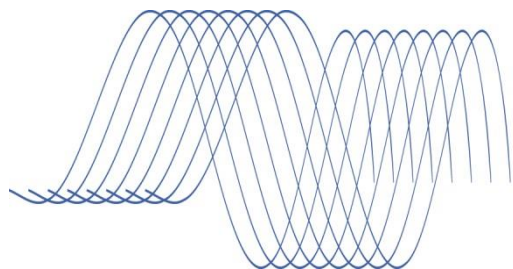


IWMTS

INTERNATIONAL WORKSHOP ON
MOBILE THz SYSTEMS



July 2nd – 3rd, 2020

Virtual Workshop

Please register on www.iwmts.org/registration

Registration opens June 22nd

PROGRAM

All times are given in Central European Time (CET)



UNIVERSITÄT
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Day 1 – Thursday, July 2nd

- 09.15 – 09.30 **Thomas Kaiser**
Welcome Speech
- Morning Session: Mobile THz Communications**
Chair: Thomas Kürner
- 09.30 – 10.10 **On the Impact of the Results of WRC 2019 on THz Communications**
T. Kürner, A. Hirata
- 10.15 – 10.55 **Long-range High-Speed THz-Wireless Transmission in the 300 GHz Band**
C. Castro, R. Elschner, T. Merkle, C. Schubert, R. Freund
- 11.00 – 11.40 **Physically Secure mm-Wave Wireless Links with Spatio-temporal Modulated Arrays**
K. Sengupta, X. Lu, S. Venkatesh, B. Tang
- 11.45 – 12.25 **Efficient Transmission Schemes for THz Communications**
W. Gerstacker

12.25 – 14.00 Lunch Break

Afternoon Session: Key Note Talks

Chair: Ilona Rolfes

- 14.00 – 15.00 **Karl Schuster**
The Event Horizon Telescope – Imaging Supermassive Black Holes - Science and Technology of Advanced Millimeter VLBI
- 15.00 – 15.15 **Coffee Break**
- 15.15 – 16.15 **Daniel M. Mittleman**
Low-latency Link Discovery in THz Wireless Networks
- 16.15 – 16.30 **Coffee Break**
- 16.30 – 17.30 **Thomas W. Crowe**
The Advancement of THz Technology for Compact Systems

Day 2 – Friday, July 3rd

Morning Session: Mobile THz Technology

Chair: Andreas Stöhr

- 09.30 – 10.10 **Record High Average Power Broadband THz Sources**
C. Saraceno
- 10.15 – 10.55 **Ultra-low Phase Noise Frequency Synthesis for THz Communications Using Optoelectronic PLLs**
J. C. Scheytt, D. Wrana, M. Bahmanian, I. Kallfass
- 11.00 – 11.40 **THz Arrays in CMOS**
K. Guo, P. Reynaert, G. Teofilo Neves Guimaraes
- 11.45 – 12.25 **Integrated Photonic Terahertz Beam Steering Technologies**
A. Stöhr

12.25 – 14.00 Lunch Break

Afternoon Session: Key Note Talks

Chair: Nils Pohl

- 14.00 – 15.00 **Aarno Pärssinen**
RF Trends and Challenges Towards 6G Communications Systems
- 15.00 – 15.15 **Coffee Break**
- 15.15 – 16.15 **Andreas F. Molisch**
New results in THz Propagations Channels
- 16.15 – 16.30 **Coffee Break**
- 16.30 – 17.30 **Panel Session: Will Mobility Push THz Towards Mass Markets?**
Panel Host: Thomas Kaiser
Panelists: Thomas W. Crowe, Thomas Kürner, Andreas F. Molisch, Daniel M. Mittleman