

Program schedule (10/5-10/7)

Oct.5 (Mon.)		Oct.6 (Tue.)		Oct.7 (Wed.)		
09:00-09:15		Welcome Remark		Distiguished guest lecture Electromagnetic Field Observations by High-Voltage Electron Holography Tanigaki, Toshiaki		
09:15-09:30		Distiguished guest lecture Attosecond Electron Microscopy	Hassan, Mohammed			«All-in-one» Setup for Photoelectron Microscopy Tkach, Olena
09:30-09:45				Trans-switching in layered ferroelectrics: an XMLD study		Achinuq, Barat
09:45-10:00		Low-Energy Time-of-Flight Electron Characterization of 2D Materials		Konvalina, Ivo	Imaging Spin Filter for NanoESCA: from proven scattering targets towards full vectorial spin detection Patt, Marten	
10:00-10:15		Imaging material-defined optical nanogating landscapes in quasi-one-dimensional Bi4Br4		Xian, Guoyu	Break	
10:15-10:30		Break		Exchange-coupled domains in NiO/Fe3O4(001) across the Verwey transition visualized by XMCD- and XMLD-PEEM Nita, Pawel		
10:30-10:45				Ultrafast dark-field momentum microscopy of electric field gated 2D semiconductors		Bange, Jan Philipp
10:45-11:00		Quasiparticle Interference Imaged by High-Resolution Photoemission Electron Microscopy at Low Temperature		Zheng, Changxi	From Interfacial Chirality to Complex Spin Textures with Spin-Polarized Low-Energy Electron Microscopy Chen, Gong	
11:00-11:15		Epitaxial Moiré-Graphene for resonance excitonic energy exchange in Moiré -Graphene-TMDC heterostructures		Al-Mahboob, Abdullah	Nd2SrFe2O7: a layered antiferromagnetic perovskite with a twist Maccherozzi, Francesco	
11:15-11:30		Real-time LEEM/LEED visualization of graphene nanoribbon and nanoporous graphene formation on Au(111)		Procházka, Pavel	Engineering magnetism in two-dimensional magnets Duan, Hengli	
11:30-11:45		Subsurface Carbon Incorporation Controls Graphene Nucleation On Ir(111)		Mohanty, Smruti Ranjan	Emergent Magnetic Textures in Permalloy/Hematite Bilayers Rodriguez de la Fuente, Oscar	
11:45-12:00		Lunch (incl. Technology Forum)		Group photo Lunch (incl. Technology Forum)		
12:00-12:15						
12:15-12:30						
12:30-12:45						
12:45-13:00						
13:00-13:15		Registration	Distiguished guest lecture External Stimuli-Responsive Multistate Magnetic Switching in a Molecule-Based Magnet Tokoro, Hiroko		Distiguished guest lecture RF cavity-based ultrafast electron microscopy: generation of ultrashort electron pulses for time-resolved experiments at high repetition rates Borrelli, Simona	
13:15-13:30						
13:30-13:45						
13:45-14:00	Tutorial-1 ToF-PEEM and momentum microscopy Schönhense, Gerd	Studying Real-Time Processes with Liquid-Cell ONEM		Simsek, Esra	Latent image and intrinsic inhomogeneity in resists visualized by laser-based photoemission electron microscopy Fujiwara, Hirokazu	
14:00-14:15		Nanosecond pulsing of time-gated electron mirrors in a multi-pass transmission electron microscope		Reynolds, Joshua	Defect Inspection in Wide Band Gap Power Devices Khaliq, Muhammad Waqas	
14:15-14:30		Ultrafast photoelectron momentum streaking in PEEM: Access to femtosecond surface currents		Huber, David	Tracing charge carriers in organic molecular crystals using PEEM Naeimi, Moha	
14:30-14:45	Break	Observation of nanometric objects in Water by DUV Laser-PEEM		Zeng, Yanquan	LEEM/PEEM as versatile probe of functional materials for microelectronics Nemsak, Slavomir	
14:45-15:00		Break		Break		
15:00-15:15						
15:15-15:30						
15:30-15:45	Tutorial-2 Magnetism in Focus: LEEM, XPEEM, and Related Techniques Mandziak, Anna	Imaging of Curvature-Induced Magnetic States in 3D Nanostructures by XMCD- PEEM		Ruiz-Gomez, Sandra	Spatiotemporal Imaging of Current-induced Domain Wall Depinning Han, Dongxue	
15:45-16:00		Surface Magnetization in Bulk Fe3GeTe2 Ferromagnet		Sadowski, Jerzy T., Al-Mahboob, Abdullah	Real-Space Imaging of Orbital Nematicity across the phase diagram of Ba1-xNaxFe2As2 Xu, Zifan	
16:00-16:15		Magnetism in Magnetite: Temperature-Dependent Domain Structure of Fe3O4 Surfaces		Mandziak, Anna	Structural and Chemical Evolution of N-Enriched Fe(111) Surface during Near-Ambient-Pressure Ammonia Synthesis Hsueh, Jing-Wen	
16:15-16:30	Tutorial-3 High-Harmonic-Generation (HHG) Light Sources for Photoelectron Spectroscopy and Microscopy Madéo, Julien	Spin-Polarized LEED and ARRES on Fe3O4(001)		de la Figuera, Juan	Poster Session	
16:30-16:45		Using Momentum Microscopy as a Screening Tool for Many-Body Interactions in Electronic Band Structures		Røst, Håkon Ivarssønn		
16:45-17:00		Chirality and Unconventional Charge Ordering in Kagome Metal CsV3Sb5		Fedchenko, Olena		
17:00-17:15	Surface Fermi Arcs in a Chiral Magnet		Chiu, Wei-Sheng			
17:15-17:30	Welcome Reception (Ito Hall)					
17:30-17:45						
17:45-18:00						
18:00-18:30	Welcome Reception (Ito Hall)					
18:30-						

Tutorial	Oral presentation	Registration/Welcome/Close	Poster Session
Distiguished guest lecture	Student oral presentation	Break/Lunch	Banquet

Program schedule (10/8-10/9)

Oct.8 (Thu.)			Oct.9 (Fri.)			
09:00-09:15	Distiguished guest lecture Spin-on metal-oxide resists for high-NA EUV lithography: the challenges of printing and measuring the smallest resolution in high volume manufacturing	Castellanos, Sonia	Distiguished guest lecture Electrons Without Instructions: Agentic Workflows for the Next Era of Materials Characterization	Spurgeon, Steven		
09:15-09:30						
09:30-09:45						
09:45-10:00						
10:00-10:15	Virtual-Electrode LEEM for in-situ studies of Li and Na anode formation	Kwiatek-Maroszek, Natalia	Photoelectron Diffraction in the Minimum of the IMFP-Curve	Schönhense, Gerd		
10:15-10:30	Measuring spherical and chromatic aberrations in Elmitec AC-SPELEEM	Niu, Yuran	Tritium Microscopy	Asakura, Kiyotaka		
10:30-10:45	First μ LEED-IV Adsorbate Structure Analysis Solely by LEEM-based Data: Se and Te on Ru(0001)	Falta, Jens	The QSPLEEM User Instrument: Time Resolved, Low Temperature, Angle Resolved Studies of Magnetic Quantum	Stibor, Alexander		
10:45-11:00	Break		Break			
11:00-11:15	Mixed or pure: F16CuPc and CoPc on Ag(100) surfaces	Wagner, Thorsten	Dynamic synthesis and characterization of large-area high-quality borophene on metal surfaces	Wu, Rongting		
11:15-11:30	Near-edge absorption spectromicroscopy of ferroelectric BaTiO3(001)	Teodorescu, Cristian Mihail	Oxidation of single-layer antimonene	Zdyb, Ryszard		
11:30-11:45	Templating defect arrays with moiré ferroelectricity in twisted hexagonal boron nitride	Hawecker, Jacques	Closing Remark			
11:45-12:00	Growth dynamics and chemical reactivity in Sm-doped cerium oxide inverse catalytic model systems	Jan Ingo Flege				
12:00-12:15	Spatiotemporal imaging of charge transfer in photocatalyst particles with energy- and time-resolved photoemission electron microscopy	Chen, Ruotian				
12:15-12:30	4D-SEM for Spatiotemporal Imaging of Charge Carriers in Photocatalysis: From Femtoseconds to Steady-State	Zhao, Jianfeng				
12:30-12:45	Lunch					
12:45-13:00						
13:00-13:15						
13:15-13:30						
13:30-13:45						
13:45-14:00						
14:00-14:15	Coherent Band Engineering in a Bimetallic 2D Metal-Organic Framework	Grisan Qiu, Yan Yan				
14:15-14:30	Control of rotation and twist in bilayer graphene using novel faceted Cu growth substrates	Cui, Zhenhao				
14:30-14:45	Rise and fall of 1T-TaS2: Epitaxial growth of monolayer TaS2 on Au(111)	Buß, Lars				
14:45-15:00	Micro-ARPES visualization of strain-induced metallic state in 1T-TaS2	Suzuki, Shuto				
15:00-15:15	Real-space visualization of conductive holes in organic transistors by operando photoemission electron microscopy	Yoshikawa, Kosuke				
15:15-15:30	Thermionic emission and Work Function modulation on BaWO4	Gutiérrez Cuesta, Clara				
15:30-15:45	Break					
15:45-16:00	Probing Hyperbolic Plasmon Polaritons and Resonances in MoOCl2 by TR-PEEM	Li, Yaolong				
16:00-16:15	Nano-atto Imaging of Spatiotemporal Plasmonic Vortices on Chip	Dai, Yanan				
16:15-16:30	PEEM based near-field imaging of plasmonic topological nanochains	Yan, Qiuchen				
16:30-16:45	Linking extended vector wave fields with momentum space topology	Meyer zu Heringdorf, Frank				
16:45-17:00	Scenic Walk to the Banquet Venue					
17:00-17:15						
17:15-17:30						
17:30-17:45						
17:45-18:00						
18:00-						
18:00-	Banquet				Tutorial Distiguished guest lecture Oral presentation Student oral presentation Registration/Welcome/Close Break/Lunch Poster Session Banquet	

Tutorial
Distinguished guest lecture
Oral presentation
Student oral presentation
Registration/Welcome/Close
Break/Lunch
Poster Session
Banquet