



## 2020 Third International Workshop on Mobile Terahertz Systems (IWMTS), 1-2 July 2020, UNESCO World Heritage Site Zeche Zollverein, Essen, Germany

The 2020 Third International Workshop on Mobile Terahertz Systems (IWMTS), organized by University of Duisburg-Essen, is going to be held at the UNESCO World Heritage Site "Zeche Zollverein", Essen, Germany, on July 1-2 2020.

IWMTS sets itself apart from well-known THz conferences by focusing on "Mobile Technology and corresponding System Concepts" since the organizing committee believes that "Mobility" will ultimately push THz technology 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 welcome.

The workshop provides a forum for scientists and engineers in this emerging field to exchange the outcome of their research. Technical papers describing original contributions to the world of science, technology (classical or additive manufacturing), along

with applications in the respective field 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

### Confirmed Key Note Speakers

- Thomas W. Crowe, Virginia Diodes Inc., "Compact THz measurements"
- Andreas F. Molisch, University of Southern California, "THz propagation channels"
- Karl Schuster, IRAM, "The first black hole image by THz radiation"
- Aarno Pärssinen, University of Oulu, "6G and THz"

### TRAVEL GRANTS AVAILABLE

30 travel grants (15 each for female and male students) are available covering all costs for participation in IWMTS2020. For more information please visit [www.iwmts.org](http://www.iwmts.org). Application deadline: January 31, 2020

### Join the IWMTS Panel Session

Will mobility push THz to mass markets?

### Important Dates

Full Paper Submission Deadline:  
**January 31, 2020**

Proposal for Workshops Deadline:  
**January 31, 2020**

Acceptance Notification:  
**April 20, 2020**

Camera-ready Submission:  
**May 18, 2020**

### IWMTS Organizing Committee

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| <ul style="list-style-type: none"> <li>▪ General Chair</li> <li>▪ General Co-Chair</li> <li>▪ TPC Chairs</li> <li>▪ Special Session Chairs</li> <li>▪ Tutorial Chair</li> <li>▪ Publication Chair</li> <li>▪ Finance Chair</li> <li>▪ Publicity Chair</li> <li>▪ Local Arrangement</li> <li>▪ Conference Internal Coordinators</li> <li>▪ Web Design</li> </ul> | <p><b>Thomas Kaiser</b><br/><b>Ullrich Pfeiffer</b><br/><b>Andreas Czyliw, Ilona Rolfes</b><br/><b>Nils Pohl, Andreas Stöhr</b><br/><b>Daniel Erni</b><br/><b>Feng Zheng</b><br/><b>Munisch Wadwa</b><br/><b>Mohammed El-Absi</b><br/><b>Stefanie Schuylen-Matuschek</b><br/><b>MD Jahangir Alam, Mai Alissa,</b><br/><b>Fawad Sheikh</b><br/><b>Ali Alhaj Abbas, Aman Batra</b></p> |
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Papers are invited to be uploaded on the EDAS-system: <https://edas.info/newPaper.php?c=26676>. 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](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 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 meeting are found in [www.iwmts.org](http://www.iwmts.org).