

## SFB 1083 Workshop – Theory

Thursday, 20.11.2014, 14:00 h  
Hörsaal Renthof 7

### Session I (Chair: Prof. Dr. Stephan W Koch)

- 14:00 – 14:30 **Josua Pecher (Marburg)**  
*“Thermodynamics and kinetics of adsorption for cyclooctyne, derivatives and model systems on silicon surfaces via density functional theory”*
- 14:30 – 15:00 **Dr. Mathias Ljungberg (Marburg, DIPC)**  
*“Optical spectra from density functional theory and the Bethe-Salpeter equation”*
- 15:00 – 15:30 **Dr. Nikolay Zaitsev (Marburg)**  
*“Adsorption geometry and interface states: The compressed and relaxed phases of NTCD/Ag(111)”*
- 15:30 – 15:50 Coffee Break

### Session II (Chair: Dr. Daniel Sánchez-Portal)

- 15:50 – 16:20 **Dr. Ilya Nechaev (DIPC)**  
*“Lifetimes of Interface and image-potential states in metal-organic interfaces as estimated within one-dimensional pseudopotential model”*
- 16:20 – 16:50 **Osmo Vänskä (Marburg)**  
*“Dynamics of Charge-Transfer Excitons in Semiconductor Heterostructures”*
- 16:50 – 17:20 **Christian Berger (Marburg)**  
*“Microscopic treatment of W-Laser Quantum Wells”*
- 17:20 – 17:30 Break

### Session III

- 17:30 – 18:00 **Open Discussion**