

Satellite Workshop Program: Probing functionality with soft x-rays, June 21, 2023

Hybrid: HZB/Aquarium room 14.51-3303 and Zoom

Elemental excitations in solids

	Participant	Title of talk
9:00	Annette Pietzsch	Welcome
9:20	NN	Overview electron spectroscopy within UBjL
9:40	Edvin Andersson	Studying the anode interface in SPE-based batteries using in-situ deposition and SOXPES
10:00	Birgit Kamlander	Time-resolved Photoelectron Spectroscopy of Solar Cell Materials
10:20	Danilo Kühn	Exploring surface states of transition metals and their oxides with coincident electron spectroscopy at COESCA
10:40	Swarnshikha Sinha	Exploring electronic properties of Copper(Cu) via Auger Photoelectron Coincidence Spectroscopy
11:00	COFFEE BREAK	
11:20	Nomi Sorgenfrei	Photo-driven transient picosecond top-layer semiconductor to metallic phase transition in p-doped MoS ₂
11:40	Maximilian Kusch	The meV-RIXS experimental station
12:00	Chun-Yu Liu	La 5p and 4f shells as covalency descriptor
12:20	Kari Ruotsalainen	Resonant inelastic XUV scattering in correlated transition metal oxides
12:40	Katarzyna Siewierska	Magnon excitations in half-metallic Heusler ferrimagnets
13:00-14:00	LUNCH BREAK	

Active sites and dynamics in molecules and materials

14:00	Annette Pietzsch	The METRIXS beamline and spectrometer
14:20	Vinicius Vaz da Cruz	Selective vibrational excitation and hydrogen bond fluctuations in the RIXS spectra of water
14:40	Viktoriia Savchenko	Multimode nuclear dynamics of acetic acid observed via resonant X-ray scattering
15:00	COFFEE BREAK	
15:20	Régis Decker	AXSYS TES @ UE52_SGM
15:40	Mattis Fondell	AXSYS-NEXAFS, Time-resolved soft X-ray spectroscopy on liquids in transmission mode
16:00	Eric Mascarenhas	Multi-edge transient X-ray absorption investigations of the photo-aquation reaction in hexacyanometalates
16:20	Marc-Oliver Winghart	Ultrafast Soft X-ray Spectroscopy of Photoacid-Base Proton Transfer Reactions
16:40	NN	Summary
17:00	END OF WORKSHOP	