



Aachen Graphene & 2D Materials Center November Workshop 2021

November 15-16, 2021 | SuperC, RWTH Aachen University

Program

Monday, November 15, 2021

- 12:00-13:00 Principal Investigators Meeting
- 13:00-14:00 Lunch
- 14:00-14:05 Workshop Opening
- 14:05-14:35 **Prof. Dante Kennes**, Institute for Theory of Statistical Physics, RWTH
"Moiré heterostructures: a condensed matter quantum simulator"
- 14:35-15:05 **Dr. Zhenxing Wang**, AMO GmbH
"Flexible Electronics with Graphene: From Devices Towards System"
- 15:05-15:35 **Dr. Annika Kurzman**, II Institute of Physics A, RWTH
"2D materials for quantum networks"
- 15:35-16:05 Coffee Break
- 16:05-16:35 **Prof. Christoph Stampfer**, II Institute of Physics A, RWTH
"Bilayer graphene for quantum electronics"
- 16:35-17:05 **Prof. Michael Heuken**, Aixtron SE
"Large area deposition of high quality 2D materials"
- 17:05-17:20 **Dr. Gordon Rinke**, AMO GmbH
"The 2D Experimental Pilot Line at AMO"
- 17:20-17:50 Coffee Break
- 17:50-18:20 **Prof. Sven Ingebrandt**, Institute of Materials in Electrical Engineering 1, RWTH
"Biosensors based on two-dimensional materials and interfaces: fundamentals, opportunities and challenges"
- 18:20-18:50 **Prof. Daniel Neumaier**, Bergische Universität Wuppertal & AMO GmbH
"Stable TMDC encapsulation and flexible logic circuits"
- 19:00-22:00 Poster Session & Dinner

Tuesday, November 16, 2021

- 09:00-09:30 **Prof. Max Lemme**, AMO GmbH & Chair of Electronic Devices, RWTH
"Electronic Devices based on 2D Materials: MEMS, Photodiodes and Memristors"
- 09:30-10:00 **Prof. Markus Morgenstern**, II Institute of Physics B, RWTH
"Scanning probe microscopy on exfoliated 2D materials"
- 10:00-10:30 **Prof. Andrei Vescan**, Compound Semiconductor Technology, RWTH
"Metal-organic vapor phase deposition of 2D-TMDCs"
- 10:30-11:00 Coffee Break
- 11:00-11:30 **Prof. Renato Negra**, Chair of High Frequency Electronics, RWTH
"HFE Graphene activities"
- 11:30-12:00 **Prof. Joachim Knoch**, Chair of Semiconductor Electronics, RWTH
"Multigate Field-Effect Transistors"
- 12:00-13:00 Lunch