

## 5<sup>th</sup> MARIE IRTG Scientific Seminar 2018

December 18<sup>th</sup>, 2018

Gästehaus der Bergischen Universität Wuppertal  
Rainer-Gruenter-Str. 3, 42119 Wuppertal, Germany

- 10.30 – 12.00 Prof. Dr. Ullrich Pfeiffer/Dr. Janusz Grzyb, BUW, **C04/C08**  
*Interactive Tutorial*  
**What I always wanted to know about...**  
Why are SiGe HBTs faster?  
How do you receive THz signals with transistors?  
How do integrated antennas work?
- 12.00 – 12.30 Marcel Andree, BUW, **C08**  
A Broadband Dual-Polarized Terahertz Direct Detector in a 0.13- $\mu$ m  
SiGe HBT Technology
- 12.30 – 13.30 Lunch Break
- 13.30 – 14.00 Jonathan Wittemeier, RUB, **C03**  
Scalable MIMO Radar Concept at 250 GHz
- 14.00 – 14.30 Benedikt Sievert, UDE, **C05**  
Patch Antenna Efficiency Enhancement Utilizing Series Capacitive Loading
- 14.30 – 15.00 Vladimir Bernhardt, RUB, **M04**  
Robotic Antenna Measurements
- 15.00 – 15.15 Coffee Break
- 15.15 – 16.15 Prof. Aarno Pärssinen, University of Oulu  
*Keynote Speech*  
Considerations on 5G (mmW): From Systems to Implementation and  
Applications towards THz
- 16.15 – 16.45 PhD Student Discussion

## Traveling Directions to the Seminar:



By public transport:

From Wuppertal main station take the bus 603 and get off at Rainer-Gruenter-Str.