

Surface Science Division Fachverband Oberflächenphysik (O)

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Overview of Invited Talks and Sessions

(Lecture rooms MA 004 MA 005, MA 041, MA 042, MA 043, MA 141, MA 144, HE 101, HL 001, and HFT-FT 131;
Poster A and B)

Invited Talks

O 1.1	Mon	9:30–10:15	HE 101	Manipulation of Single Functional Molecules: Wires and Motors — •LEONHARD GRILL
O 5.1	Mon	10:30–11:00	MA 042	In-situ studies of organic thin films — •THORSTEN WAGNER
O 9.1	Mon	10:30–11:00	HFT-FT 131	CeO₂(111) defect structure, oxygen migration and polaron hopping: A theoretical perspective — •M. VERONICA GANDUGLIA-PIROVANO, GUSTAVO E. MURGIDA, VALERIA FERRARI, ANA MARIA LLOIS, DAWEI ZHANG, ZHONG-KANG HAN, YI GAO
O 9.2	Mon	11:00–11:30	HFT-FT 131	Interactions at the interface between cerium oxide and metals — •PAOLA LUCHES
O 9.3	Mon	11:30–12:00	HFT-FT 131	Unraveling surface chemistry Of C-H reforming reactions over Ni-CeOx(111) catalysts — •SANJAYA SENANAYAKE
O 11.1	Mon	15:00–15:30	MA 004	Elementary phenomena in hybrid graphene nanoribbons on surfaces — •NACHO PASCUAL
O 12.7	Mon	16:45–17:15	MA 005	Nonlinear Surface Phonon Polariton Spectroscopy — NIKOLAI C. PASSLER, ILYA RAZDOLSKI, CHRISTOPHER J. WINTA, SANDY GEWINNER, WIELAND SCHÖLLKOPF, STEFAN A. MAIER, JOSHUA D. CALDWELL, MARTIN WOLF, •ALEXANDER PAARMANN
O 14.1	Mon	15:00–15:30	MA 042	Non-commensurate epitaxy with and without coincidences — •ROMAN FORKER
O 14.8	Mon	17:15–17:45	MA 042	Spotlight on Excitonic Coupling in Textured and Polymorphic Anilino Squaraine Thin Films — •MANUELA SCHIEK
O 18.1	Mon	15:00–15:30	HE 101	Surface chemistry of ruthenates — •ULRIKE DIEBOLD, DANIEL HALWIDL, WERNFRIED MAYER-SCHMÖZER, MARTIN SETVIN, FLORIAN MITTENDORFER, JOSEF REDINGER, MICHAEL SCHMID
O 18.2	Mon	15:30–16:00	HE 101	Multiscale modelling of metal oxide interfaces and nanoparticles — •KERSTI HERMANSSON
O 22.1	Tue	9:30–10:15	HE 101	Metal-organic coordination on surfaces: towards complexity and functionality — •NIAN LIN
O 23.1	Tue	10:30–11:00	MA 004	Electronic properties of functional organic compounds at surfaces: From zero- to two-dimensional — •PETRA TEGEDER
O 24.1	Tue	10:30–11:00	MA 005	Modelling Photo-electrochemistry on Oxide Surfaces — •HARALD OBERHOFER
O 24.5	Tue	11:45–12:15	MA 005	Potential-Specific Structure at the Hematite-Electrolyte Interface — MARTIN E. MCBRIARTY, JOANNE E. STUBBS, PETER J. ENG, GUIDO VON RUDORFF, JOCHEM BLUMBERGER, •KEVIN M. ROSSO
O 24.6	Tue	12:15–12:45	MA 005	Photoelectrochemistry on hematite: a first-principles view — •ANDERS HELLMAN
O 27.1	Tue	10:30–11:00	MA 043	Inside graphene devices — •CLEMENS WINKELMANN, SAYANTI SAMADDAR, ALESSANDRO DE CECCO, HERVÉ COURTOIS, INDRA YUDHISTIRA, SHAFFIQUE ADAM, VLADIMIR PRUDKOVSKIY, CLAIRE BERGER, WALT DE HEER

O 30.1	Tue	10:30–11:00	HE 101	Recent Progress in Nonlinear Phononics and Josephson Plasmonics — ●ANDREA CAVALLERI
O 30.2	Tue	11:00–11:30	HE 101	Femtosecond nanoscopy of collective excitations in semiconductors — ●MARKUS A. HUBER, FABIAN MOOSHAMMER, MARKUS PLANKL, LEONARDO VITI, FABIAN SANDNER, MIRIAM S. VITIELLO, TYLER L. COCKER, RUPERT HUBER
O 30.3	Tue	11:30–12:00	HE 101	Boron nitride nanoresonators for phonon-enhanced molecular vibrational spectroscopy at the strong coupling limit — ●MARTA AUTORE, PEINING LI, IRENE DOLADO, FRANCISCO J. ALFARO-MOZAZ, RUBEN ESTEBAN, AINHOA ATXABAL, FÈLIX CASANOVA, LUIS E. HUESO, PABLO ALONSO-GONZÁLEZ, JAVIER AIZPURUA, ALEXEY Y. NIKITIN, SAÛL VÉLEZ, RAINER HILLENBRAND
O 30.4	Tue	12:00–12:30	HE 101	Ballistic surface plasmons in high mobility Dirac liquid of graphene — ●DMITRI BASOV
O 30.5	Tue	12:30–13:00	HE 101	Novel Materials and Approaches for Dynamic IR Nano-Optics — ●JOSHUA CALDWELL
O 37.1	Tue	14:00–14:30	MA 141	Unraveling the structure and dynamics at solid-liquid interfaces by machine learning potentials — MATTI HELLSTRÖM, VANESSA QUARANTA, ●JÖRG BEHLER
O 53.1	Wed	9:30–10:15	HE 101	Elementary steps in surface dynamics and reactivity at electrochemical interfaces — ●OLAF MAGNUSSEN
O 54.1	Wed	10:30–11:00	MA 004	Molecularly functionalized surfaces and interfaces — ●ADAM FOSTER
O 55.8	Wed	12:15–12:45	MA 005	Growth and surface chemistry of rutile IrO₂(110) — ●JASON WEAVER
O 57.1	Wed	10:30–11:00	MA 042	Hydrogen Atom Adsorption on Surfaces Studied in Inelastic Scattering Experiments — ●OLIVER BUENERMANN
O 61.1	Wed	10:30–11:00	HE 101	Bias-dependent local structure of water molecules at a metallic interface — ●MARIA VICTORIA FERNANDEZ-SERRA
O 61.2	Wed	11:00–11:30	HE 101	Optical imaging of surface chemistry and dynamics in confinement — ●SYLVIE ROKE
O 61.5	Wed	12:00–12:30	HE 101	Charge Transfer at the Single Molecule Level with Metal and Semiconductor Electrodes — ●RICHARD NICHOLS, ANDREA VEZZOLI, RICHARD BROOKE, NICOLÒ FERRI, SIMON HIGGINS, WALTHER SCHWARZACHER
O 62.1	Wed	10:30–11:00	HL 001	Correlating electrons via adiabatic connection approach: a general formalism, approximations, and applications — ●KATARZYNA PERNAL
O 65.3	Wed	15:30–16:00	MA 005	Bulk-terminated surfaces of KTaO₃ and SrTiO₃ studied by combined STM/AFM — ●MARTIN SETVIN
O 67.1	Wed	15:00–15:30	MA 042	Ultrafast dynamics of two-dimensional electron systems probed by time- and angle-resolved two-photon photoemission — ●JENS GÜDDE
O 71.3	Wed	15:30–16:00	HE 101	XPS of ionic liquids: from half-cell to in situ electrochemical measurements — ●ANNETTE FOELSKE-SCHMITZ, MARKUS SAUER, DANIEL WEINGARTH, RÜDIGER KÖTZ
O 71.4	Wed	16:15–16:45	HE 101	Single-Molecule Switching in 2D Materials at Solid-Liquid Interfaces — ●STIJN F. L. MERTENS
O 72.1	Wed	15:00–15:30	HL 001	Computational Approach to the Electronic Structure of Strongly Correlated Materials: Towards Theoretical Spectroscopy and Theory Assisted Material Design — ●GABRIEL KOTLIAR
O 86.1	Thu	9:30–10:15	HE 101	Weyl Semimetals and beyond! — ●CLAUDIA FELSER
O 87.1	Thu	10:30–11:00	MA 004	Molecular structures for conductance measurements — ●RICHARD BERNDT
O 88.1	Thu	10:30–11:00	MA 005	Syngas reactions on metal surfaces studied using scaling-relation-based kinetic Monte Carlo — ●MIE ANDERSEN
O 88.2	Thu	11:00–11:30	MA 005	Catalytic reactivity of binary alloys studied by field emission techniques — ●CÉDRIC BARROO, YANNICK DE DECKER, LUC JACOBS, THIERRY VISART DE BOCARMÉ

O 88.3	Thu	11:30–12:00	MA 005	Imaging spin polarization and orbital character at surfaces: from the Rashba effect to topological Fermi arcs — ●H. BENTMANN, H. MAASS, C.-H. MIN, F. REINERT
O 88.4	Thu	12:00–12:30	MA 005	Tuning optoelectronic properties of silicon quantum dots via surface chemistry — ●MITA DASOG, JONATHAN G. C. VEINOT, NATHAN S. LEWIS
O 88.5	Thu	12:30–13:00	MA 005	Carbon Dioxide Activation at Metal-Oxide Surfaces: A Compressed-Sensing Analysis — ●ALIAKSEI MAZHEIKA, YANGGANG WANG, ROSENDO VALERO, FRANCESC ILLAS, RUNHAI OUYANG, LUCA M. GHIRINGHELLI, SERGEY V. LEVCHENKO, MATTHIAS SCHEFFLER
O 92.1	Thu	10:30–11:00	MA 141	0-D and 1-D heterostructure mediated material properties of 2-D Transition Metal Dichalcogenides — ●ALEXANDER WEBER-BARGIONI
O 93.1	Thu	10:30–11:00	HE 101	Ultrafast Electron Diffuse Scattering: Mapping Momentum Dependent Electron-Phonon Coupling and Nonequilibrium Phonon Dynamics in 2D Materials — ●BRADLEY SIWICK, MARTIN OTTO, LAURENT RENE DE COTRET, MARK STERN, MARK SUTTON
O 93.2	Thu	11:00–11:30	HE 101	Beyond Debye-Waller Effects in Ultrafast Electron Diffraction — ●XIJE WANG
O 100.1	Thu	15:00–15:30	MA 141	Suitably functionalized molecules on surface: from self-assembly to chemical reactions — ●SHI-XIA LIU, JASCHA REPP, ERNST MEYER, SILVIO DECURTINS
O 101.1	Thu	15:00–15:30	HE 101	Ultrafast Structural Dynamics in Organic Molecular Solids — ●HEINRICH SCHWOERER
O 101.2	Thu	15:30–16:00	HE 101	Ultrafast Electronic Band Gap Control and Self-Protection from a Photoinduced Phase Transition in an Excitonic Insulator — ●JULIA STÄHLER
O 102.1	Thu	15:00–15:30	HL 001	Recent developments in FCIQMC: real-time propagation and improved convergence with walker number — ●ALI ALAVI
O 108.1	Fri	9:30–10:15	HE 101	Electronic structure of two-dimensional materials revealed by angle-resolved photoemission spectroscopy (ARPES) and Nano-ARPES — ●SHUYUN ZHOU
O 116.1	Fri	10:30–11:00	HE 101	Imaging Coherent, Nanoscale Acoustic-Phonon Dynamics with Ultrafast Electron Microscopy — ●DAVID FLANNIGAN, DANIEL CREMONS, DANIEL DU, DAYNE PLEMMONS, SPENCER REISBICK
O 121.1	Fri	13:15–14:00	HE 101	A look through the operando glass: First-principles based multiscale modeling of working catalysts — ●KARSTEN REUTER

Invited talks of the joint symposium SYID

See SYID for the full program of the symposium.

SYID 1.1	Mon	9:30–10:00	H 0105	Data driven R&D for Materials: Cognitive Discovery — ●ALESSANDRO CURIONI
SYID 1.2	Mon	10:00–10:30	H 0105	Rational design and synthesis of Pt-based catalysts for fuel cell applications — ●YOUNAN XIA
SYID 1.3	Mon	10:30–11:00	H 0105	2D, or not 2D? Materials discovery, data provenance, and workflow reproducibility. — ●NICOLA MARZARI
SYID 1.4	Mon	11:00–11:30	H 0105	Generating and assessing data from combinatorial and high-throughput experiments for the design of new materials — ●ALFRED LUDWIG
SYID 1.5	Mon	11:30–12:00	H 0105	Novel materials discovery: big-data-analytics methods and infrastructure for building maps of materials — ●LUCA GHIRINGHELLI

Invited talks of the joint symposium SYTO

See SYTO for the full program of the symposium.

SYTO 1.1	Wed	9:30–10:00	H 0105	Beyond Topologically Ordered States: Insights from Entanglement — ●B. ANDREI BERNEVIG
SYTO 1.2	Wed	10:00–10:30	H 0105	Topological Magnon Materials — ALEXANDER MOOK, JÜRGEN HENK, ●INGRID MERTIG

SYTO 1.3	Wed	10:30–11:00	H 0105	Topological Order of Interacting Polymers on a Substrate — •VINCENZO VITELLI
SYTO 1.4	Wed	11:15–11:45	H 0105	Quantization of Heat Flow in Fractional Quantum Hall States — •MOTY HEIBLUM
SYTO 1.5	Wed	11:45–12:15	H 0105	Currents and Phases in Quantum Rings — •KATHRYN MOLER

Invited talks of the joint symposium SYTH

See SYTH for the full program of the symposium.

SYTH 1.1	Thu	9:30–10:00	H 0105	Extracting the electrical properties of metal halide perovskite semiconductors using transient terahertz spectroscopy — •MICHAEL B. JOHNSTON
SYTH 1.2	Thu	10:00–10:30	H 0105	THz nanophotonics with 2D materials — •MIRIAM SERENA VITIELLO
SYTH 1.3	Thu	10:30–11:00	H 0105	Nonlinear responses and 2D spectroscopy using THz electric and magnetic fields — •KEITH A NELSON
SYTH 1.4	Thu	11:15–11:45	H 0105	Low energy electrodynamics of correlated spin systems. — •N. PETER ARMITAGE
SYTH 1.5	Thu	11:45–12:15	H 0105	Lightwave scanning tunneling microscopy of single molecules — DOMINIK PELLER, TYLER L. COCKER, PING YU, RUPERT HUBER, •JASCHA REPP

Invited talks of the joint symposium SYDM

See SYDM for the full program of the symposium.

SYDM 1.1	Thu	15:00–15:30	H 0105	Bending, pulling, and cutting wrinkled two-dimensional materials — •KIRILL BOLOTIN
SYDM 1.2	Thu	15:30–16:00	H 0105	Ultrafast valley and spin dynamics in single-layer transition metal dichalcogenides — •ALEJANDRO MOLINA-SANCHEZ
SYDM 1.3	Thu	16:00–16:30	H 0105	Interlayer excitons in layered semiconductor transition metal dichalcogenides — •STEFFEN MICHAELIS DE VASCONCELLOS
SYDM 1.4	Thu	16:45–17:15	H 0105	Exploring exciton physics in liquid-exfoliated 2D materials — •CLAUDIA BACKES
SYDM 1.5	Thu	17:15–17:45	H 0105	A Progress Report on Electron Transport in MXenes; A New Family of 2D Materials — •MICHEL BARSOUM

Invited talks of the joint symposium SYAM

See SYAM for the full program of the symposium.

SYAM 1.1	Fri	9:30–10:00	H 0105	Bringing Dino-Birds to life – Synchrotron X-ray fluorescence and Raman imaging of ancient materials — •UWE BERGMANN
SYAM 1.2	Fri	10:00–10:30	H 0105	Linear and Nonlinear Optical Properties of Cultural Heritage Materials — •MARTA CASTILLEJO
SYAM 1.3	Fri	10:30–11:00	H 0105	Morphology and topology of multiscale pore networks: Imaging structural alteration and hydric invasion — •PIERRE LEVITZ
SYAM 1.4	Fri	11:15–11:45	H 0105	Painting cracks: a way to reveal physical properties of matter — •LUDOVIC PAUCHARD
SYAM 1.5	Fri	11:45–12:15	H 0105	Finite element analysis and biomechanical interpretation of fossil material properties — •EMILY RAYFIELD

Sessions

O 1.1–1.1	Mon	9:30–10:15	HE 101	Overview Talk: Leonhard Grill
O 2.1–2.10	Mon	10:30–13:00	MA 004	Scanning probe techniques: Method development I
O 3.1–3.10	Mon	10:30–13:00	MA 005	Ultrafast Electron and spin dynamics at interfaces I
O 4.1–4.9	Mon	10:30–12:45	MA 041	Plasmonics and nanooptics: Fabrication and characterization
O 5.1–5.9	Mon	10:30–13:00	MA 042	Organic-inorganic hybrid systems and organic films I

O 6.1–6.11	Mon	10:30–13:15	MA 043	Graphene: Electronic properties, structure and substrate interaction I (joint session O/TT)
O 7.1–7.10	Mon	10:30–13:00	MA 141	Heterogeneous Catalysis: Experiment
O 8.1–8.10	Mon	10:30–13:00	MA 144	Solid-liquid interfaces: Structure, Spectroscopy I
O 9.1–9.7	Mon	10:30–13:00	HFT-FT 131	Focus Session: Frontiers in Reducible Oxide Surface Science I
O 10.1–10.10	Mon	10:30–13:00	HL 001	Focus Session: Frontiers of Electronic-Structure Theory: Correlated Electron Materials I (joint session O/MM/DS/TT/CPP)
O 11.1–11.11	Mon	15:00–18:15	MA 004	Focus Session: Molecular Nanostructures on surfaces - New Concepts towards Complex Architectures I
O 12.1–12.11	Mon	15:00–18:15	MA 005	Ultrafast Electron and spin dynamics at interfaces II
O 13.1–13.12	Mon	15:00–18:15	MA 041	Plasmonics and nanooptics: Light-matter interaction, spectroscopy I
O 14.1–14.10	Mon	15:00–18:15	MA 042	Organic-inorganic hybrid systems and organic films II
O 15.1–15.6	Mon	15:00–16:30	MA 043	Graphen: Adsorption, intercalation and doping I (joint session O/TT)
O 16.1–16.12	Mon	15:00–18:15	MA 141	Heterogeneous Catalysis: Theory
O 17.1–17.6	Mon	15:00–16:30	MA 144	Solid-liquid interfaces: Reactions and electrochemisty I (joint session O/CPP)
O 18.1–18.10	Mon	15:00–18:15	HE 101	Focus Session: Frontiers in Reducible Oxide Surface Science II
O 19.1–19.9	Mon	15:00–17:15	HL 001	Focus Session: Frontiers of Electronic-Structure Theory: Correlated Electron Materials II (joint session O/MM/DS/TT/CPP)
O 20.1–20.6	Mon	16:45–18:15	MA 043	Graphen: Adsorption, intercalation and doping II (joint session O/TT)
O 21.1–21.6	Mon	16:45–18:15	MA 144	Solid-liquid interfaces: Reactions and electrochemisty II (joint session O/CPP)
O 22.1–22.1	Tue	9:30–10:15	HE 101	Overview Talk: Nian Lin
O 23.1–23.9	Tue	10:30–13:00	MA 004	Focus Session: Molecular Nanostructures on surfaces - New Concepts towards Complex Architectures II
O 24.1–24.8	Tue	10:30–13:15	MA 005	Focus Session: Structure and Chemistry of Metal-Oxide Surfaces I
O 25.1–25.10	Tue	10:30–13:00	MA 041	Plasmonics and nanooptics: Light-matter interaction, spectroscopy II
O 26.1–26.10	Tue	10:30–13:00	MA 042	Organic-inorganic hybrid systems and organic films III
O 27.1–27.10	Tue	10:30–13:15	MA 043	Graphene: Electronic properties, structure and substrate interaction II (joint session O/TT)
O 28.1–28.11	Tue	10:30–13:15	MA 141	Electronic Structure Theory: General I
O 29.1–29.11	Tue	10:30–13:15	MA 144	Metallic nanowires on semiconductor surfaces
O 30.1–30.5	Tue	10:30–13:00	HE 101	Focus Session: Phonon Polaritons: Opportunities for THz Nanooptics I
O 31.1–31.5	Tue	10:30–13:00	HL 001	Focus Session: Frontiers of Electronic-Structure Theory: Correlated Electron Materials III (joint session O/MM/DS/TT/CPP)
O 32.1–32.6	Tue	14:00–15:30	MA 004	Electronic structure of surfaces: Spectroscopy, surface states I
O 33.1–33.5	Tue	14:00–15:15	MA 005	Semiconductor substrates: Structure, epitaxy and growth
O 34.1–34.6	Tue	14:00–15:30	MA 041	Plasmonics and nanooptics: Light-matter interaction, spectroscopy III
O 35.1–35.7	Tue	14:00–15:45	MA 042	Organic-inorganic hybrid systems and organic films IV
O 36.1–36.8	Tue	14:00–16:00	MA 043	2D materials beyond graphene: TMDCs, silicene and relatives I
O 37.1–37.7	Tue	14:00–16:15	MA 141	Electronic-Structure Theory: General II
O 38.1–38.7	Tue	14:00–15:45	MA 144	Metal substrates: Adsorption of atoms and inorganic molecules
O 39.1–39.6	Tue	14:00–15:30	HE 101	Focus Session: Phonon Polaritons: Opportunities for THz Nanooptics II
O 40.1–40.2	Tue	15:15–15:45	MA 005	Semiconductor substrates: Adsorption

O 41.1–41.7	Tue	18:15–20:30	Poster A	Poster: Metal Substrates - Structure, Epitaxy, Growth and Adsorption
O 42.1–42.22	Tue	18:15–20:30	Poster A	Poster: Organic-Inorganic Hybrid Systems and Organic Films
O 43.1–43.6	Tue	18:15–20:30	Poster A	Poster: Semiconductor Substrates - Adsorption
O 44.1–44.8	Tue	18:15–20:30	Poster A	Poster: Oxide and Insulator surfaces: Structure, Epitaxy, Growth and Adsorption
O 45.1–45.21	Tue	18:15–20:30	Poster A	Poster: Solid-Liquid Interfaces - Structure, Spectroscopy, Reactions and Electrochemistry
O 46.1–46.5	Tue	18:15–20:30	Poster A	Poster: Molecular Films - Photovoltaics, Electronics and Morphology
O 47.1–47.13	Tue	18:15–20:30	Poster A	Poster: Graphene - Electronic Properties, Structure, Adsorption, Intercalation and Doping (joint session O/TT)
O 48.1–48.21	Tue	18:15–20:30	Poster A	Poster: 2D Materials beyond Graphene: TMDCs, Silicene and Relatives
O 49.1–49.29	Tue	18:15–20:30	Poster A	Poster: Nanostructures on Surfaces I
O 50.1–50.7	Tue	18:15–20:30	Poster B	Poster: Nanostructures on Surfaces II
O 51.1–51.20	Tue	18:15–20:30	Poster B	Poster: Electronic Structure of Surfaces: Spectroscopy, Surface States
O 52.1–52.7	Tue	18:15–20:30	Poster B	Poster: Electronic structure: Surface Magnetism and Spin Phenomena
O 53.1–53.1	Wed	9:30–10:15	HE 101	Overview Talk: Olaf Magnussen
O 54.1–54.9	Wed	10:30–13:00	MA 004	Focus Session: Molecular Nanostructures on surfaces - New Concepts towards Complex Architectures III
O 55.1–55.9	Wed	10:30–13:00	MA 005	Focus Session: Structure and Chemistry of Metal-Oxide Surfaces II
O 56.1–56.5	Wed	10:30–11:45	MA 041	Plasmonics and nanooptics: Light-matter interaction, spectroscopy IV
O 57.1–57.8	Wed	10:30–12:45	MA 042	Electronic structure of surfaces: Spectroscopy, surface states II
O 58.1–58.10	Wed	10:30–13:00	MA 043	2D materials beyond graphene: TMDCs, silicene and relatives II
O 59.1–59.10	Wed	10:30–13:00	MA 141	Nanostructures at surfaces: 1D and 2D structures and networks I
O 60.1–60.5	Wed	10:30–11:45	MA 144	Solid-liquid interfaces: Structure, Spectroscopy II
O 61.1–61.7	Wed	10:30–13:00	HE 101	Focus Session: Nanoscale Insights into Interfacial Electrochemistry I
O 62.1–62.9	Wed	10:30–13:00	HL 001	Focus Session: Frontiers of Electronic-Structure Theory: Correlated Electron Materials IV (joint session O/MM/DS/TT/ CPP)
O 63.1–63.4	Wed	12:00–13:00	MA 041	Plasmonics and nanooptics: Applications and other aspects I
O 64.1–64.12	Wed	15:00–18:15	MA 004	Focus Session: Molecular Nanostructures on surfaces - New Concepts towards Complex Architectures IV
O 65.1–65.6	Wed	15:00–16:45	MA 005	Focus Session: Structure and Chemistry of Metal-Oxide Surfaces III
O 66.1–66.10	Wed	15:00–17:45	MA 041	Plasmonics and nanooptics: Applications and other aspects II
O 67.1–67.10	Wed	15:00–18:00	MA 042	Electronic structure of surfaces: Spectroscopy, surface states III
O 68.1–68.6	Wed	15:00–16:30	MA 043	Surface dynamics: Reactions, elementary processes and phase transitions I
O 69.1–69.6	Wed	15:00–16:30	MA 141	Nanostructures at surfaces: 1D and 2D structures and networks II
O 70.1–70.5	Wed	15:00–16:15	MA 144	Solid-liquid interfaces: Reactions and electrochemistry III (joint session O/ CPP)
O 71.1–71.6	Wed	15:00–17:15	HE 101	Focus Session: Nanoscale Insights into Interfacial Electrochemistry II
O 72.1–72.10	Wed	15:00–17:45	HL 001	Focus Session: Frontiers of Electronic-Structure Theory: Correlated Electron Materials V (joint session O/MM/DS/TT/ CPP)

O 73.1–73.5	Wed	16:45–18:00	MA 043	Surface dynamics: Reactions, elementary processes and phase transitions II
O 74.1–74.7	Wed	16:45–18:30	MA 141	Nanostructures at surfaces: Other aspects
O 75.1–75.5	Wed	16:45–18:00	MA 144	Solid-liquid interfaces: Reactions and electrochemistry IV (joint session O/CPP)
O 76.1–76.4	Wed	17:30–18:30	MA 005	Ultrafast Electron and spin dynamics at interfaces III
O 77.1–77.26	Wed	18:15–20:30	Poster A	Poster: Plasmonics and Nanooptics
O 78.1–78.15	Wed	18:15–20:30	Poster A	Poster: Surface Dynamics - Reactions, Elementary Processes and Phase Transitions
O 79.1–79.10	Wed	18:15–20:30	Poster A	Poster: Ultrafast Electron and Spin Dynamics at Interfaces
O 80.1–80.20	Wed	18:15–20:30	Poster A	Poster: Scanning Probe Techniques - Method Development
O 81.1–81.18	Wed	18:15–20:30	Poster A	Poster Focus Session: Molecular Nanostructures on Surfaces - New Concepts towards Complex Architectures
O 82.1–82.15	Wed	18:15–20:30	Poster A	Poster Focus Session: Frontiers of Electronic-Structure Theory - Correlated Electron Materials
O 83.1–83.10	Wed	18:15–20:30	Poster A	Poster Focus Session: Structural Dynamics in Nanoscale Materials, Probed by Ultrafast Electron Pulses
O 84.1–84.9	Wed	18:15–20:30	Poster A	Poster Focus Session: Structure and Chemistry of Metal-Oxide Surfaces
O 85.1–85.9	Wed	18:15–20:30	Poster A	Poster: Tribology and Misc.
O 86.1–86.1	Thu	9:30–10:15	HE 101	Overview Talk: Claudia Felser
O 87.1–87.9	Thu	10:30–13:00	MA 004	Focus Session: Molecular Nanostructures on surfaces - New Concepts towards Complex Architectures V
O 88.1–88.5	Thu	10:30–13:00	MA 005	Gerhard Ertl Young Investigator Award
O 89.1–89.10	Thu	10:30–13:00	MA 041	Oxide and Insulator Surfaces: Structure, Epitaxy and Growth I
O 90.1–90.10	Thu	10:30–13:00	MA 042	Electronic structure of surfaces: Spectroscopy, surface states IV
O 91.1–91.10	Thu	10:30–13:00	MA 043	2D materials beyond graphene: TMDCs, silicene and relatives III
O 92.1–92.9	Thu	10:30–13:00	MA 141	Nanostructures at surfaces: Dots, particles, clusters I
O 93.1–93.8	Thu	10:30–13:00	HE 101	Focus Session: Structural Dynamics in Nanoscale Materials, Probed by Ultrafast Electron Pulses I
O 94.1–94.9	Thu	10:30–12:45	HL 001	Focus Session: Frontiers of Electronic-Structure Theory: Correlated Electron Materials VI (joint session O/MM/DS/TT/CPP)
O 95.1–95.4	Thu	12:00–13:00	MA 144	Other And Miscellaneous
O 96.1–96.12	Thu	15:00–18:15	MA 004	Focus Session: Molecular Nanostructures on surfaces - New Concepts towards Complex Architectures VI
O 97.1–97.13	Thu	15:00–18:30	MA 005	Scanning probe techniques: Method development II
O 98.1–98.13	Thu	15:00–18:30	MA 042	Electronic structure: Surface magnetism and spin phenomena I
O 99.1–99.10	Thu	15:00–17:45	MA 043	2D materials beyond graphene: TMDCs, silicene and relatives IV
O 100.1–100.7	Thu	15:00–17:00	MA 141	Nanostructures at surfaces: Dots, particles, clusters II
O 101.1–101.7	Thu	15:00–17:30	HE 101	Focus Session: Structural Dynamics in Nanoscale Materials, Probed by Ultrafast Electron Pulses II
O 102.1–102.10	Thu	15:00–17:45	HL 001	Focus Session: Frontiers of Electronic-Structure Theory: Correlated Electron Materials VII (joint session O/TT/MM/DS/CPP)
O 103.1–103.3	Thu	15:45–16:30	MA 041	Oxide and Insulator Surfaces: Structure, Epitaxy and Growth II
O 104.1–104.6	Thu	16:45–18:15	MA 041	Oxides and Insulators: Adsorption I
O 105.1–105.4	Thu	17:15–18:15	MA 141	Nanostructures at surfaces: 1D and 2D structures and networks III
O 106	Thu	19:00–19:30	H 0105	Annual Meeting of the Surface Science Division
O 107	Thu	19:30–20:30	H 0105	Post-Deadline Session
O 108.1–108.1	Fri	9:30–10:15	HE 101	Overview Talk: Shuyun Zhou

O 109.1–109.5	Fri	10:30–11:45	MA 004	Focus Session: Molecular Nanostructures on surfaces - New Concepts towards Complex Architectures VII
O 110.1–110.1	Fri	10:30–10:45	MA 005	New Methods: Theory
O 111.1–111.8	Fri	10:30–12:30	MA 041	Oxides and Insulators: Adsorption II
O 112.1–112.10	Fri	10:30–13:00	MA 042	Electronic structure: Surface magnetism and spin phenomena II
O 113.1–113.10	Fri	10:30–13:00	MA 043	2D materials beyond graphene: TMDCs, silicene and relatives V
O 114.1–114.4	Fri	10:30–11:30	MA 141	Nanostructures at surfaces: 1D and 2D structures and networks IV
O 115.1–115.4	Fri	10:30–11:30	MA 144	Molecular films: Photovoltaics, electronics and morphology (joint session O/CPP)
O 116.1–116.8	Fri	10:30–12:45	HE 101	Focus Session: Structural Dynamics in Nanoscale Materials, Probed by Ultrafast Electron Pulses III
O 117.1–117.9	Fri	10:30–12:45	HL 001	Focus Session: Frontiers of Electronic-Structure Theory: Correlated Electron Materials VIII (joint session O/TT/MM/DS/CPP)
O 118.1–118.8	Fri	11:00–13:00	MA 005	Metal substrates: Structure, epitaxy and growth
O 119.1–119.6	Fri	11:30–13:00	MA 141	Non-Equilibrium Dynamics in Light-Driven Materials: Theory Meets Experiment
O 120.1–120.6	Fri	11:30–13:00	MA 144	Tribology: Surfaces and nanostructures
O 121.1–121.1	Fri	13:15–14:00	HE 101	Overview Talk: Karsten Reuter

Annual General Meeting of the Surface Science Division

Thursday 19:00–19:30 H 0105

- Report of the Chairman
- Presentation of the Gerhard Ertl Young Investigator Award
- Elections
- Miscellaneous