

SFB 1083 and Physics Department – Workshop on Quantum Materials

Wednesday, 24.05.2023, Lecture Room, University Library,
Deutschhausstraße 9, 35037 Marburg

- 12:15 – 12:45 **Welcome and Lunch for Speakers**
- 12:50 – 13:15 **Dr. Iris Niehues**, CIC Nanogune, San Sebastian
Strain tuning the optical properties of 2D materials
- 13:15 – 13:40 **Dr. Andreas Stier**, TU Munich
Selective engineering of interlayer exciton physics: twist dependent moiré potential and cavity induced lasing
- 13:40 – 14:05 **Dr. Nadine Leisgang**, University of Havard
Electrical control of interlayer excitons in atomically thin van der Waals heterostructures
- 14:05 – 14:25 Coffee break
- 14:25 – 14:50 **Dr. Marcel Reutzel**, University of Göttingen
Illuminating the dark: novel experimental probes for quantum material properties
- 14:50 – 15:15 **Prof. Dr. Eva M. Herzig**, University of Bayreuth
Characterization and control of nanostructures in organic and hybrid semiconductors
- 15:15 – 15:40 **Dr. Ulrike Kraft**, MPI for Polymer Research, Mainz
Small, but highly effective: Functional molecules in polymer devices
- 15:40 – 16:00 Coffee break
- 16:00 – 16:25 **Dr. Birgit Stiller**, MPI for the Science of Light, Erlangen
Light-sound interactions in the quantum and classical domain
- 16:25 – 16:50 **Dr. Juliane Borchert**, FI for Solar Energy Systems, Freiburg
Perovskite Solar Cells - Controlling Complex Interfaces to Fabricate High Efficiency Solar Cells
- 16:50 – 17:15 **Dr. Aparajita Singha**, MPI for Solid State Research, Stuttgart
Non-invasive imaging and quantum control using an atomic-scale defects in diamond
- From 18:30 Post-Session, Zur Sonne, Markt 14, 35037 Marburg