

Monday, 1 Oct. – Morning

8:00 Registration Opens

8:50 Opening Address

1D Systems

Chair: Ralph Claessen

9:00 Harold J.W. Zandvliet
Self-Organizing Nanowires on Ge(001)

10:00 Christoph Renner
Self-Assembled Model Systems on the Si(001) Surface to Explore 1D Physics

10:20 Sebas Eliëns
The Effect of Finite Size Geometries on Correlation Functions of 1D Quantum Systems at Finite Temperature

10:40 Coffee Break

Correlations from 1D to 2D

Chair: Jörg Schäfer

11:15 Christoph Tegenkamp
Pb/Si(557): Uniaxial Nesting of Spin-Polarized Surface Bands and its Relation to Transport

11:45 Philipp Hansmann
What about U on Surfaces? - Extended Hubbard Models for Adatom Systems from First Principles

12:05 Claude Monney
Mapping of Electron-Hole Excitations in a Charge Density Wave System with Resonant Inelastic X-ray Scattering

12.25 Lunch Break

Monday, 1 Oct. – Afternoon

Oxide Surfaces and Interfaces I

Chair: Michael Sing

- 14:00 Hiroshi Kumigashira
Creation and Control of Metallic Quantum Well States in Artificial Structures of Strongly-Correlated Oxide
- 15:00 Harald Jeschke
First Principles Investigations of the Importance of Oxygen Vacancies in the Formation of the Two-Dimensional Metallic State at the Surface of SrTiO₃
- 15:20 Milan Radovic
Altering STO/Vacuum Interface Electronic States Depositing Polar LAO Epitaxial Film: In Situ Spectroscopy Study
- 15:40 Felipe Santander-Syro
Novel Two-Dimensional Electron Gases at the Surface of Transition-Metal Oxides: From Orbital Ordering to Orbital Symmetry Reconstruction
- 16:00 Coffee Break

From Kondo to Heavy Fermion Physics I

Chair: Matthias Bode

- 16:30 Martin Wenderoth
Probing Bulk Impurities with STM: From a Single Kondo Atom Towards Dense Systems

18:00 Poster Session A

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20:00