

Program

Monday, September 11

11:00 – 13:00	Registration
13:00 – 13:15	Opening
Photoinduced Molecular Dynamics – PART I (Chair: Sven Schneider)	
13:15 – 14:00	Invited Talk: Oliver Wenger (Univ. Basel, CH) Energy Conversion Pathways in Metal Complexes: The Good, the Bad and the Ugly
14:00 – 14:15	Carina Allacher (Univ. Regensburg) Photogeneration and Dynamics of Selenyl Radicals in Solution
14:15 – 14:30	Simindokht Gol Kar (Univ. Göttingen) Correlation of Charge Transfer and Spin Crossover Processes in Di- and Tetranuclear Fe/Co Prussian Blue Analogues
14:30 – 14:45	Georg Träger (Univ. Göttingen) Grating Coupled Illumination with Image Recognition for Scanning Tunneling Microscopy under Highly Stable and Truly Localized Optical Excitation
14:45 – 15:15	Coffee Break
Proton-Coupled Electron Transfer – PART I (Chair: Inke Siewert)	
15:15 – 16:00	Invited Talk: Andrea Pannwitz (Univ. Ulm) Building a wall between light-driven oxidation and reduction
16:00 – 16:15	Lukas Hasecke (Univ. Göttingen) Protons are quantum particles too
16:15 – 16:30	Martijn Tepaske (Univ. Göttingen) C-H Bond Activation by Iridium(III) and Iridium(IV) Oxo Complexes
16:30 – 17:15	Invited Talk: Carole Duboc (Univ. Grenoble, FR) From H ₂ production to CO ₂ reduction with the same bio-inspired molecular catalyst
Flashtalks	
17:30 – 18:00	Jan-Hendrik Borter (MPI for multidisciplinary sciences, Göttingen) Denis Antipin (Helmholtz-Zentrum Berlin) Debankur Das (Univ. Göttingen) Leonard Schüler (Univ. Göttingen) Isabell Weimer (Univ. Göttingen) Karun Gadge (Univ. Göttingen)
18:00 – 20:30	Postersession

Program

Tuesday, September 12

Proton-Coupled Electron Transfer – PART II (Chair: Inke Siewert)	
09:00 – 09:45	Invited Talk: Yogesh Surendranath (MIT, Cambridge, USA) Understanding Interfacial Proton and Hydride Transfer
09:45 – 10:00	Yasaman Sheidaei (Univ. Göttingen) Mixed Oxy-Hydride Materials as PCET Reagents
10:00 – 10:30	Coffee Break
Photoinduced Molecular Dynamics – PART II (Chair: Sven Schneider)	
10:30 – 11:15	Invited Talk: Leticia González (Univ. Wien, A) Efficient Simulations of Photoinduced Dynamics using SHARC
11:15 – 11:45	Simone Techert (DESY Hamburg) X-ray Investigations on the Oxygen Evolution Reaction of Perovskites
11:45 – 12:30	Invited Talk: Maria Wächtler (Univ. Kaiserslautern) Charge-Carrier dynamics in colloidal semiconductor nanocrystals for light-driven catalysis
12:30 – 14:00	Lunch Break
Electron/Phonon Coupling (Chair: Fabian Heidrich-Meisner)	
14:00 – 14:45	Invited Talk: Aaron Kelly (MPI for the Structure and Dynamics of Matter, Hamburg) Revealing ultrafast phonon-mediated inter-valley scattering by simulating transient absorption and high harmonic spectroscopies
14:45 – 15:00	David Jansen (ICFO-Institut de Ciencies Fotoniques, SP) Thermal and optical conductivity in the Holstein model at half-filling and at finite temperatures
15:00 – 15:15	Sophia Tödter (Univ. Göttingen) H Atom Scattering from Graphene and Carbide on Nickel
15:15 – 16:00	Invited Talk: Manuel Weber (TU Dresden) Nonequilibrium dynamics of field-driven electron-phonon models
16:00 – 16:30	Coffee Break
Hot carriers/Hot polarons (Chairs: Peter Blöchl, Christian Jooss)	
16:30 – 17:15	Invited Talk: Maria A. Loi (Univ. Groningen, NL) Long-lived hot-carrier light emission in Sn halide perovskites
17:15 – 17:30	Annika Dehning (Univ. Göttingen) Illumination dependent hot polaron photovoltaics in strongly correlated perovskite oxides
17:30 – 17:45	Michael ten Brink (Univ. Göttingen, Univ. Clausthal) Polaronic microstructure in a manganite with strongly correlated electrons, phonons and spins
17:45 – 18:30	Invited Talk: Ernest Pastor (CNRS–Centre national de la recherche scientifique, IPR–Institut de Physique de Rennes, FR) Optical Control of Polarons in Functional Solids
19:30	Conference Dinner

Program

Wednesday, September 13

Correlations in driven states at Interfaces – PART I (Chair: Christian Jooss)	
09:00 – 09:45	Invited Talk: Thomas W. Hansen (DTU Nanolab, DK) Real-Time Monitoring of Structural Dynamics
09:45 – 10:00	Jasnamol Palakkal (Univ. Göttingen) Effect of valence electrons on the core level x-ray photoelectron spectra of partially oxidized 4d refractory metals
10:00 – 10:15	Knut Nikolas Lausch (Univ. Bochum) Investigations of lithium manganese oxides using high-dimensional neural networks
10:15 – 10:30	Omeshwari Bisen (HZB Berlin & Univ. Göttingen) LiMn ₂ O ₄ as a model system to understand the Mn dissolution mechanism during water oxidation
10:30 – 11:00	Coffee Break
Correlations in driven states at Interfaces – PART II (Chair: Christian Jooss)	
11:00 – 11:45	Invited Talk: Eric Stach (Univ. of Pennsylvania, USA) Visualizing Phase Transformations for Optical Engineering in 2D Materials Superlattices
11:45 – 12:00	Jonas Lindner (Univ. Göttingen) Reconstruction of Ångström resolution exit-waves by the application of drift-corrected phase-shifting off-axis electron holography for in-situ studies of platinum in gas environment and applied potential
12:00 – 12:15	Tobias Meyer (Univ. Göttingen) Oxide surfaces during electrochemical water oxidation: From surface ad-atom dynamics to defect chemistry
12:15 – 13:00	Invited Talk: Jim Ciston (Berkeley Lab, USA) Probing interfaces through ptychographic depth sectioning and Machine Learning guided EELS
13:00 – 14:00	Lunch Break
Correlations in 2-D Materials – PART I (Chair: Thomas Weitz)	
14:00 – 14:45	Invited Talk: ChunNing Lau (Ohio State Univ., USA) Quantum Geometry and Subbands in 2D Materials
14:45 – 15:00	Anna Seiler (Univ. Göttingen) Correlated phases in the vicinity of tunable van Hove singularities in Bernal bilayer graphene
15:00 – 15:45	Invited Talk: Abhay N. Pasupathy (Brookhaven National Laboratory, Upton NY, USA) Light-induced electronic structure changes in 2D semiconductors
16:30	Guided Tour through Göttingen

Program

Thursday, September 14

Correlations in 2-D Materials – PART II (Chair: Thomas Weitz)	
09:00 – 09:45	Invited Talk: Klaus Ensslin (ETH Zürich, CH) Energy gaps and correlations in twisted graphene layers
09:45 – 10:00	Marco Merboldt (Univ. Göttingen) Far-from-equilibrium electron-phonon interactions in optically-excited graphene
10:00 – 10:45	Invited Talk: Jurgen Smet (MPI SSR Stuttgart) Unconventional superconductivity and finite momentum pairing in a centro-symmetric bilayer
10:45 – 11:15	Coffee Break
Photoinduced Phase Transitions – PART I (Chair: Stefan Mathias)	
11:15 – 12:00	Invited Talk: Daniele Fausti (Univ. Erlangen) Quantum spectroscopies for quantum materials
12:00 – 12:15	Banhi Chatterjee (Jozef Stefan Institute, Ljubljana, Slovenia) Ground state symmetries and collective modes in Ta ₂ NiSe ₅ - an excitonic insulator candidate
12:15 – 13:15	Lunch break
Photoinduced Phase Transitions – PART II (Chair: Stefan Mathias)	
13:15 – 14:00	Invited Talk: Isabella Gierz (Univ. Regensburg) Influence of twist angle on ultrafast charge separation in WS ₂ -graphene heterostructures
14:00 – 14:15	Jan Philipp Bange (Univ. Göttingen) Probing correlations in the exciton landscape of a WSe ₂ /MoS ₂ heterobilayer
14:15 – 15:00	Invited Talk: Ulrich Höfer (Univ. Marburg) Buildup and dephasing of Floquet-Bloch bands on subcycle time scales
15:00 – 15:15	Closing