

SPA-LEED Workshop

09-11 October 2024, Chemnitz

Wednesday (09.10.2024)

Time	Name	Title
15 ¹⁰ -15 ⁵⁵	Till Domröse invited	Nanobeam Ultrafast Electron Diffraction of Structural Phase Transformations
15 ⁵⁵ -16 ²⁰	Christian Brand	Ultrafast thermal boundary conductance under large temperature discontinuities of ultrathin epitaxial Pb films on Si(111)
16 ²⁰ -16 ⁴⁵	Herbert Pfnür	Concentration dependent (de-)stabilization of vicinal Si surfaces by adsorbed gold submonolayers
16 ⁴⁵ -18 ⁰⁰	Poster I	

Thursday (10.10.2024)

09 ⁰⁰ -09 ⁴⁵	Moritz Sokolowski invited	Layers of Large Organic Molecules - From SPA-LEED to IV-LEED and Reverse
09 ⁴⁵ -10 ¹⁰	Jens Falta	IV-LEEM and μ -LEED Study of the Oxidation of Alloyed Pt _{1-x} Sn _x /Pt(111)
10 ¹⁰ -10 ³⁵	M. Alexander Schneider	Structural analyses of Se and Te adsorbate phases on Ru(0001) using μ LEED-IV data
Conference photo		
Break		
11 ⁰⁵ -11 ⁵⁰	Michael Tringides invited	A long standing paradox: broad diffraction spots measure high quality 2D materials
11 ⁵⁰ -12 ¹⁵	Birk Finke	The Bell-Shaped Component in Diffraction from 2D Materials
12 ¹⁵ -12 ⁴⁰	Peter Kury	Latest developments regarding SPA-LEED software
Lunch		
14 ⁰⁰ -16 ⁰⁰	Poster II	
16 ⁰⁰ -17 ⁰⁰	Lab tours	
17 ⁰⁰ -17 ²⁵	Rico Ehler	Advanced Modeling of X-ray Reflectivity for Thick Metallic Multilayer Systems
17 ²⁵ -17 ⁵⁰	Linus Pleines	In situ Study of the Identification of the Active Sites during Reoxidation of Ce ₂ O ₃ (111) on Ru(0001) by CO ₂
Dinner		

Friday (11.10.2024)

09 ⁰⁰ -09 ⁴⁵	Philip Schädlich invited	Low-energy Electron Microscopy: Stacking Relations and Graphene-Substrate Interactions
09 ⁴⁵ -10 ¹⁰	Stefan Förster	From simple to complex: A classification of quasicrystal approximants in two-dimensional Ba-Ti-O on Pd(111)
10 ¹⁰ -10 ³⁵	Marko Kriegel	Incommensurability and Negative Thermal Expansion of Single Layer Hexagonal Boron Nitride
Break I		
11 ⁰⁵ -11 ⁵⁰	Andreas Undisz invited	Spatially resolved phase detection in the near-surface area using TEM
11 ⁵⁰ -12 ¹⁵	Julian Koch	Proximitized Bi(110) quantum islands on epitaxial graphene
12 ¹⁵ -12 ⁴⁰	Lunch, Departure	

Poster Session

Poster N	Name	Title
P.1	Satjawoot Phiw-Ondee	Structural study of reactive growth and interaction between cerium oxide and graphene on Ru(0001)
P.2	Pavel Procházka	ProLEED Studio: Simplifying Modeling of Low-Energy Electron Diffraction Patterns
P.3	Chris Schröder	SPA-LEED studies of the ordering of Au-induced Nanowires on Si(553)
P.4	Joachim Wollschläger	SPA-LEED studies on the epitaxy of ultra-thin Fe ₃ O ₄ films on SrTiO ₃ (001)
P.5	Niels Ganser	UHV-CVD on Ir(111) for the Growth of 2D Materials
P.6	Mohammad Tajik	Order-disorder phase transition on the dimerized Si(001) surface
P.7	Christian Kumpf	Boron Nitride on SiC(0001): A pathway towards unconventionally oriented single-layer graphene and twisted bilayer graphene
P.8	Markus Gruschwitz	Imaging Charge Densities at Interfaces with TEM
P.9	Peter Richter	Growth of crystalline CoCrFeNi high-entropy alloy thin films on LaAlO ₃ by magnetron sputtering
P.10	Niclas Tilgner	Intercalation of Graphene on SiC: New Materials and Emerging Physics
P.11	Lukas Schewe	Composition and band structure of aluminum alloyed - gallium oxide by XPS
P.12	Sergii Sologub	Intercalation of Pb using buffer layer on SiC(0001)