

Surface Science Division Fachverband Oberflächenphysik (O)

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Overview of Invited Talks and Sessions

(lecture rooms HSZ 02, SCH A01, SCH A118, SCH A215, SCH A216, SCH A315, and SCH 251; Poster P2)

Invited Talks

O 2.1	Mon	10:15–11:00	HSZ 02	Surface Science from Hours to Attoseconds: Mind the Gap — •MICHAEL HORN-VON HOEGEN
O 9.1	Mon	14:00–14:45	HSZ 02	Surface-confined coordination chemistry with porphyrins and phthalocyanines — •J. MICHAEL GOTTFRIED
O 16.1	Tue	9:30–10:15	HSZ 02	Electron Transport through Single Atoms and Molecules: an STM's View — •JÖRG KRÖGER
O 23.1	Tue	14:00–14:45	HSZ 02	Surfaces and Atomic Nanostructures - Model Systems for Spectroscopy of Confined Interacting Electrons — •JÖRG SCHÄFER
O 28.1	Wed	9:30–10:15	HSZ 02	Catalytic Autothermal Reforming of Renewable Fuels at Millisecond Times — •LANNY SCHMIDT
O 35.1	Wed	14:00–14:45	HSZ 02	Engineering surfaces, interfaces and structural phases to tailor magnetic properties — •JÜRGEN FASSBENDER
O 43.1	Thu	9:30–10:15	HSZ 02	Measuring spin polarization vectors with ARPES — •JÜRGEN OSTERWALDER, HUGO DIL, FABIAN MEIER, JORGE LOBO-CHECA, LUC PATTHEY, VLADIMIR N. PETROV
O 50.1	Thu	14:00–14:45	HSZ 02	Si-based spintronics from first principles — •MAHBUBE HORTAMANI
O 61.1	Fri	10:15–11:00	HSZ 02	First-principles approaches towards organic film growth — •CLAUDIA AMBROSCH-DRAXL, PETER PUSCHNIG, DMITRII NABOK
O 68.1	Fri	13:30–14:15	HSZ 02	Surface Structure Analysis – Present Status and Future — •KLAUS HEINZ
O 69.1	Fri	14:15–15:00	HSZ 02	Transient Electronic Structure and Insulator-to-Metal Transitions Probed by Time-resolved Photoemission Spectroscopy — •MARTIN WOLF

Invited talks of the joint symposium SYAI

See SYAI for the full program of the Symposium.

SYAI 1.1	Thu	15:00–15:30	SCH 251	Insights and Progress in Density Functional Theory — PAULA PAULA MORI-SANCHEZ, ARON COHEN, •WEITAO YANG
SYAI 1.2	Thu	15:30–16:00	SCH 251	Quasiparticle energy calculations in a new light: from defects in semiconductors to the <i>f</i>-electron challenge — •PATRICK RINKE
SYAI 1.3	Thu	16:00–16:30	SCH 251	LDA+DMFT approach to excitations spectrum in Half-Metallic Ferromagnets — •ALEXANDER LICHTENSTEIN
SYAI 1.4	Thu	17:00–17:30	SCH 251	Insight and prediction of material properties from ab initio calculations of electronic excitations — •LUCIA REINING, MATTEO GATTI, RALF HAMBACH, CHRISTINE GIORGETTI
SYAI 1.5	Thu	17:30–18:00	SCH 251	Local excitations in strongly interacting charge-transfer insulators: Frenkel excitons within TD-LDA+<i>U</i> and strong coupling theory — •WEI KU
SYAI 1.6	Thu	18:00–18:30	SCH 251	Electron tunneling and transport at molecular junctions — •ROBERTO CAR

Sessions

O 1.1–1.3	Sun	16:00–18:30	HSZ 04	Tutorial (Walter Pfeiffer, Christoph Lienau, Michael Bauer)
O 2.1–2.1	Mon	10:15–11:00	HSZ 02	Invited Talk (Michael Horn-von Hoegen)
O 3.1–3.7	Mon	11:15–13:00	SCH A01	Oxides and insulators I
O 4.1–4.7	Mon	11:15–13:00	SCH A118	Metal substrates: Adsorption of organic / bio molecules I
O 5.1–5.7	Mon	11:15–13:00	SCH A215	Nanostructures at surfaces: Wires, tubes
O 6.1–6.7	Mon	11:15–13:00	SCH A216	Electronic structure I
O 7.1–7.7	Mon	11:15–13:00	SCH A315	Semiconductor substrates
O 8.1–8.5	Mon	11:15–12:45	SCH 251	Focused Session: Epitaxial Graphene I
O 9.1–9.1	Mon	14:00–14:45	HSZ 02	Invited Talk (J.Michael Gottfried)
O 10.1–10.7	Mon	15:00–16:45	SCH A01	Oxides and insulators II
O 11.1–11.7	Mon	15:00–16:45	SCH A118	Metal substrates: Adsorption of organic / bio molecules II
O 12.1–12.6	Mon	15:00–16:30	SCH A215	Nanostructures at surfaces: Dots, particles, clusters I (magnetic)
O 13.1–13.7	Mon	15:00–16:45	SCH A216	Electronic structure II
O 14.1–14.7	Mon	15:00–16:45	SCH A316	Organic, polymeric, biomolecular films – also with absorbates I
O 15.1–15.5	Mon	15:00–16:30	SCH 251	Focused Session: Epitaxial Graphene II
O 16.1–16.1	Tue	9:30–10:15	HSZ 02	Invited Talk (Jörg Kröger)
O 17.1–17.10	Tue	10:30–13:00	SCH A01	Oxides and insulators III
O 18.1–18.9	Tue	10:30–12:45	SCH A118	Metal substrates: Adsorption of organic / bio molecules III
O 19.1–19.9	Tue	10:30–12:45	SCH A215	Nanostructures at surfaces: Arrays
O 20.1–20.10	Tue	10:30–13:00	SCH A216	Nano-optics of metallic and semiconducting nanostructures (time resolved)
O 21.1–21.6	Tue	10:30–12:00	SCH A316	Methods: Electronic structure theory I
O 22.1–22.8	Tue	10:30–13:00	SCH 251	Focused Session: Epitaxial Graphene III
O 23.1–23.1	Tue	14:00–14:45	HSZ 02	Invited Talk (Jörg Schäfer)
O 24.1–24.5	Tue	15:00–16:15	SCH A01	Methods: Molecular simulations and statistical mechanics
O 25.1–25.5	Tue	15:00–16:15	SCH A118	Surfaces and films: forces, structure and manipulation
O 26.1–26.7	Tue	15:00–16:45	SCH A215	Nanostructures at surfaces: Dots, particles, clusters II (SPM)
O 27.1–27.122	Tue	18:30–21:00	P2	Poster Session I (Methods: Scanning probe techniques; Methods: Atomic and electronic structure; Methods: Molecular simulations and statistical mechanics; Oxides and Insulators: Clean surfaces; Oxides and Insulators: Adsorption; Oxides and Insulators: Epitaxy and growth; Semiconductor substrates: Clean surfaces; Semiconductor substrates: Epitaxy and growth; Semiconductor substrates: Adsorption; Nano-optics of metallic and semiconducting nanostructures; Electronic structure; Methods: Electronic structure theory; Methods: other (experimental); Methods: other (theory); Solutions on surfaces; Epitaxial Graphene; Surface order interface magnetism; Phase transitions; Time-resolved spectroscopies)
O 28.1–28.1	Wed	9:30–10:15	HSZ 02	Invited Talk (Lanny Schmidt)
O 29.1–29.9	Wed	10:30–12:45	SCH A01	Nanostructures at surfaces: preparation
O 30.1–30.10	Wed	10:30–13:00	SCH A118	Metal substrates: Adsorption of organic / bio molecules IV
O 31.1–31.8	Wed	10:30–12:30	SCH A216	Nano-optics of metallic and semiconducting nanostructures (theory)
O 32.1–32.8	Wed	10:30–12:30	SCH A315	Surface or interface magnetism
O 33.1–33.6	Wed	10:30–12:00	SCH A316	Methods: Electronic structure theory II
O 34.1–34.8	Wed	10:30–13:00	SCH 251	Focused Session: Epitaxial Graphene IV
O 35.1–35.1	Wed	14:00–14:45	HSZ 02	Invited Talk (Gaede Prize) (Jürgen Fassbender)
O 36.1–36.7	Wed	15:00–16:45	SCH A01	Particles and clusters
O 37.1–37.10	Wed	15:00–17:30	SCH A118	Metal substrates: Adsorption of organic / bio molecules V
O 38.1–38.10	Wed	15:00–17:30	SCH A216	Nano-optics of metallic and semiconducting nanostructures (experiments I)
O 39.1–39.10	Wed	15:00–17:30	SCH A315	Metal substrates: Solid-liquid interfaces
O 40.1–40.10	Wed	15:00–17:30	SCH A316	Methods: Scanning probe techniques I
O 41.1–41.10	Wed	15:00–17:30	SCH 251	Ab-initio approaches to excitations in condensed matter I

O 42.1–42.126	Wed	17:45–20:30	P2	Poster Session II (Nanostructures at surfaces: arrays; Nanostructures at surfaces: Dots, particles, clusters; Nanostructures at surfaces: Other; Nanostructures at surfaces: Wires, tubes; Metal substrates: Adsorption of O and/or H; Metal substrates: Clean surfaces; Metal substrates: Adsorption of organic/bio molecules; Metal substrates: Solid-liquid interfaces; Metal substrates: Adsorption of inorganic molecules; Metal substrates: Epitaxy and growth; Heterogeneous catalysis; Surface chemical reactions; Ab-initio approaches to excitations in condensed matter; Organic, polymeric, biomolecular films– also with adsorbates; Particles and clusters)
O 43.1–43.1	Thu	9:30–10:15	HSZ 02	Invited Talk (Jürg Osterwalder)
O 44.1–44.10	Thu	10:30–13:00	SCH A118	Metal substrates: Adsorption of organic / bio molecules VI
O 45.1–45.10	Thu	10:30–13:00	SCH A215	Heterogeneous catalysis
O 46.1–46.10	Thu	10:30–13:00	SCH A315	Time-resolved spectroscopies I
O 47.1–47.8	Thu	10:30–12:30	SCH A316	Methods: Scanning probe techniques II
O 48.1–48.7	Thu	10:30–13:00	HSZ 02	Focused Session: Spin-Orbit Interaction at Surfaces: From the Rashba Effect to Topological States of Matter I
O 49.1–49.12	Thu	10:30–13:30	SCH 251	Ab-initio approaches to excitations in condensed matter II
O 50.1–50.1	Thu	14:00–14:45	HSZ 02	Invited Talk (Mahbube Hortamani)
O 51.1–51.12	Thu	16:15–19:15	SCH A01	Surface chemical reactions I
O 52.1–52.17	Thu	15:00–19:15	SCH A118	Metal substrates: Adsorption of organic / bio molecules VII
O 53.1–53.14	Thu	15:00–18:30	SCH A215	Nanostructures at surfaces: Dots, particles, clusters III
O 54.1–54.14	Thu	15:00–18:30	SCH A216	Nano-optics of metallic and semiconducting nanostructures (experiments II)
O 55.1–55.5	Thu	15:00–16:15	SCH A315	Time-resolved spectroscopies II
O 56.1–56.17	Thu	15:00–19:15	SCH A316	Metal substrates: Epitaxy, growth and adsorbates
O 57.1–57.12	Thu	15:00–19:00	HSZ 02	Focused Session: Spin-Orbit Interaction at Surfaces: From the Rashba Effect to Topological States of Matter II
O 58	Thu	15:00–18:30	SCH 251	SYAI: Ab-initio approaches to excitations in condensed matter
O 59	Thu	19:30–20:00	HSZ 02	General Meeting of the Surface Science Division
O 60.1–60.4	Thu	20:00–21:00	HSZ 02	Post Deadline Session followed by Surface Science "get-together"
O 61.1–61.1	Fri	10:15–11:00	HSZ 02	Invited Talk (Claudia Ambrosch-Draxl)
O 62.1–62.7	Fri	11:15–13:00	SCH A01	Surface chemical reactions II
O 63.1–63.7	Fri	11:15–13:00	SCH A118	Semiconductor substrates: Adsorption
O 64.1–64.6	Fri	11:15–12:45	SCH A215	Metal substrates: Adsorption of inorganic molecules
O 65.1–65.7	Fri	11:15–13:00	SCH A315	Time-resolved spectroscopies III
O 66.1–66.6	Fri	11:15–12:45	SCH A316	Organic, polymeric, biomolecular films – also with adsorbates II
O 67.1–67.6	Fri	11:15–12:45	SCH 251	Ab-initio approaches to excitations in condensed matter III
O 68.1–68.1	Fri	13:30–14:15	HSZ 02	Invited Talk (Klaus Heinz)
O 69.1–69.1	Fri	14:15–15:00	HSZ 02	Invited Talk (Martin Wolf)

Annual General Meeting Surface Science Division

Thursday 19:30–20:00 HSZ 02

- Report of the Chairman of the DPG Surface Science Division
- Miscellaneous

Notes

Poster Sessions O27 (Tuesday, 18:30–21:00) , O42 (Wednesday, 17:45–20:30) in room P2.

Post Deadline Session O60 on Thursday 20:00–21:00, in HSZ 02, followed by the Surface Science "get-together".