

CALL FOR PAPERS

2018 FIRST INTERNATIONAL WORKSHOP ON MOBILE TERAHERTZ SYSTEMS (IWMTS) 2-4 JULY 2018, VELEN, GERMANY

The 2018 First International Workshop on Mobile Terahertz Systems (IWMTS), organized by the Institute of Digital Signal Processing of University of Duisburg-Essen, will be held in Hotel SportSchloss Velen, Velen, Germany during 2-4 July 2018.

The Terahertz gap, which offers huge bandwidth while it suffers extremely high propagation losses, has been envisioned as the last domain in the radio spectrum for RF engineers to conquer. With recent technological advances, the feeling in the past two decades that this frequency range can hardly be used seems gone with more and more promising results. A number of well-attended international conferences on terahertz technology have witnessed this view. Different from these well-known conferences, IWMTS focuses on mobile ability and system concepts in terahertz technology in the sense that the systems or devices can be hand-held and easy-to-carry like mobile phones. Of course, progress reports on traditional technological advances in THz components and theoretical studies on THz wave propagation or related topics are also welcome.

The workshop provides a forum for scientists and engineers in this emerging field to present and exchange the outcome of their research. Technical papers describing original contributions to the science, technology, and applications of millimeter and terahertz waves are welcome. Topics of the workshop include (but are not limited to) the following areas (focusing on THz frequencies and mobile applications):

- Antennas and Propagation
- Modeling, Simulation and Analysis Techniques
- Microwave Photonics
- Sources, Detectors, and Receivers
- Devices, Components, and Systems
- Ultrafast Measurements
- Microscopes
- Spectroscopy and Signatures
- Communications
- Navigation and Localization
- Identification (RFID)
- Imaging, Inspection and Remote Sensing
- Resolution Enhancement/Super-resolution

IMPORTANT DATES

Full paper submission deadline:
January 30, 2018

Proposals for workshops deadline:
January 15, 2018

Acceptance notification:
March 31, 2018

Camera-ready submission:
May 4, 2018

CONFERENCE ORGANIZATION COMMITTEE

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