# Semiconductor Physics Division Fachverband Halbleiterphysik (HL)

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Vice Chairs: Michael Jetter, Universität Stuttgart, and Christoph Lienau, Carl von Ossietzky Universität Oldenburg

# **Overview of Invited Talks and Sessions**

(Lecture Rooms: Pot 6, Pot 51, Pot 81, Pot 112, Pot 151, and Pot 251; Posters: P1 (Zelt), P2 (HSZ)

#### **Invited Talks**

HL 1.1	Sun	16:00-16:35	HSZ 403	Von Lithium zu Lithium-Ionen-Batterien und zurück — •MARTIN WINTER
HL 1.2	$\operatorname{Sun}$	16:35-17:10	HSZ 403	Magnetic materials for green energy applications — •OLIVER GUT-
HL 1.3	Sun	17:20-17:55	HSZ 403	Recent developments of dye sensitized and mesoscopic solar cells $- \bullet TORY MEYER$
HL 1.4	Sun	17:55–18:30	HSZ 403	Perspectives of an artificial leaf based on inorganic semiconduc- tors for water splitting: Device structure, interface engineering, catalytic demands — •WOLFRAM JAEGERMANN
HL 3.1	Mon	9:30-10:00	POT 081	Parameterfree calculations of excitations and spectra: Fiction or reality for semiconductors? — •FRIEDHELM BECHSTEDT
HL 9.1	Mon	10:00-10:30	POT 081	Ultrathin Nanowires: Multiplex Templating Synthesis, Macro- scopic Assemblies, and Applications — •SHU-HONG YU
HL 14.1	Mon	11:45-12:15	POT 151	Vertical-cavity surface-emitting lasers (VCSELs) for optical inter- connects — •JAMES A. LOTT
HL 17.1	Mon	15:00-15:30	POT 081	Low-temperature scanning probe investigations of nanostructures at high and low magnetic fields — Nikola Pascher, •Thomas Ihn, Aleksey Kozikov, Richard Steinacher, Clemens Rössler, Klaus
HL 22.1	Mon	15:30-16:00	POT 006	Unveiling the origin of resistive switching in organic electronic devices — • FMIL I W. LIST KRATOCHVII
HL 34.1	Tue	9:30-10:00	POT 081	Influence of molecular structure, conformation and morphology on the performance of polymer solar cells — •ELIZABETH VON HAUFE
HL 36.1	Tue	12:30-13:00	POT 081	Organic-inorganic perovskite solar cells: The new generation of $PV - \bullet GARY$ HODES
HL 51.1	Tue	14:00-14:30	POT 112	Advanced optical properties of (In,Ga)As nanowire heterostruc- tures — •GREGOR KORLMUELLER
HL 56.1	Wed	9:30-10:00	POT 006	Ab initio many-body perturbation theory for organic photovoltaics
HL 63.1	Wed	12:00-12:30	POT 006	<b>Exciton-phonon coupling in nitride-based nanostructures</b> — G. CALLSEN, G. HÖNIG, S. KALINOWSKI, J. SETTKE, C. KINDEL, J. BRUN- NMEIER, T. MARKURT, M. ALBRECHT, S. KAKO, A. SCHLIWA, Y. ABAKAWA • A HOFEMANN
HL 87.1	Thu	9:30-10:00	POT 081	Time-resolved optical spectroscopy of 2D dichalcogenides — •Tobias Korn, Gerd Plechinger, Philipp Nagler, Christian
HL 94.1	Thu	11:00-11:30	POT 006	Template-realized three-dimensional functional nanostructures of semiconductors for high-performance device applications — •Yong LEI

HL 96.1	Thu	15:00-15:30	POT 051	An Electrically Driven Polariton Laser — •ARASH RAHIMI-IMAN
HL 110.1	Fri	9:30 - 10:00	POT 051	Quantum dynamics of exciton migration and dissociation in func-
				tional organic polymer materials — •IRENE BURGHARDT
HL 119.1	Fri	11:00-11:30	POT 006	A 3D topological insulator quantum dot for optically controlled
				quantum memory and quantum computing — HARI P. PAUDEL,
				•Michael N. Leuenberger

#### **Invited Talks in Focus Sessions**

HL 4.1	Mon	9:30-10:00	POT 151	Impact of topology on physical properties of quantum rings — •VIADIMIR M. FOMIN
HL 4.2	Mon	10:00-10:30	POT 151	Fabrication of ordered quantum rings — •ZHIMING WANG
HL 4.3	Mon	10:45 - 11:15	POT 151	Self-organized formation and XSTM characterization of
				GaSb/GaAs quantum rings — • ANDREA LENZ
HL 16.1	Mon	15:00 - 15:30	POT 051	Single Charge Relaxation in a Silicon Double Quantum Dot —
				•Jason Petta
HL 16.4	Mon	16:00-16:30	POT 051	Spin Qubits in Silicon — • ANDREW DZURAK
HL 16.7	Mon	17:15-17:45	POT 051	Spin Hot Spots in Quantum Dots — •PETER STANO
HL 38.1	Tue	9:30 - 10:00	POT 251	Nonclassical light from semiconductor quantum dots — $\bullet$ Gregor
				WEIHS, TOBIAS HUBER, HARISHANKAR JAYAKUMAR, THOMAS KAUTEN,
				Ana Predojević
HL $38.5$	Tue	10:45 - 11:15	POT 251	Taming single photons emitted by solid state systems — $\bullet$ STEPHAN
				Götzinger
HL 54.1	Tue	14:00-14:30	POT 251	Quantum network challenges for solid-state spins and photons $-$
				•Mete Atature
HL $58.1$	Wed	9:30-10:00	POT 081	Computational design of oxide semiconductors — $\bullet$ STEPHAN LANY
HL $58.7$	Wed	11:30-12:00	POT 081	Beta-Ga2O3: Single crystal growth and semiconductor applica-
				tions — •Encarnacion G. Villora, Daisuke Inomata, Stelian Ar-
				joca, Kazuo Aoki, Kiyoshi Shimamura
HL $58.9$	Wed	12:15-12:45	POT 081	Combinatorial approach to group-III sesquioxides — $\bullet$ HOLGER VON
				WENCKSTERN
HL 69.1	Wed	15:00-15:30	POT 081	Electronic properties of the transparent semiconducting oxides
				Ga2O3 and In2O3 — •RECARDO MANZKE
HL 69.7	Wed	17:00-17:30	POT 081	Surface properties of $In_2O_3$ and other semiconducting metal oxides
	_			— •Ulrike Diebold
HL 89.1	Thu	9:30-10:00	POT 251	Metamorphic III-V-on-IV structures and its application to op-
				toelectronic devices — YOSHIAKI NAKANO, •MASAKAZU SUGIYAMA,
	-		<b>DOT 25</b>	TAKUO TANEMURA
HL 89.2	Thu	10:00-10:30	POT 251	Two types of buffer layer for the growth of GaN on highly lat-
				tice mismatched substrates and their impact on the development
				of sustainable systems — TADASHI MITSUNARI, KOJI OKUNO, YOSHIO
	(T)	11.00.10.00		HONDA, SHIGEYASU TANAKA, •HIROSHI AMANO
пL 89.0	1 nu	11:30-12:00	PU1 251	Development of High Performance Semipolar Galv-based Blue and
III 100 1	TI	15.00 15.20	DOT OF 1	Green Lasers: Control of Stress Kelaxation — $\bullet$ JAMES SPECK Intermetion of subia III/V continue duration $\to$ (001)
пь 100.1	1 nu	19:00-19:30	PU1 291	Integration of cubic III/v semiconductors on shifting $(001)$ –

### Invited talks of the joint symposium SYMO

See SYMO for the full program of the symposium.

SYMO 1.1	Mon	9:30-10:00	HSZ 02	Molecular quantum spintronics with single-molecule magnets — •Wolfgang Wernsdorfer
SYMO 1.2	Mon	10:00-10:30	HSZ 02	<b>EPR Studies of Rare-Earth Molecular Nanomagnets</b> — •STEPHEN HILL, SANHITA GHOSH, DORSA KOMIJANI, SALVADOR CARDONA-SERRA, JOSE-JAIME BALDOVI, YAN DUAN, ALEJANDRO GAITA-ARINO, EUGENIO CORONADO
SYMO 1.3	Mon	10:45-11:15	HSZ 02	<b>On-surface magnetochemistry of spin-bearing metalorganic</b> <b>molecules</b> — •Peter M. Oppeneer, Kartick Tarafder, Ehesan Ali, Nirmalya Ballav, Christian Wäckerlin, Thomas A. Jung

SYMO 1.4	Mon	11:15-11:45	HSZ 02	Interfacing single-molecule magnets with metals — •ANDREA COR-
				NIA, VALERIA LANZILOTTO, LUIGI MALAVOLTI, MATTEO MANNINI,
				Mauro Perfetti, Luca Rigamonti, Roberta Sessoli
SYMO $1.5$	Mon	11:45 - 12:15	HSZ 02	Linking magnetic molecules to themselves, to others and to sur-
				$faces - \bullet Richard Windenny$

## Invited talks of the joint symposium SYSG

See SYSG for the full program of the symposium.

SYSG 1.1	Tue	9:30-10:00	HSZ 02	Intrinsic magnetism in graphene — •IRINA GRIGORIEVA
SYSG $1.2$	Tue	10:00-10:30	HSZ 02	Defect Induced Magnetic Moments in Graphene - • ROLAND
				Kawakami
SYSG $1.3$	Tue	10:30-11:00	HSZ 02	Role of MgO barriers for spin and charge transport in
				Co/MgO/graphene spin-valve devices — •Bernd Beschoten
SYSG $1.4$	Tue	11:15-11:45	HSZ 02	Defect-Mediated Spin Relaxation and Dephasing in Graphene $-$
				Mark Lundeberg, Silvia Folk, •Joshua Folk
SYSG $1.5$	Tue	11:45 - 12:15	HSZ 02	Electron spin relaxation in graphene: resonant scattering off local
				magnetic moments — • JAROSLAV FABIAN, DENIS KOCHAN, MARTIN GMI-
				TRA

# **Invited talks of the joint symposium SYOM** See SYOM for the full program of the symposium.

SYOM 1.1	Fri	9:30-10:10	HSZ 02	Atomic-scale dopant wires for quantum computer architectures $-$
				•Michelle Y Simmons
SYOM 1.2	Fri	10:10-10:50	HSZ 02	$1 + \delta$ : Tuning the Dimensionality of Organic Conductors — •MARTIN
				Dressel
SYOM 1.3	Fri	11:10-11:50	HSZ 02	Spectral and transport properties of one-dimensional correlated
				electrons — •Volker Meden
SYOM 1.4	Fri	11:50-12:30	HSZ 02	Atomic nanowires on surfaces: Spectroscopic reality versus theoret-
				ical fiction — •Ralph Claessen

#### Sessions

HL 1.1–1.4	$\operatorname{Sun}$	16:00-18:35	HSZ 403	Tutorial: Energy materials
HL 2.1–2.11	Mon	9:30-12:30	POT 051	Topological insulators: mostly structure and electronic structure (with MA/O/TT)
HL 3.1–3.1	Mon	9:30 - 10:00	POT 081	Invited Talk Friedhelm Bechstedt
HL 4.1–4.4	Mon	9:30-11:30	POT 151	Physics of quantum rings (Focus session with TT)
HL 5.1–5.6	Mon	9:30-11:00	POT 251	Nitrides: mostly transport properties and recombination processes
HL 6.1–6.5	Mon	9:30-12:15	HSZ 02	Symposium SYMO: Magnetic/organic interfaces and molecular magnetism
HL 7.1–7.9	Mon	9:30-12:15	ZEU 222	Organic electronics and photovoltaics I (organized by CPP)
HL 8.1–8.14	Mon	9:30-13:15	BEY 81	Transport: Quantum dots, quantum wires, point contacts I (organized by TT)
HL 9.1–9.1	Mon	10:00-10:30	POT 081	Invited Talk Shu-Hong Yu
HL 10.1–10.5	Mon	10:15 - 11:30	IFW A	Functional materials I - Energy storage (organized by MM)
HL 11.1–11.8	Mon	10:30-13:15	TRE Ma	Frontiers of electronic structure theory - Non-equilibrium phenomena at the nano-scale I (organized by O)
HL 12.1–12.7	Mon	10:45-12:30	POT 081	Energy materials: Water splitting, batteries, and superca- pacitors (with CPP/MM)
HL 13.1–13.6	Mon	11:15-12:45	POT 251	Nitrides: Optical characterization
HL 14.1–14.1	Mon	11:45 - 12:15	POT 151	Invited Talk James Lott
HL 15.1–15.1	Mon	13:15-13:45	HSZ 02	Semicrystalline polymers (organized by CPP)
HL 16.1–16.11	Mon	15:00-18:45	POT 051	Electron spin qubits in semiconductor quantum dots (Fo- cus session with TT)

HL 17.1–17.1	Mon	15:00 - 15:30	POT 081	Invited Talk Thomas Ihn
HL 18.1–18.7	Mon	15:00-16:45	POT 112	Carbon: Diamond, nanotubes and Buckyballs
HL 19.1–19.9	Mon	15:00-17:15	POT 151	Nitrides: Devices
HL 20.1–20.5	Mon	15:00 - 17:45	HSZ 02	Symposium SYCM: Crystallography in materials science
HL 21.1-21.10	Mon	15:00 - 18:00	ZEU 222	Organic electronics and photovoltaics II (organized by
				CPP)
HL 22.1–22.1	Mon	15:30-16:00	POT 006	Invited Talk Emil List-Kratochvil
HL 23.1–23.7	Mon	16:00-17:45	POT 006	Quantum wires: Transport properties (with TT)
HL 24 1–24 8	Mon	15.45 - 17.45	POT 081	Topological insulators: mostly interaction with magnetic
111 2111 2110	101011	10.10 11.10	101001	fields (with MA/TT)
HL 25 1–25 9	Mon	16.00 - 18.30	HSZ 204	Transport: Quantum dots, quantum wires, point contacts
111 20.1 20.0	mon	10.00 10.00	1102 201	II (organized by TT)
HL 26 1-26 12	Mon	16.00-19.00	WIL C107	Graphene: Structural properties (organized by 0)
HL 27 1-27 10	Mon	16.00 - 18.00	TRE Ma	Frontiers of electronic structure theory - Non-equilibrium
1112 21.11 21.10	MIOII	10.00 10.40	ITLI Ma	phenomena at the nano-scale II (organized by $O$ )
HI 28 1_28 7	Mon	18.00-10.45	CHF 01	Organic electronics and photovoltaics I (organized by DS)
HL 20.1-20.1	Mon	10.00 - 19.40 17.00 - 20.00	D112 91	Postory Organic comiconductors and hybrid organic
111 29.1-29.11	MOII	17.00-20.00	1 2	inorganic betanostructuros / Organic photovoltaios
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IIL 30.1-30.27	MOII	17:00-20:00	ΓΖ	Foster: Quantum dots and wress Freparation, character-
TTT 01 1 01 10	м	17 00 00 00	Do	D A NULLI
HL 31.1-31.13	Mon	17:00-20:00	P2 P2	Poster: Nitrides
HL 32.1-32.11	Mon	17:00-20:00	P2	Poster: ZnU and its relatives
HL 33.1-33.6	Tue	9:30-11:00	POT 006	Optical properties I
HL 34.1–34.1	Tue	9:30-10:00	POT 081	Invited Talk Elizabeth von Hauff
HL 35.1–35.9	Tue	10:00-12:30	POT 081	Organic semiconductors: Photovoltaics (with CPP/DS/O)
HL 36.1–36.1	Tue	12:30-13:00	POT 081	Invited Talk Gary Hodes
HL 37.1–37.4	Tue	9:30-10:30	POT 151	Preparation and characterization
HL 38.1–38.5	Tue	9:30-11:15	POT 251	Quantum light sources based on solid state systems: Status
				and visions I (Focus session with TT)
HL 39.1–39.5	Tue	9:30-12:15	HSZ 02	Symposium SYSG: Spin properties of graphene
HL 40.1–40.4	Tue	9:30-10:30	BEY 81	Transport: Spintronics and magnetotransport (organized
				by TT)
HL 41.1–41.13	Tue	9:30-13:15	WIL $C107$	Transport: Graphene (organized by TT)
HL 42.1–42.11	Tue	10:30-13:15	GER $38$	Topological insulators (organized by O)
HL 43.1–43.9	Tue	10:30-13:15	TRE Ma	Frontiers of electronic structure theory - Non-equilibrium
				phenomena at the nano-scale III (organized by O)
HL 44.1–44.8	Tue	10:45 - 12:45	POT 151	ZnO and its relatives: Devices
HL 45.1–45.5	Tue	11:15-12:30	POT 006	Optical properties II
HL 46.1–46.4	Tue	11:45 - 12:45	POT 051	Nitrides: mostly structural characterization
HL 47.1–47.9	Tue	13:45 - 16:00	HSZ 401	Spintronics (organized by MA)
HL 48.1–48.8	Tue	14:00-16:00	POT 006	Transport
HL 49.1–49.8	Tue	14:00-16:00	POT 051	Energy materials: Thermoelectrics
HL 50.1–50.7	Tue	14:00-15:45	POT 081	Organic semiconductors: Transistors and OLEDs (with
				CPP/DS)
HL 51.1–51.1	Tue	14:00-14:30	POT 112	Invited Talk Gregor Koblmüller
HL 52.1–52.7	Tue	14:30-16:15	POT 112	Quantum wires: Optical properties (with TT)
HL 53.1–53.9	Tue	14:00-16:15	POT 151	Nitrides: Preparation of nonpolar and semipolar orienta-
				tions
HL 54.1–54.6	Tue	14:00-15:45	POT 251	Quantum light sources based on solid state systems: Status
1112 0 111 0 110	140	11.00 10.10	101 -01	and visions II (Focus session with TT)
HL 55 1–55 8	Tue	14.00 - 16.00	HSZ 304	Transport: Topological insulators I (organized by TT)
HL 56 1–56 1	Wed	9.30 - 10.00	POT 006	Invited Talk Xavier Blase
HL 57 1–57 10	Wed	9.30 - 12.00	POT 051	Graphene: Transport (with $M\Delta / \Omega / TT$ )
HL 58 1_58 10	Wed	9.30-12.10	POT 081	Emerging oxide semiconductors I (Focus socion with $DS$ )
HL 50 1_50 7	Wed	9.30-13.00 9.30-11.15	POT 151	Topological insulators: Theory (with $M\Lambda / \Omega / TT$ )
HL 60 1_60 7	Wed	0.30 11.15 0.30_11.15	POT 251	Quantum dats: Ontical properties I (with TT)
HL 61 1_61 19	Wed	9.30-11.13 9.30-19.45	ZEU 260	Organic electronics and photovoltaics III (organized by
111 01.1-01.12	wea	9.00-12:40	ZEU 200	(organized by CDD)
HI 62 1 62 7	Wed	10.15-19.00	POT 006	Spintronics I (with MA $/O/TT$ )
HI 62 1 62 1	Wed	10.10 - 12.00 10.00 - 10.20		Invited Talk Aval Haffmann
110 00.1-00.1	wea	12.00-12:30	I O I 000	IIIVIUGU TAIK AACI HUIIIIIAIIII

HL 64.1–64.10	Wed	10:30-13:15	TRE Ma	Frontiers of electronic structure theory - Non-equilibrium
				phenomena at the nano-scale IV (organized by O)
HL $65.1-65.7$	Wed	11:30-13:15	POT 151	Devices
HL 66.1–66.6	Wed	11:30-13:00	POT 251	Quantum dots: Optical properties II (with TT)
HL 67.1–67.6	Wed	15:00-16:30	POT 006	Quantum information systems I (with MA/TT)
HL 68.1–68.8	Wed	15:00-17:00	POT 051	Heterostructures and interfaces
HL 69.1–69.12	Wed	15:00-18:45	POT 081	Emerging oxide semiconductors II (Focus session with DS)
HL 70.1–70.9	Wed	15:00-17:15	POT 112	Semiconductor laser I: VECSEL and cascade lasers
HL 71.1–71.9	Wed	15:00-17:15	POT 151	Energy materials: Silicon-based photovoltaics
HL 72.1–72.5	Wed	15:00-16:15	POT 251	Quantum dots: Transport properties
HL 73.1–73.12	Wed	15:00-18:15	ZEU 260	Organic electronics and photovoltaics IV (organized by CPP)
HL 74.1–74.1	Wed	15:00-15:45	GER $37$	Invited Talk: Heidemarie Schmidt (organized by DF)
HL 75.1–75.10	Wed	15:00-18:00	HSZ 03	Transport: Majorana fermions (organized by TT)
HL 76.1–76.13	Wed	16:00-19:15	WIL $C107$	Graphene: Electronic properties (organized by O)
HL 77.1–77.11	Wed	16:00-19:15	TRE Ma	Frontiers of electronic structure theory - Non-equilibrium
				phenomena at the nano-scale V (organized by O)
HL 78.1–78.9	Wed	16:30-18:45	POT 251	Quantum dots: Preparation and characterization
HL 79.1–79.8	Wed	16:30 - 18:30	HSZ 204	Transport: Topological insulators II (organized by TT)
HL 80.1–80.8	Wed	16:30 - 18:30	HSZ 304	Transport: Carbon nanotubes (organized by TT)
HL 81.1–81.17	Wed	17:00-20:00	P1	Poster: Energy materials incl. photovoltaics
HL 82.1–82.5	Wed	17:00-20:00	P1	Poster: Surfaces, interfaces and heterostructures (with O)
HL 83.1–83.12	Wed	17:00-20:00	P1	Poster: Graphene (with $MA/O$ )
HL 84.1–84.22	Wed	17:00-20:00	P1	Poster: Electronic structure theory / Carbon (other than
				graphene) / Si, Ge, and SiC / III-V semiconductors (other than nitrides)
HL 85.1–85.5	Thu	9:30-10:45	POT 006	Organic light emission
HL 86.1–86.7	Thu	9:30-11:15	POT 051	Photonic crystals and cavities
HL 87.1–87.1	Thu	9:30 - 10:00	POT 081	Invited Talk Tobias Korn (with TT)
HL 88.1–88.9	Thu	10:00-12:30	POT 081	Graphene-like materials: Silicene, MoS <sub>2</sub> and relatives
				(with DY/MA/O/TT)
HL 89.1–89.10	Thu	9:30-13:00	POT 251	Metamorphic structures: Bringing together incompatible
				materials I (Focus session with DF)
HL 90.1–90.13	Thu	9:30-13:15	$\mathrm{HSZ}\ 204$	Low-dimensional systems: Topological order (organized by
III 01 1 01 C	(T)	0.00 10 15		
HL 91.1-91.0	1 nu	9:30-12:45	CHE 91	Sustainable photovoltaics with earth-abundant materials I
Ш 021 020	Thu	10.00 19.15	DOT 151	(organized by $DS$ ) Spintronics II (with $MA / O / TT$ )
ПL 92.1-92.9	Thu Thu	10:00-12:13 10:20-12:15	TDE Ma	Examples of electropic structure theory. Non equilibrium
IIL 95.1-95.10	1 nu	10:30-13:13	INE Ma	Frontiers of electronic structure theory - Non-equilibrium phonomona at the name scale $VI$ (organized by $O$ )
HL 04 1-04 1	Thu	11.00-11.30	POT 006	Invited Talk Yong Lei
HL 95 1–95 6	Thu	$11.00 \ 11.00$ 11.30 - 13.00	POT 051	Polaritons
HL 96 1_96 1	Thu	15.00 - 15.30	POT 051	Invited Talk Arash Bahimi-Iman
HL 97 1–97 7	Thu	$15.00 \ 15.30 \ 15.15$	POT 051	Semiconductor laser II: Microcavities and quantum-dot
	Ind	10.00 11.10	101001	laser
HL 98.1–98.11	Thu	15:00-18:00	POT 081	Graphene: Spintronics, transistors, and sensors (with $DY/MA/O/TT$ )
HL 99.1–99.8	Thu	15:00-17:00	POT 151	Electronic structure theory
HL 100.1–100.5	Thu	15:00 - 16:30	POT 251	Metamorphic structures: Bringing together incompatible
111 10001 10000	1110	10.000 10.000	101_01	materials II (Focus session with DF)
HL 101.1–101.7	Thu	15:00 - 18:25	HSZ 03	Theoretical advances in interacting topological phases (or-
111 10101 1010	1110	10.000 10.20	1102 00	ganized by TT)
HL 102.1–102.10	Thu	15:00 - 17:30	CHE 91	Sustainable photovoltaics with earth-abundant materials II
				(organized by DS)
HL 103.1–103.11	Thu	16:00-18:45	WIL C107	Graphene: Adsorption, intercalation, doping (organized by
				0)
HL 104.1–104.8	Thu	17:45 - 19:45	CHE 91	Organic electronics and photovoltaics II (organized by DS)
HL 105.1–105.12	Thu	17:00-20:00	P1	Poster: Topological insulators (with MA/O)
HL 106.1–106.7	Thu	17:00-20:00	P1	Poster: Spintronics (with MA/O)
HL 107.1–107.21	Thu	17:00-20:00	P1	Poster: Emerging oxide semiconductors / Oxides other
				than ZnO and its relatives

#### Semiconductor Physics Division (HL)

$\mathbf{\Omega}$	•
Ove	rview

HL 108.1–108.31	Thu	17:00-20:00	P1	Poster: Ultra-fast phenomena / Optical properties / Semi- conductor laser / Devices and device concepts
HL 109.1–109.5	Fri	9:30-10:45	POT 006	Ultra-fast phenomena I
HL 110.1–110.1	Fri	9:30-10:00	POT 051	Invited Talk Irene Burghardt
HL 111.1–111.6	Fri	9:30-11:00	POT 081	Graphene: Bi- and multi-layers (with $MA/O/TT$ )
HL 112.1–112.11	Fri	9:30-12:30	POT 112	Energy materials: CIGS and related photovoltaics
HL 113.1–113.5	Fri	9:30-10:45	POT 151	Quantum information systems II (with TT)
HL 114.1–114.12	Fri	9:30-12:45	POT 251	Oxides: Bulk, films and interfaces
HL 115.1–115.4	Fri	9:30-12:30	HSZ 02	Symposium SYOM: One-dimensional metals - Reality or
				fiction?
HL 116.1–116.9	Fri	9:30-12:00	HSZ 04	Topological insulators (organized by MA)
HL 117.1–117.9	Fri	10:15-12:30	POT 051	Organic semiconductors: Material properties (with CPP/DS)
HL 118.1–118.7	Fri	11:15-13:00	POT 081	Graphene: Interaction with the substrate (with $DY/MA/O/TT$ )
HL 119.1–119.1	Fri	11:00-11:30	POT 006	Invited Talk Michael Leuenberger
HL 120.1–120.5	Fri	11:30-12:45	POT 006	Ultra-fast phenomena II
HL 121.1–121.7	Fri	11:30-13:15	CHE 89	Graphene (organized by DS)

# Annual General Meeting of the Semiconductor Physics Division

Thursday 18:30–19:30 POT 006