

Department of Dynamics at Surfaces Retreat and Workshop on Modern Topics in Chemical Physics

Monday, April 7, 2025

PhD students session (4:15 PM - 5:45 PM)

time	[id] title	presenter
4:15 PM	[44] The Effect of Doping in Inelastic H Atom Scattering from Silicon	OPFERMANN, Malte
4:45 PM	[45] H Atom Scattering Meets Ultrafast Laser Heating: Obstacles, Results and Simulations	SCHÖNEMANN, Anna-Maria
5:15 PM	[46] Effect of the Substrate on Hydrogen Atom Scattering from Graphene	TÖDTER, Sophia

PhD students session (8:00 PM - 8:30 PM)

time	[id] title	presenter
8:00 PM	[49] Overcoming Limitations of Quasi-Continuous Ion Imaging Experiments: Solutions Instead of Work-Arounds	GOLIBRZUCH, Kai

Tuesday, April 8, 2025

PhD students session (10:00 AM - 10:30 AM)

time	[id] title	presenter
10:00 AM	[48] Towards inelastic H atom scattering from cold metal surfaces	BÜNERMANN, Oliver

PhD students session (11:30 AM - 12:30 PM)

time	[id] title	presenter
11:30 AM	[51] Alexander Kandratsenka: Towards Nonadiabatic Dynamics Simulations of Carbon Atom Scattering from Metal Surfaces	KANDRATSENKA, Alexander
12:00 PM	[52] Kerim Benfreha: Molecular Beam Surface Scattering of O ₂ on Au(111)	BENFREHA, Kerim

PhD students session (3:00 PM - 4:00 PM)

time	[id] title	presenter
3:00 PM	[53] Hydrogen Oxidation on Platinum Surfaces – A Case of Non-Langmuir-Hinshelwood Chemistry?	NITZ, Florian
3:30 PM	[54] Rate determining processes for ammonia conversion and product formation during oxidation on Pt surfaces	HÖRANDL, Stefan

PhD students session (5:30 PM - 6:00 PM)

time	[id] title	presenter
5:30 PM	[55] Unravelling the interfacial electrolyte structure in the electrochemical double layer with THz spectroscopy and X-ray scattering experiments	FINGERHUT, Jan

Wednesday, April 9, 2025

PhD students session (10:00 AM - 10:30 AM)

time	[id] title	presenter
10:00 AM	[56] Decomposition of NO ₂ on Palladium: Investigation of the Kinetics of Oxygen and Nitrogen Atom Recombination	BREMER, Alice

PhD students session (11:00 AM - 12:30 PM)

time	[id] title	presenter
11:00 AM	[57] Advancements in Measuring the Thermal Rates of Gas-Surface Reactions	BERNARD, Mark E.
11:30 AM	[58] Styrene Epoxidation on Oxidized Silver	SCHAEFER, Tim
12:00 PM	[59] Roaming reactions of chiral aldehydes	DISSANAYAKE MUDIYANSELAGE, Rasika

Thursday, April 10, 2025

PhD students session (9:30 AM - 10:00 AM)

time	[id] title	presenter
9:30 AM	[60] Investigation of Initial Phase of Vibrational Energy Pooling of CO ₂ adsorbed on NaCl(100)	CROWLEY, Daniel

PhD students session (10:00 AM - 10:30 AM)

time	[id] title	presenter
10:00 AM	[84] Towards a Low Temperature FTIR-Spectrometer with SNSPD detector	SCHWARZER, Michael

PhD students session (11:00 AM - 12:00 PM)

time	[id] title	presenter
11:00 AM	[62] Electron Transfer Coupled Spin Transitions in Di- and Tetranuclear Fe/Co Prussian Blue Analogues Revealed by Ultrafast Spectroscopy	KANGSA BANIK, Sayan
11:30 AM	[63] CO oxidation on Rh(111)/Rh(332)	Mr DORST, Arved Cedric