

OePG-CMD-JOINTMEETING 2026

75th Annual Meeting of the Austrian Physical Society

and

32nd Meeting of the Condensed Matter Division
of the European Physical Society

20 - 25 September 2026

University of Graz, Graz Center of Physics, Graz, Austria

Preliminary Program – OePG



Plenary Talks

- Plenary 1: **Heike Riel**, IBM Research Zürich, Switzerland
tba
- Plenary 2: **Jairo Sinova**, Johannes Gutenberg Universität Mainz, Germany
Unconventional Magnetism: The Emergence of Altermagnetism and Beyond
- Plenary 3: **Reinhard Maurer**, University of Vienna, Austria
Deus ex Machina: Augmenting First Principles Theory with Machine Learning Methods
- Plenary 4: **Lyderic Bocquet**, CNRS and Ecole Normale Supérieure, Paris, France
The Molecular Mechanics of Fluids
- Plenary 5: **Rupert Huber**, University of Regensburg, Germany
Subcycle Videography of Electronic Quantum Motion
- Plenary 6: **Anna Maria Coclite**, University of Bari, Italy
Piezoelectric Thin Films Deposited from the Vapor Phase for Smart Sensors and Beyond
- Plenary 7: **Michael Pepper**, University College London, UK
Electronic Conduction in 1D – The 0.7 and Fractions in the 1D-2D Transition
- Plenary 8: **John Seddon**, Imperial College London, UK
Inverse Bicontinuous and Discontinuous Lyotropic Liquid Crystal Phases of Lipids: From Bulk Phases, to Lipid Nanoparticles
- Plenary 9: **Emanuel Gull**, University of Warsaw, Poland
Let's Get Real - Adapting the Toolkit of Many-Body Theory to Realistic Material Simulation
- Plenary 10: **Alexander Shapiro**, University of Graz, Austria
Understanding Stellar Magnetic Activity Through Solar Physics
- Plenary 11: **Edda Gschwendtner**, CERN, Switzerland
Next-Generation Particle Accelerators: Overview and Outlook
- Plenary 12: **Harald Reichert**, DESY, Hamburg, Germany
tba
- Plenary 13: **David Degerman**, Stockholm University, Sweden
Towards Realistic Pressures in X-ray Photoelectron Spectroscopy Applied to Heterogenous Catalysis - And What That Has Taught Us So Far
- Plenary 14: **tba**
tba

Semi-Plenary Talks

Semi-Plenary 1: **Yves Geerts**, Free University of Brussels, Belgium

Spin-Directed Chiral Symmetry Breaking

Semi-Plenary 2: **Pawel Kowalczyk**, University of Lodz, Poland

Peculiar Phenomena of 2D World from Surface Science Perspective

Semi-Plenary 3: **Ana Akrap**, University of Zagreb, Croatia

Magnetically Controlled Optical Effects in Eu-Based Conductors

Semi-Plenary 4: **Harald Giessen**, University of Stuttgart, Germany

3D Printed Micro-Optics: Fundamentals and First Hallmark Applications

Semi-Plenary 5: **Dominik Juraschek**, Eindhoven University of Technology, The Netherlands

Chiral Phononics: A New Approach to Angular Momentum in Solids

Semi-Plenary 6: **Stefan Rotter**, TU Wien, Austria

Fisher Information in Electromagnetism

OePG Divisions and Sections

- AKCP – Equal Opportunities in Physics
- AKU – Acoustics
- AMP – Atoms, Molecules, Quantum Optics and Plasmas
- COND – Condensed Matter
- EnS – Energy and Sustainability
- FAKT – Nuclear and Particle Physics
- GEP – History of Physics
- LHS – Physics and School
- MBU – Physics in Medicine, Biology and Environment
- NESY – Physics of Neutron and Synchrotron Radiation Sources
- OGD – Surfaces, Interfaces and Thin Films
- PIN – Physics - Industry
- YM – Young Minds

Special Events

- AWS – Award Winner Session and ERC
- OeAW – Young Academy of the Austrian Academy of Sciences

Preliminary Program

	Monday (09/21)	Tuesday (09/22)	Wednesday (09/23)	Thursday (09/24)	Friday (09/25)
	MORNING	MORNING	MORNING	MORNING	MORNING
08:30-09:00	Opening				
09:00-10:00	Plenary 1	Plenary 4	Plenary 7	Plenary 10	Plenary 13
	Riel	Bocquet	Pepper	Shapiro	Degerman
09:00-10:00	Plenary 2	Plenary 5	Plenary 8	Plenary 11	Plenary 14
	Sinova	Huber	Seddon	Gschwendtner	tba
10:00-10:30	Coffee break	Coffee break	Coffee break	Coffee break	Coffee break
10:30-12:30	Excursions	Award Ceremony	Sessions	Sessions	Sessions
	Excursions	Award Ceremony	Award winners and ERC FAKT/2	OeAW NESY/1 PIN FAKT/3	OGD/4 COND/4 YM/3
12:30-13:30	Break	Break	Break	Break	Closing remarks
13:30-14:30	Posters (PS1)	Posters (PS1)	Posters (PS2) OePG General Assembly	Posters (PS2)	Basisgruppe Physik – Event for Scholars
	AFTERNOON	AFTERNOON	AFTERNOON	AFTERNOON	
14:30-15:30	Plenary 3	Plenary 6	Plenary 9	Plenary 12	
	Maurer	Coclite	Gull	Reichert	
14:30-15:00	Semi-Plenary 1	Europhysics Prize	Semi-Plenary 3	Semi-Plenary 5	
	Geerts	tba	Akrap	Juraschek	
15:00-15:30	Semi-Plenary 2		Semi-Plenary 4	Semi-Plenary 6	
	Kowalczyk		Giessen	Rotter	
15:30-16:00	Coffee break	Coffee break	Coffee break	Coffee break	
16:00-18:00	Sessions	Sessions	Sessions	Sessions	
	AKCP/1 AMP ENS GEP MBU	AKCP/2 COND/1 FAKT/1 LHS OGD/1	COND/2 OGD/2 YM/1	COND/3 NESY/2 OGD/3 YM/2	
Sunday (09/20)	OePG Board Meeting 18:00-19:30				
Registration and Reception 16:00-20:00		Public Talk 18:30-19:30	Conference Dinner 19:00-22:00		

Poster Session PS1: AKCP AMP MBU

Poster Session PS2: COND FAKT NESY OGD YM

AKCP - Equal Opportunities in Physics

AKCP – Session 1 (Mon 21, 16:00-18:00, Chair: Ille Gebeshuber)			
ID	Title	Speaker	Type
	Berta Karlik Poster Award Session		

AKCP – Session 2 (Tue 22, 16:00-18:00)			
ID	Title	Speaker	Type
817	Navigating the Physics Landscape: My Personal Path to Empowering Equality	Manuela Stadlober-Temmer	Invited talk (30 min.)
151	GENERA Network: 10 years Exchange and Activities on Gender Equality in Physics in Europe	Thomas Berghoefer	Invited talk (30 min.)
254	Physics Needs Everyone: The Atom*innen Platform as a Tool for Equity and Change	Karoline Irschara	Invited talk (30 min.)
490	Progress towards Th-229 Nuclear Clock Development	Ira Morawetz	Invited talk (30 min.)

AKCP – Poster session (PS1 Mon21-Tue22)			
ID	Title	Presenter	Type
46 P031	TUgether ohne Barrieren: A Physics-Informed Approach to Inclusive Academic Environments with a Focus on Twiceexceptional Individuals	Ille C. Gebeshuber	Poster

AMP - Atoms, Molecules, Quantum Optics and Plasmas

AMP – Session 1 (Mon 21, 16:00-18:00)			
ID	Title	Speaker	Type
348	Subcycle Electron-Electron Correlation Effects on High-Harmonic Generation	Katharina Buczolich	Contributed talk (15 min.)
624	Input-Output Pulse Description of the SUPER Excitation Scheme	Johannes Kerber	Contributed talk (15 min.)
130	Vibrationally Induced Resonances in Few-Emitter Lasing	Christian Schäfer	Contributed talk (15 min.)
619	Efficient Variational Dynamics of Open Quantum Bosonic Systems via Automatic Differentiation	Francesco Carnazza	Contributed talk (15 min.)
690	Free Expansion of a Charged Nanoparticle via Electrostatic Compensation	David Steiner	Contributed talk (15 min.)
117	Towards Trapping and Cooling Techniques for Levitated Dielectric and Biological Nanoparticles	Stefan Schrems	Contributed talk (15 min.)
207	Measurements of Positronium Compound Binding Energies	Ross Edward Sheldon	Contributed talk (15 min.)
131	Prediction of Molecular Single-Photon Emitters: A Materials-Modeling Approach	Christian Schäfer	Contributed talk (15 min.)

AMP – Poster session (PS1 Mon21-Tue22)			
ID	Title	Presenter	Type
101 P032	Bichromatic Laser Deceleration and Cooling of Hot Positronium	Barna Mendei	Poster
384 P033	Ultrafast Optical Field Sampling in Ambient Air	Jakob Bancalari	Poster
637 P034	Low Energy Crossed Beam Scattering of Cationic Noble Gases on Furan	Christian Sprenger	Poster
436 P035	All-Optical Hyperfine Qudit Gates in Trapped Neutral Atoms	Johannes Krondorfer	Poster

COND - Condensed Matter

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COND – Session 1 (Tue 22, 16:00-18:00)			
ID	Title	Speaker	Type
242	Excess quasiparticles and their dynamics in the presence of subgap states	Gianluigi Catelani	Contributed talk (16:00-16:15)
372	Unveiling Topological Surface States through Planar Hall Signatures in exfoliated ZrTe ₅ flakes	Sophia Hollweger	Contributed talk (16:15-16:30)
486	Superconducting Properties of Bi-2212 Films with Thickness Below 50 nm	Bernd Aichner	Contributed talk (16:30-16:45)
703	Entropy mapping under uniaxial pressure utilizing the elastocaloric effect	Zhenhai Hu	Contributed talk (16:45-17:00)
442	Thickness Dependence of Transport Properties in Superconducting MgB ₂ Thin Films	Clemens Schmid	Contributed talk (17:00-17:15)
302	Superconductivity in Ni–Bi Bilayer Thin Films: Evidence for Anisotropic Strong-Coupling Pairing	Sulagna Dutta	Contributed talk (17:15-17:30)
727	Development of a Superconducting Bloch Transistor	Rais Shaikhaidarov	Contributed talk (17:30-17:45)

COND – Session 2 (Wed 23, 16:00-18:00)			
ID	Title	Speaker	Type
94	Structural reconstruction as the origin of the cuprate pseudogap	Aline Ramires	Contributed talk (16:00-16:15)
197	Influence of Nesting on the performance of the Two-Particle Self-Consistent plus Dynamical Mean-field Theory Approach	Xaver Christian Landerl	Contributed talk (16:15-16:30)
596	Microscopic mechanism and optical control of charge order in Kagome metals	Yun Yen	Contributed talk (16:30-16:45)
244	GQCA for the Mott Transition in Titanate/Vanadate Alloys	Luka Wibmer	Contributed talk (16:45-17:00)
340	Evolution of Electronic, and Magnetic Properties of Intercalated 2H-NbS ₂ and 2H-TaS ₂	Gaurav Pransu	Contributed talk (17:00-17:15)
165	Dual-Ion Magneto-Ionics in Nanoporous Pd ₇₅ Co ₂₅ Alloy	Stefan Eber	Contributed talk (17:15-17:30)
304	Investigation of Spin-Polaron Breakdown in the Single-Hole Doped Two-Dimensional t-t'-Jz Model	Matthias Bernhart	Contributed talk (17:30-17:45)
122	Topological Hall Response from Canted Antiferromagnetic Order in d- Electron Kagome Systems	Waquar Ahmed	Contributed talk (17:45-18:00)

COND – Session 3 (Thu 24, 16:00-18:00)			
ID	Title	Speaker	Type
182	The areal rate of Zitterbewegung: Relation between Zitterbewegung chirality and Berry curvature (withdrawn)	Sonja Predin	Contributed talk (16:00-16:15)
292	Entanglement Structures in Topological Phases of Matter	Bishal Kumar Ghosh	Contributed talk (16:00-16:15)
386	Highly Excited 2DEG in a Driven Cylindrical FIR-Photon Cavity	Wen-Hsuan Kuan	Contributed talk (16:15-16:30)
47	Angular-momentum-selective nanofocusing with Weyl semimetals	Marco Peluso	Contributed talk (16:30-16:45)
668	Topological markers for a one-dimensional fermionic chain coupled to a single-mode cavity	Anna Ritz-Zwilling	Contributed talk (16:45-17:00)
497	Semiclassical Wave-Packet Dynamics: Quantum-Metric Effects	Luca Maranzana	Contributed talk (17:00-17:15)
556	Observation of the Charge Density Wave Excitonic Order Parameter in Topological Insulator Monolayer WTe ₂	Iolanda Di Bernardo	Contributed talk (17:15-17:30)
275	From Solutions to Plasmonic Nanostructures: a Quantum Embedding Framework for Molecular Response Properties	Alberto Barlini	Contributed talk (17:30-17:45)

COND – Session 4 (Fri 25, 10:30-12:30)			
ID	Title	Speaker	Type
459	Elucidating the Origin of Guest-Induced Phase Transformations in a Flexible Metal-Organic Framework Through Experiment and Theory	Peter Hartmann	Contributed talk (10:30-10:45)
621	Discovery of Sustainable Energy Materials via the Machine-Learned Material Space	Erich Runge	Contributed talk (10:45-11:00)
34	Strain engineering quantum properties on 2D materials	Reyes Calvo	Contributed talk (11:00-11:15)
278	Temperature-modulated dilatometry as a tool for studying precipitation kinetics in alloys	Marcel Simhofer	Contributed talk (11:15-11:30)
523	Materials discovery with ephemeral data derived potentials	Peter Cooke	Contributed talk (11:30-11:45)
367	Numerical Study of Randomness-Induced Rounding of a First-Order Phase Transition in Liquid-Crystal Models	Rei Amano	Contributed talk (11:45-12:00)
410	Breakdown of linear response in the recoil dynamics of a colloid in viscoelastic media	Jose Rafael Bordin	Contributed talk (12:00-12:15)

COND – Posters (PS2 Wed23-Fri25)			
ID	Title	Presenter	Type
701 P083	Fast Many-Body Total Energy Calculations Using Approximate Impurity Solvers in DFT+DMFT	Michael Stadtmann	Poster
282 P084	Unveiling Topology with Non-Linear Hall Effect	Helena Silva	Poster
510 P085	Multi-orbital physics in inverse Lieb lattice altermagnets	Jannik Gondolf	Poster
298 P086	Optimal Local Orbitals: A Systematic Approach for Accurate Wavefunction Representation	Ann Chantal Goutier	Poster
72 P087	Directed autonomous motion of active Janus particles induced by wall-particle alignment interactions	Poulami Bag	Poster
39 P088	Field free Josephson diode effect using unconventional magnets	Lovy Sharma	Poster
577 P089	Quasi 2D altermagnets and multi-ferroic altermagnets BiFeO ₃	Florette Fobasso	Poster
561 P090	Fabrication of Dense Li-Ion-Conducting Li ₃ xLa _{2/3-x} TiO ₃ Perovskite Ceramics for Electrochemical Devices	Mikhail Bunevich	Poster
819 P091	Impact of Vanadium Doping on Magnetic Properties and Curie Temperature of HgTe: Heisenberg Model and GGA Study	Mohamed Baidou	Poster

EnS – Energy and Sustainability

EnS – Session 1 (Mon 21, 16:00-18:00)			
ID	Title	Speaker	Type
597	Supporting Sustainable Heat Pump Deployment through Integrated Planning and Visualization Tools	Christoph Reichl	Contributed talk (15 min.)
231	Advanced Safety Concepts for R290 Heat Pumps in Residential Applications	Stephan Preisinger	Contributed talk (15 min.)
598	A Database-Driven Approach to Low-Noise Heat Pump Deployment for Sustainable Building Energy Systems	Christoph Reichl	Contributed talk (15 min.)
743	III-Nitride Solar Cells: Integrating Advanced Device Physics with Techno-Economic Strategy for Global Energy Transition	Zine eddine Kaddeche	Contributed talk (15 min.)

FAKT - Nuclear and Particle Physics

FAKT – Session 1 (Tue 22, 16:00-18:00)			
ID	Title	Speaker	Type
726	Track Reconstruction with ACTS in Modern High-Energy Physics Experiments	Alexander J Pflieger	Contributed talk (15 min.)
398	An Intense Antihydrogen Beam for Hyperfine Spectroscopy	ASACUSA-Cusp Collaboration	Contributed talk (15 min.)
270	GRASIAN: Progress Toward Observing Gravitational Quantum States of Atoms	Victoria Kletzl-Teuffenbach	Contributed talk (15 min.)
269	Probing Short Range Interactions with Whispering Gallery States of Neutrons and Hydrogen Atoms	Katharina Schreiner	Contributed talk (15 min.)
379	Low Energy Antiproton Annihilations on Nuclei	Viktoria Kraxberger	Contributed talk (15 min.)
332	Status and Recent Developments of the NUCLEUS Experiment	Lorenzo Valla	Contributed talk (15 min.)

FAKT – Session 2 (Wed 23, 10:30-12:30)			
ID	Title	Speaker	Type
722	Searches for Long-Lived Particles at the Upsilon(4S)	Abi Soffer	Contributed talk (15 min.)
643	Glueballs and Mesons from Functional Equations	Markus Huber	Contributed talk (15 min.)
446	Quantum Simulation of Generalized Parton Distributions: A Qudit-Based Approach	Florian Hechenberger	Contributed talk (15 min.)
470	Hadron Structure from Contour Deformations	Eduardo Ferreira	Contributed talk (15 min.)
314	$\Lambda_c(2595)$ at Belle II: Extending Event Generation with Herwig	Cristhian Xavier Brito Ricaurte	Contributed talk (15 min.)
444	Higher-Spin Baryons with Functional Methods	Luca Oberguggenberger	Contributed talk (15 min.)

FAKT – Session 3 (Thu 24, 10:30-12:30)			
ID	Title	Speaker	Type
354	What is Negative Coupling Field Theory?	Paul Romatschke	Contributed talk (15 min.)
381	The FMS Mechanism as a Tool for Semiclassical Calculations in Quantum Gauge Theories	Axel Torsten Maas	Contributed talk (15 min.)
392	Temporal and Spatial Structures in the Sauter-Schwinger Effect	Matthias Diez	Contributed talk (15 min.)
256	Kernels and Cycles in Real Time Complex Langevin	Enno Carstensen	Contributed talk (15 min.)
311	The Analytic Structure of the Quark Propagator for Timelike Momenta	Felix Halbwedl	Contributed talk (15 min.)
695	Infrared Quark–Gluon Vertex and Pion Structure in Minkowski Space	Vinícius Raimundo	Contributed talk (15 min.)

FAKT – Poster session (PS2 Wed23-Fri25)			
ID	Title	Presenter	Type
308 P092	Far Field Measurements of Gravitational Quantum States of Cold Atomic Hydrogen	Melanie Federer	Poster
493 P093	Free Neutron Decay with PERC - A status Update	Johannes Maximilian Schilberg	Poster
438 P094	Chiral Restoration and Deconfinement in Finite-Temperature Quenched $SU(3)$	Alireza Sharifian	Poster

GEP - History of Physics

M06 – Session 1 (Mon 21, 16:00-18:00, Chair: Bruno Besser)			
ID	Title	Speaker	Type
52	A Brief History of Victor Weisskopf, a Unique 20th Century Physicist	Walter Kutschera	Invited talk (60 min.)
640	Astronomical Use of Camera Obscura to Monitor Solar Eclipses before Telescope's Area	Mohammed Boudjada	Contributed talk (20 min.)
707	The Mystery of Boltzmann's Bizekel	Heinz Krenn	Contributed talk (20 min.)
710	Peter Apian - A Pioneer in Astronomical Instrumentation	Sonja Draxler	Contributed talk (20 min.)

LHS – Physics and School

LHS – Session 1 (Tue 22, 16:00-18:00, Chairs: Alexander Strahl and Susanne Neumann)			
ID	Title	Speaker	Type
808	Preisträgervorträge der VWA-Preisträgerinnen und -Preisträger der ÖPG 2026	VWA-PreisträgerInnen	Contributed talk (5 x 10 min.)
809	Vorstellung des IYPT Tournament	IYPT-TEAM	Contributed talk (15 min.)
810	Vorstellung der Physikolympiade	PO-Team	Contributed talk (15 min.)

MBU - Physics in Medicine, Biology and Environment

MBU – Session 1 (Mon 21, 16:00-18:00)			
ID	Title	Speaker	Type
505	Predicting Allostery, the “Second Secret of Life”	Sandro Keller	Contributed talk (15 min.)
458	Large-Volume Plasma Focused Ion Beam Tomography of Mast Cells: Workflow, Optimization, and Applications	Heiko Groiss	Contributed talk (15 min.)
464	AI-Based Gait Analysis as a Dynamical System: Integrating Stability, Variability, and Expression in Human Movement	Peter Hüttner	Contributed talk (15 min.)
631	Metabarcoding as a Key Tool to Demonstrate Natural Attenuation of HTF via Denitrification	Norbert Nägele	Contributed talk (15 min.)

MBU – Poster session (PS1 Mon21-Tue22)			
ID	Title	Presenter	Type
114 P036	Computational Mechanistic Study of Anticancer Drug Encapsulation in Nanotubes	Mansoor Alshehri	Poster
162 P037	Computation of a Consistent System Matrix for Cone-Beam Computed Tomography	Josef Simbrunner	Poster
175 P038	Traction Force Microscopy for Probing Mechanical Signatures of Breast Cancer Progression	Jose L. Toca-Herrera	Poster
268 P039	The Role of Carotenoid-Protein Interactions for the Colour Change of Grasshopper Wings	Eva Pichler	Poster
371 P040	Near-field to Far-field: Evolution of Optical Fields in Butterfly Distal Optics	Mahdi khodadadi karahroudi	Poster

NESY - Physics of Neutron and Synchrotron Radiation Sources

NESY – Session 1 (Thu 24, 10:30-12:45, Chair: Herwig Michor)			
ID	Title	Speaker	Type
184	Peak Performance: What the Dancing Peaks in Operando Small-Angle X-ray Data Reveal About Charge Storage in MOF-Based Supercapacitors	Malina Seyffertitz	Contributed talk (30 min.)
516	Analysis of PERKEO III	Alberto José Saavedra García	Contributed talk (15 min.)
748	The HF-SAXS and HB-SAXS Beamlines at ELETTRA2.0	Heinz Amenitsch	Contributed talk (15 min.)
453	Synchrotron X-ray Scattering Studies following in-situ the Temperature Dependent Aggregation States of 1D fibrils	Rainer T. Lechner	Contributed talk (15 min.)
454	Small Angle X-ray Scattering and Visible Spectroscopy Studies of Photoactive Systems using a Tailored Microfluidic Device	Benedetta Marmioli	Contributed talk (15 min.)
141	Characterization of Power and Spatial Beam Properties at the PTB DWL20 Synchrotron Beamline	Hans Kirschner	Contributed talk (15 min.)
633	Absolute Configuration Assignment from a Single Reflection using Resonant X-ray Diffraction	Anmol Andotra	Contributed talk (15 min.)
404	Spin-Pumping and Induced Magnetic Polarization in Permalloy/Platinum Heterostructures	Verena Ney	Contributed talk (15 min.)

NESY – Session 2 (Thu 24, 16:00-18:15, Chair: Andreas Ney)			
ID	Title	Speaker	Type
	Introduction		(15 min.)
789	Fourth Generation Synchrotron Sources: A Quantum Leap for Matter Exploration. The Example of the ESRF Extremely Brilliant Source	Jean Dailant	Invited talk (30 min.)
680	Spatiotemporal Nanoscale Strain Analysis of Functional Materials at ESRF and PETRA III	Jozef Keckes	Invited talk (30 min.)
786	A Hybrid Machine Learning and Atomistic Modeling Approach for the Design of de novo Enzymes	Gustav Oberdorfer	Invited talk (30 min.)
513	Structure and Relaxation Dynamics of Ionic Liquid at Interfaces and in Confinement	Markus Mezger	Contributed talk (15 min.)
538	Quantifying Nanoscale Electrochemical Conversion Through Machine Learning-Assisted Operando Small-Angle Scattering	Christian Prehal	Contributed talk (15 min.)

NESY – Poster session (PS2 Wed23-Fri25)			
ID	Title	Presenter	Type
60 P095	Finding Crystal Orientation in Uniplanar Textures	Josef Simbrunner	Poster
301 P096	Crystalline Electric Field Studies of RNiC ₂	Danny Milosavljevic; Herwig Michor	Poster
729 P097	Nanoscale Investigation of Heavy Metal Uptake in Two Bryophytes by Simultaneous nano-SRXRF and SAXS	Matthias Weinberger	Poster
496 P098	In situ Phase-Contrast Microtomography Experiments at the BEATS Beamline of the SESAME Synchrotron	Fareeha Hameed	Poster

OGD - Surfaces, Interfaces and Thin Films

OGD – Session 1 (Tue 22, 16:00-18:00)			
ID	Title	Speaker	Type
644	Atomically Defined On-Surface Synthesis of Multilayer Metal-Organic Frameworks	Zdenek Jakub	Contributed talk (15 min.)
738	Computational Insight into CO Binding at On-Surface 2D MOFs: Fe-N ₃ versus Fe-N ₄ Single-Atom Sites	Jakub Planer	Contributed talk (15 min.)
215	Dynamic Behavior and Functional Responses in Stimuli-Responsive Metal-Organic Frameworks	Sumea Klokic	Contributed talk (15 min.)
688	Influence of the Metal Ion on the Metal-Phthalocyanine Adsorption on Indium Oxide	Viktoria Waidbacher	Contributed talk (15 min.)
617	Infrared and Photoemission Spectroscopic Investigation of Small Copper Clusters and Their Oxidation States on Ag(100) and MgO/Ag(100) Surfaces	Jacob Harrich	Contributed talk (15 min.)
613	Seeding the Vertical Growth of Laterally Coherent Coordination Polymers on the Rutile-TiO ₂ (110) Surface	Claudia Obersnu	Contributed talk (15 min.)
440	Unidirectional Motion of Single Molecules	Grant Simpson	Contributed talk (15 min.)
86	On-Surface Coupling of Feringa-Type Molecular Motors	David Le	Contributed talk (15 min.)

OGD – Session 2 (Wed 23, 16:00-18:00)			
ID	Title	Speaker	Type
747	Atomic-Scale Optical Microscopy with Continuous-Wave Mid-Infrared Light	Yaroslav Gerasimenko	Contributed talk (15 min.)
581	Online Monitoring of the Oxygen Adsorption on Cu(110) with PEEM and DRS	Robert Heller	Contributed talk (15 min.)
735	Thermal Activation of CO ₂ on Fe ₂ O ₃ (012)	Johannes Filzmoser	Contributed talk (15 min.)
661	Environmental Stability of Model Single-Atom Catalysts	Florian Kraushofer	Contributed talk (15 min.)
716	Hydrogen Activation via Dihydride Formation on a Rh ₁ /Fe ₃ O ₄ (001) Single-Atom Catalyst	Gareth Parkinson	Contributed talk (15 min.)
365	Simplifying Surface Structure Search by LEED I(V)	Michael Schmid	Contributed talk (15 min.)
448	Nonadiabatic Energy Loss in Hyperthermal Gas-Surface Scattering: Going Beyond the Mean Field Approximation	Ash Baldwin	Contributed talk (15 min.)
449	Interface Engineering by ALD-PVD Supercycles: Materials-by-Design Strategy for Photo(electro)catalysis	Alberto Perrotta	Contributed talk (15 min.)

OGD – Session 3 (Thu 24, 16:00-18:00)			
ID	Title	Speaker	Type
295	Manipulation of Atomically Precise Nanostructures from Single Atoms and Molecules	Nikita G. Osipov	Contributed talk (15 min.)
616	Correlation-Driven d-Band Modifications Promote Chemical Bonding at 3d-Ferromagnetic Surfaces	Giovanni Zamborlini	Contributed talk (15 min.)
654	Exploring Correlation-Driven Adsorption on Oxygen-Passivated Fe(001) with DFT+U	Andreas Windischbacher	Contributed talk (15 min.)
426	Adsorption-Induced Modification of the Surface Resonant Vibrational Response on Cu(110)	Sarang Bhasme	Contributed talk (15 min.)
243	Excited State Population Transfer Dynamics in Squaraine Microtextured Thin Films Investigated with Femtosecond Transient Absorption	Patricia Magdalena Brugger	Contributed talk (15 min.)
663	Orientation Control in MOF Thin Films: Spin-Assisted LbL-LPE Growth probed by GIWAXS	Eleonora Afanasenko	Contributed talk (15 min.)
632	Deracemization in 1,1' - Binaphthyl Thin Films and Electronic Circular Dichroism	Sanjay John	Contributed talk (15 min.)
526	Current-Driven Rb ⁺ Intercalation for On-Chip Tuning of Superconductivity in Rb _x C ₆₀ Thin Films	Konstantin P. Shchukin	Contributed talk (15 min.)

OGD – Session 4 (Fri 25, 10:30-12:30)			
ID	Title	Speaker	Type
625	Investigating the Kinetics of Porphyrin Self-Metalation on Ultrathin MgO: The Role of Charge Transfer	Francesco Presel	Contributed talk (15 min.)
157	In situ Characterization of Nanoporous Copper Evolution during Electrochemical Dealloying	Samuel Graf	Contributed talk (15 min.)
378	Machine-Learning Potentials for Nano-Mechanical Simulations of Defective Ceramics: A Case Study of Transition Metal Diborides	Chunhui Du	Contributed talk (15 min.)
614	An Ultra-Thin Body SiGeSn Transistor for Cryogenic Electronics	Paul Krajczek	Contributed talk (15 min.)
565	Contact Forces in Microgel Suspensions	Fran Ivan Vrbán	Contributed talk (15 min.)
535	Mesoscopic Simulations of Thin liquid Films: A Lattice Boltzmann Approach to Wetting and Fluctuations	Stefan Reimann-Zitz	Contributed talk (15 min.)

OGD – Poster session (PS2 Wed23-Fri25)			
ID	Title	Presenter	Type
759 P099	Microscopic and Spectroscopic Study of Pt and Ni Clusters on Pd(100)-Supported MoO ₃ Model Thin Films	Karl Glaser	Poster
639 P100	Tuning Electronic Properties in 2D Covalent Organic Frameworks via On-Surface Chemistry	Mira Sophie Arndt	Poster
334 P101	Porphyrin Derivatives on Graphene Studied by STM	Asma Khizar	Poster
560 P102	ZnFe ₂ O ₄ -Based Electrochemical Sensors for Environmental Monitoring	Hryhory Rymski	Poster
42 P103	The Transient Phase of 1,1' Binaphthyl	Sanjay John	Poster
255 P104	Self-Organized Surface Nanopatterning Induced by Ion Irradiation	Denise Erb	Poster
366 P105	Fluorination Effects in Heptacene: From Gas Phase to Metal Interfaces	Narjes Taghizadeh Rahaghi	Poster
439 P106	Electric Field Effects on the Adsorption of Redox Couples at Membrane Interfaces	Agnes Maria Weiß	Poster
541 P107	Orthogonally Oriented Molecular Motors Assembled on the Surface: from Liquid-Solid to Ultrahigh Vacuum	Robby Reynaerts	Poster
599 P108	Deposition and Structural Characterization of Sol Gel Derived CeO ₂ :Ni Films	Yasemin Caglar	Poster
600 P109	Nickel Doped Cerium Oxide Films: Morphology and Optical Study	Mujdat Caglar	Poster
601 P110	Investigation of Optical and Surface Properties of Ce-Doped NiO Thin Films Fabricated by Spin Coating Method	Tülay Hurma	Poster
611 P111	Coordination, Geometry and Electronic Properties of a Bimetallic Porphyrin-Based Two-Dimensional Metal-Organic Framework on Au(100)	Olga Resel	Poster
686 P112	Growth Study of Magnesium Oxide Islands and Thin Films on Ag(001)	Maximilian Laßhofer	Poster

PIN - Physics - Industry

PIN – Session 1 (Thu 24, 10:30-12:30, Chairs: Peter Korczak / Christian Teissl)			
ID	Title	Speaker	Type
504	Bridging Academic and Applied Physics: A Career in an RTO	Borislav Hinkov	Invited talk (20 min.)
127	Large Area Micro and Nanopatterning in Applied and Industrial Research	Ursula Palfinger	Invited talk (20 min.)
85	From Quantum Transport to Industrial Ion-Trap Systems	Clemens Rössler	Invited talk (20 min.)
92	Kurzreferat PIN-session	Georg Jakopic	Invited talk (20 min.)
200	Der Weg von der Grundlagenforschung zu Innovationen oder was eine Quantenphysikerin mit Erfindungen gemeinsam hat	Marion Romirer	Invited talk (20 min.)
400	Psycho-Acoustics - From Cochlear Implant Development to Self-Administered Hearing Assessment	Peter Schleich	Invited talk (20 min.)

YM – Young Minds

YM – Session 1 (Wed 23, 16:00-18:00, Chair: Anna Lena Buskamp) – Career Talks 1			
ID	Title	Speaker	Type
	Panel Discussion:		
	<i>Career Paths Inside and Outside Academia</i>		
	with		
	Plenary Speakers		
	Barbara Stadlober, Joanneum Research		
	and others		

YM – Session 2 (Thu 24, 16:00-18:00, Chair: Serafin Iwaniewicz) – Career Talks 2			
ID	Title	Speaker	Type
	Panel Discussion:		
	<i>Work Life Balance in Physics</i>		
	with		
	Ana Akrap, University of Zagreb		
	Anna Maria Coclite, University of Bari		
	Christian Hill, Brave Analytics		
	Rainer Minixhofer, AMS-Osram AG		

YM – Session 3 (Fri 25, 10:30-12:30, Chair: David Steiner) – YM Scholar Day			
ID	Title	Speaker	Type
811	Award Talks of the Master thesis prizes 2026	tba	
800	The life cycle of a research idea	Roberto Cerbini	
437	PLANCKS Austria: Competing, Connecting, and Changing Physics Education	Johannes Krondorfer	
812	Space Team	Serafin Iwaniewicz	

YM – Poster session (PS2 Wed23-Fri25)			
ID	Title	Presenter	Type
240 P113	Investigating the Lithium Plateau with Gaia DR4 and Bayesian Regression	Russell Huang	Poster

OeAW – Young Academy of the Austrian Academy of Sciences

OeAW – Session 1 (Thu 24, 10:30-12:30)			
ID	Title	Speaker	Type
81	Molecular Assembly and Coupling on Surfaces: From Electrostatics to Heterocyclic Systems	Laerte Patera	Invited talk (30 min.)
105	Adventitious Carbon Breaks Symmetry in Oxide Contact Electrification	Scott Waitukaitis	Invited talk (30 min.)
241	Molecules in Fields and Solids: Topology, Control, and Many-Body Physics	Mikhail Lemeshko	Invited talk (30 min.)
603	Tuning Magnetism in Graphene Moiré Heterostructures by Proximity-Induced Spin-Orbit Coupling	Hryhoriy Polshyn	Invited talk (30 min.)

AWS – Award Winner Session and ERC

M14 – Session 1 (Wed 23, 10:30-12:30)			
ID	Title	Speaker	Type
	Roman Ulrich Sengl Prize	tba	Invited talk (30 min.)
	Fritz Kohlrausch Prize	tba	Invited talk (30 min.)
	Auwärter Prize	tba	Invited talk (30 min.)
815	European Research Council (ERC) - Funding Opportunities and Guide for Prospective Applicants	Odeta Limaj	Invited talk (30 min.)