



MPSD Workshop

Non-equilibrium phenomena at short length scales and in low dimensions

Wednesday, 03.05.2017

- 10:00 Labtours and meetings
- 14:00 **Andrea Cavalleri**
Welcome
- 14:15 **Andreas Heinrich**
Electron Spin Resonance of single atoms on a surface
- 15:00 Discussion
- 15:15 **Sebastian Schmidt**
Photons on a lattice: from quantum simulations to brain-inspired computing
- 16:00 Discussion
- 16:15 Coffee break
- 16:45 **Sebastian Loth**
Imaging ultrafast spin and charge dynamics at the atomic scale
- 17:30 Discussion
- 17:45 **Tal Schwartz**
Strong coupling in organic cavities: Quantum optics for molecular chemistry
- 18:30 Discussion

Thursday, 04.05.2017

- 9:30 **Abhay Pasupathy**
Materials under Strain: an Atomic-Scale Perspective
- 10:15 Discussion
- 10:30 Coffee break
- 11:00 **Dimitri N. Basov**
High-mobility electron liquid in graphene: insights by infrared nanoimaging of plasmonic waves
- 11:45 Discussion
- 12:00 Lunch Catering

Thursday, 04.05.2017

- 14:00 **Feng Wang**
Probing Valley Dynamics in WS_2/WSe_2 heterostructures
- 14:45 Discussion
- 15:00 **Shahal Ilani**
Imaging the Quantum Wigner Crystal of Electrons in One-Dimension
- 15:45 Discussion
- 16:00 Coffee break
- 16:30 **Jacqueline Bloch**
Semiconductor microcavities: a non-linear photonic emulator
- 17:15 Discussion
- 17:30 **Frank Koppens**
Quantum plasmonics, polaritons and strong light-matter interactions with 2d material heterostructures
- 18:15 Discussion

Friday, 05.05.2017

- 9:30 **Kurt Kremer**
Structure formation of soft matter near adsorbing interfaces
- 10:15 Discussion
- 10:30 Coffee break
- 11:00 **Jessica M. Anna**
Tracking Photoinitiated Dynamics of Light Harvesting Complexes and Chromophores Through Ultrafast spectroscopy
- 11:45 Discussion
- 12:00 Final remarks

Further information:
conferences.cfel.de

Registration:

