

IOP CAS - IRIS HU Workshop

IRIS, Room 0'21, Zum Großen Windkanal 6, 12489 Berlin

Tuesday, June 25th, 2019

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| 09:00 – 09:05 | Opening by Jürgen P. Rabe (IRIS) |
| 09:05 – 09:40 | C. A. Palma (CAS)
<i>“Molecular Architecture Excitations on Graphene and Boron Nitride”</i> |
| 09:40 – 10:15 | Jürgen P. Rabe (IRIS)
<i>“Opto-electronically active molecules in a flexible slit pore”</i> |
| 10:15 – 10:50 | Sheng Meng (CAS)
<i>“Photoinduced quantum dynamics in 2D materials”</i> |
| 10:50 – 11:15 | Coffee Break |
| 11:15 – 11:50 | Norbert Koch (IRIS)
<i>“Substrate-dependent electronic properties of monolayer transition metal dichalcogenides”</i> |
| 11:50 – 12:25 | Yang Sun (CAS)
<i>“Synaptic Transistor based on 2D Molybdenum Oxide”</i> |
| 12:25 – 13:45 | Lunch Break |
| 13:45 – 14:20 | Sergey Sadofev (HU Berlin)
<i>“Transition metal dichalcogenide monolayers and heterostructures for hybrid optoelectronic devices”</i> |

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- 14:20 – 14:55 Guangyu Zhang (CAS)
“Van der Waals heterostructures of 2D materials”
- 14:55 – 15:30 Christoph Koch (IRIS)
“Imaging, diffraction, and spectroscopy of 2D materials using moderately fast electrons”
- 15:00 – 16:00 Coffee Break
- 16:00 – 16:35 Yongqing Li (CAS)
“Anomalous Hall effect in a magnetic insulator/topological insulator heterostructure”
- 16:35 – 17:10 Claudia Draxl (IRIS)

“Excitations at 2D materials and their interfaces: aspects of level alignment, polarization, spin-orbit coupling, excitonic effects, and hyperbolicity”
- 18:00 Transport to Dinner
- 18:30 Dinner at Ristorante Pino
(Rheingaustraße 14, 12161 Berlin)

Wednesday, June 26th, 2019

- 09:00 – 12:00 Discussion
12:00 Pizza Lunch