



CALL FOR PAPERS



2019 Second International Workshop on Mobile Terahertz Systems (IWMTS), 1-3 July 2019, Bad Neuenahr, Germany

The Second International Workshop on Mobile Terahertz Systems (IWMTS), organized by Institute of Digital Signal Processing of University of Duisburg-Essen, will be held in Bad Neuenahr, Germany, during 1-3 July 2019.

The Terahertz regime, which offers huge bandwidth while it suffers from low transmit power and partially high propagation loss, 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 to fade, owing to the surplus promising results. A number of well-attended international conferences on terahertz technology witness this perspective. In contrast to 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
- Material Characterization
- 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 13, 2019

Proposal for Workshops Deadline:

January 13, 2019

Acceptance Notification:

April 8, 2019

Camera-ready submission:

May 5, 2019

Conference Organizing Committee

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|------------------------------------|---|
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| ▪ Web Design | Aman Batra, Ali Alhaj Abbas |

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Papers are invited to be uploaded on the EDAS-system: <https://edas.info/newPaper.php?c=25410>. The manuscript should follow IEEE two-column format with single-spaced, 10-pt font in the text. MS or LaTeX templates can be downloaded from http://www.ieee.org/conferences_events/conferences/publishing/templates.html. The maximum manuscript length is six (6) pages, including all figures, tables, references, and so on. All presented papers which meet IEEE quality standards will be published in the conference proceedings and submitted to IEEE Xplore for indexing. More details about the conference can be found in www.iwmts.org.