

SFB 1083 Workshop on TMDC Interfaces

WWU Münster, IG1 HS3 (ground floor)

Thursday 14.06.2018

- 12:00 - 13:00 *Lunch (external participants)*
- 12:55 - 13:00 **Michael Rohlfing (Münster)** – Welcome Address
- 13:00 - 13:30 **Gerson Mette (Marburg)**
Time-resolved SHG in TMDC materials
- 13:30 - 14:00 **Francois Bocquet (Jülich)**
Phonons in MoS₂
- 14:00 - 14:30 **Steffen Michaelis de Vasconcellos (Münster)**
Single-Photon Emitters in 2D Materials
- 14:30 - 15:00 *Coffee break*
- 15:00 - 15:30 **Doris Reiter (Münster)**
Spatio-temporal carrier dynamics and capture processes in 2D materials
- 15:30 - 15:50 **Lars Meckbach (Marburg)**
Theory of optical gain
- 16:00 - 16:15 *Coffee break / Pre-Colloquium*
- 16:15 **Colloquium talk Ulrich Höfer**
Ultrafast Electron Dynamics at Surfaces and Internal Interfaces
- 17:30 **Lab tours ([AG Bratschitsch](#), [Donath](#)) / [transfer to hotel](#)**
- 19:00 *Dinner*

Friday 15.06.2018

- 09:00 - 09:30 **Tineke Stroucken (Marburg)**
Interlayer excitons in TMDC
- 09:30 - 09:55 **Philipp Marauhn (Münster)**
Thickness dependent electronic and optical properties of TMDCs within MBPT
- 09:55 - 10:20 **Lukas Eschmann (Münster)**
Energy shift of the Ag(111) Shockley state due to adsorption of NTCD
- 10:20 - 10:50 **Christian Schwermann (Münster)**
Ab initio investigations of photoluminescence enhancement in chemically treated MoS₂
- 11:20 - 11:50 **Philipp Eickholt (Münster)**
Spin structure of K valleys in single-layer WS₂ on Au(111)
- 11:50 - 12:10 **You-Ron Lin (Jülich)**
NIXSW experiments
- 12:10 - 12:40 **Robert Wallauer (Marburg)**
2PPE experiments on MoS₂
- 12:40 **Ulrich Höfer (Marburg)** - Closing remarks
- 12:45 *Lunch, departure*