publishing/templates.html>. The manuscript length should be three to five pages, including all figures, tables, references, and so on. All papers which meet IEEE quality standards and presented by one of the authors will be submitted to IEEE Xplore for indexing. More details about the workshop can be found on www.iwmts.org.