4th MARIE IRTG Scientific Seminar 2022

November 07th, 2022

Gerhard-Mercator-Haus, Lotharstraße 57, 47057 Duisburg
Universität Duisburg-Essen, Duisburg, Germany

Participation via Zoom (Main link):
https://uni-due.zoom.us/j/64402997818?pwd=aHdzYUk4WjJXM1BjY0xFc0Ira2V0UT09

Morning Session:

09.00 – 09.15	Welcome and registration
09.15 – 10.15 00:15 – 01:15 CA, US	Prof. Mona Jarrahi University of California Los Angeles, USA *Keynote Speech* Plasmonic Terahertz Imaging and Spectroscopy Systems
10.20 – 10.40	Sebastian Gassel, RUB, C06 The Influence of Surface Roughness on Reflective THz Measurements
10.40 – 11.00	Andreas Prokscha, UDE, M01 Multidisciplinary Data Fusion with Digital Twins for Enhancing THz Ray-Tracing
11.00 – 11.15	Coffee Break
11.15 – 12.30	Prof. Clara Saraceno, RUB, Prof. Niels Benson, UDE, Q&A Get-Together MARIE PhDs Karriereplanung mit Familie
12.30 – 13.30	Lunch Break *Lunch will be served in **Haniel-Saal** in the venue Gerhard-Mercator-Haus*

Afternoon Session:

13.30 – 14.40	Dr. Antoine Calleau SWISSto12, Switzerland *Keynote Speech* Measuring Dielectric Properties in Millimeter Wave Frequencies with the Material Characterization Kit (MCK)
14.45 – 15.05	Francesca Schenkel, RUB, M02 Investigations on the Fourth State of Matter Based on Radar Measurements
15.10 – 15.30	Marvin Degen, UDE, M03 Semi-Analytical Modeling of 2-Dimensional Scattering Problems using T-Matrix Method
15.30 – 15.45	Coffee Break
15.45 – 16.05	Tobias Kubiczek, UDE, M05 Material Classification for Terahertz Images Based on Neural Networks
16.05 – 16.45	*PhD Student Discussion*

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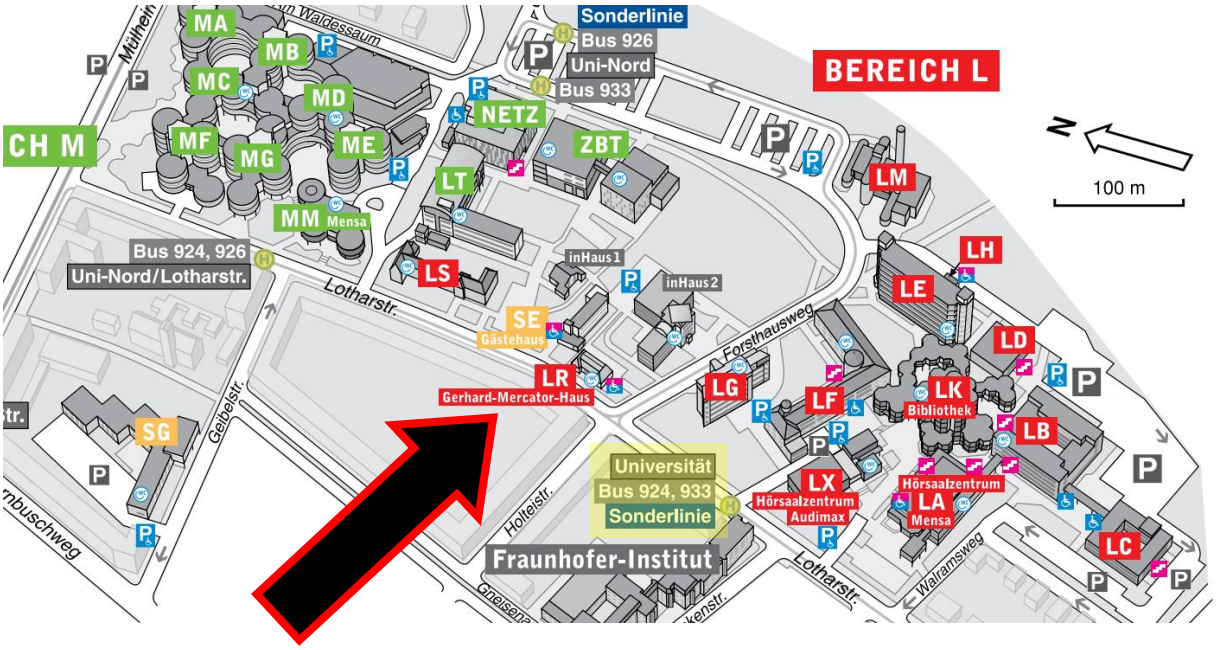
Alternative Zoom-link:
https://tu-darmstadt.zoom.us/j/69579570857?pwd=cS9sblUxcythS0E2YUQwbFJrR1BmZz09

Directions to the Seminar Venue from Duisburg Railway Station – East Entrance (Osteingang)

The seminar will take place in the Gerhard-Mercator-Haus, Lotharstraße 57, 47057 Duisburg.

You may scan the following Q-code with your Handy to get the location directly.

Getting to the Seminar Venue using public transportation:

- From the east entrance of the Duisburg Railway Station (HBF), take **Bus 933** in the direction **Uni-Nord**.
- Get off the bus at the **Universität station**, which is the one before the end station.
- The Venue is about 120 m in the direction of the bus.