

Semiconductor Physics Division Fachverband Halbleiterphysik (HL)

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Overview of Invited Talks and Sessions (Lecture Rooms H2, H3, H13, H14, H15, H16, and H17; Poster A)

Invited Talks

HL 14.1	Mon	13:30–14:00	H2	Complex oxides for next-generation electronics — •CHRIS G. VAN DE WALLE
HL 19.1	Mon	15:00–15:30	H17	Relaxation dynamics in graphene close to the Dirac point — •STEPHAN WINNERL
HL 33.1	Tue	9:30–10:00	H13	Acoustic nanoquakes dynamically control optical nanosystems — •HUBERT KRENNER
HL 42.1	Tue	12:30–13:00	H2	MBE growth of topological insulator films and ARPES measurements — •GREGOR MUSSLER, JÖRN KAMPMEIER, SVETLANA BORISOVA, DETLEV GRÜTZMACHER
HL 43.1	Tue	15:00–15:30	H2	Single phonon quantum interference and back-action in quantum-dot electrical circuits — GHISLAIN GRANGER, DANIELA TAUBERT, CAROLYN YOUNG, L. GAUDREAU, A. KAM, S. STUDENIKIN, D. HARBUSCH, DIETER SCHUH, WERNER WEGSCHEIDER, ZBIGNIEW WASILEW, AASHISH CLERK, ANDREW SACHRAJDA, •STEFAN LUDWIG
HL 47.1	Tue	15:30–16:00	H2	Compact physics-based modeling of semiconductor devices for circuit — •MITIKO MIURA-MATTAUSCH
HL 51.1	Wed	9:30–10:00	H15	Nano-scale characterization of semiconductors using helium temperature scanning transmission electron microscopy cathodoluminescence — •JÜRGEN CHRISTEN, GORDON SCHMIDT, PETER VEIT, FRANK BERTRAM, MARCUS MÜLLER

Invited Talks in Focus Sessions

HL 3.1	Mon	9:30–10:00	H13	Ultrafast processes in carbon nanotubes and quantum dots — •ULRIKE WOGGON
HL 3.3	Mon	10:15–10:45	H13	Quantum dots - artificial atoms, molecules or small pieces of bulk? Nonadiabatic molecular dynamics in the Kohn-Sham representation. — •OLEG PREZHDO, HEATHER JAEGER, LONG RUN, AMANDA NEUKIRCH, KIM HYEON-DEUK
HL 3.5	Mon	11:00–11:30	H13	Out-of-equilibrium carrier dynamics in semiconductors: a novel approach — •ANDREA MARINI
HL 3.6	Mon	12:30–13:00	H13	The role of phonons for exciton and biexciton generation in a quantum dot driven by adiabatic rapid passage — •TILMANN KUHN
HL 3.8	Mon	13:15–13:45	H13	Spin lifetime and electron-phonon interaction in graphene — •GUIDO BURKARD
HL 15.1	Mon	15:00–15:30	H2	Optical absorption and radiation damage in transparent conducting oxides — •ANDRE SCHLEIFE, FRIEDHELM BECHSTEDT, ALFREDO CORREA, YOSUKE KANAI

HL 15.3	Mon	15:45–16:15	H2	Growth from the melt of high-quality In₂O₃ and Ga₂O₃ single crystals — ●ROBERTO FORNARI, ZBIGNIEW GALAZKA, REINHARD UECKER, KLAUS IRMSCHER
HL 15.5	Mon	16:45–17:15	H2	Development of gallium oxide power devices — ●MASATAKA HIGASHIWAKI, KOHEI SASAKI, AKITO KURAMATA, TAKEKAZU MASUI, SHIGENOBU YAMAKOSHI
HL 15.9	Mon	18:15–18:45	H2	Surface electron accumulation layers in oxide semiconductors — ●TIM VEAL
HL 31.1	Tue	9:30–10:00	H2	Localization at graphene system and topological insulator edges — ●MARKUS BUTTIKER
HL 31.2	Tue	10:00–10:30	H2	Controlling Quantized Edge Transport in Two-dimensional Topological Insulators — VIKTOR KRUECKL, SVEN ESSERT, ●KLAUS RICHTER
HL 31.3	Tue	10:30–11:00	H2	First-principles studies of Dirac-cones in graphene and 3D topological insulators — ●GUSTAV BIHLMAYER
HL 31.4	Tue	11:15–11:45	H2	Lifetime broadening of topological surface states with and without magnetic moments — ●OLIVER RADER, MARKUS SCHOLZ, JAIME SÁNCHEZ-BARRIGA, ANDREI VARYKHALOV, DMITRY MARCHENKO, EMILE RIENKS, ANDREY VOLYKHOV, LADA YASHINA
HL 31.5	Tue	11:45–12:15	H2	Transport in topological insulators - experiments — ●CHRISTOPH BRÜNE
HL 58.1	Wed	15:00–15:30	H13	Potential and possibilities of copper oxide compounds — ●BRUNO K. MEYER
HL 58.2	Wed	15:30–16:00	H13	Intrinsic and hydrogen related impurities in Cu₂O — ●GRAEME WATSON
HL 58.4	Wed	16:45–17:15	H13	Accelerating efficiency enhancements in cuprous oxide thin films by applying a structured approach — ●TONIO BUONASSISI
HL 58.5	Wed	17:15–17:45	H13	Photoemission Spectra of CuO from First Principles: Quasiparticle Excitations and Beyond — ●CLAUDIA RÖDL, FRANCESCO SOTTILE, LUCIA REINING
HL 60.1	Wed	15:00–15:30	H16	Direct observation of coherent light matter interaction in room temperature semiconductor devices — ●GADI EISENSTEIN
HL 60.2	Wed	15:30–16:00	H16	Impact of coherent processes on the dynamics of quantum-dot lasers and amplifiers — ●KATHY LÜDGE
HL 60.3	Wed	16:00–16:30	H16	Ultrafast coherent exciton dynamics in individual quantum dots - phonons, coherent coupling, and CQED — ●WOLFGANG LANGBEIN
HL 60.4	Wed	16:45–17:15	H16	Optical Properties of coupled InAs submonolayer depositions in GaAs — ●UDO W. POHL, THOMAS SWITAIKI, ULRIKE WOGGON, JAN-HINDRIK SCHULZE, TIM D. GERMANN, ANDRÉ STRITTMATTER
HL 60.5	Wed	17:15–17:45	H16	Coherent optical control of quantum dot spins and spin-photon entanglement — ●SVEN HÖFLING, KRISTIAAN DE GREVE, PETER L. MCMAHON, DAVID PRESS, LEO YU, JASON S. PELC, CHANDRA M. NATARAJAN, NA YOUNG KIM, THADDEUS LADD, EISUKE ABE, SEBASTIAN MAIER, DIRK BISPING, CHRISTIAN SCHNEIDER, MARTIN KAMP, ROBERT H. HADFIELD, ALFRED FORCHEL, M. M. FEJER, YOSHIHISA YAMAMOTO
HL 72.1	Thu	9:30–10:00	H13	Defect reduction methods for GaN heteroepitaxial films grown along semipolar orientations — ●PHILIPPE VENNÉGUÉS
HL 72.2	Thu	10:00–10:30	H13	Identification of defects in semipolar GaN and (Al,Ga,In)N by cathodoluminescence spectroscopy — ●KLAUS THONKE, INGO TISCHER, MATTHIAS HOCKER, MANUEL FREY, FERDINAND SCHOLZ
HL 72.3	Thu	10:30–11:00	H13	Stacking fault elimination in heteroepitaxial semi-polar GaN — ●ARMIN DADGAR
HL 72.5	Thu	11:30–12:00	H13	Strain and Relaxation in Nonpolar and Semipolar GaN-based LEDs and Laser Diodes — ●KATHRYN KELCHNER, SHUJI NAKAMURA, STEVEN DENBAARS, JAMES SPECK
HL 72.6	Thu	12:00–12:30	H13	Semipolar GaN substrate grown on patterned sapphire substrate by hydride vapor phase epitaxy — ●KAZUYUKI TADATOMO, KEISUKE YAMANE, NARIHITO OKADA, HIROSHI FURUYA, YASUHIRO HASHIMOTO

Sessions

HL 1.1–1.4	Sun	16:00–18:30	H2	Tutorial: Coherent Control
HL 2.1–2.5	Mon	9:30–10:45	H2	Ultrafast phenomena
HL 3.1–3.9	Mon	9:30–14:00	H13	Focus Session: Electron-phonon interaction and ultrafast processes in semiconductors
HL 4.1–4.11	Mon	9:30–12:30	H15	III-V semiconductors: mainly wells and surfaces
HL 5.1–5.9	Mon	9:30–11:45	H16	Spintronics: mainly interfaces and heterostructures
HL 6.1–6.7	Mon	9:30–11:15	H17	Graphene: Magnetic fields (HL, jointly with O, TT)
HL 7.1–7.4	Mon	9:30–10:45	H10	Topological insulators 1 (MA, jointly with HL, O, TT)
HL 8.1–8.13	Mon	9:30–13:00	H20	Transport: Quantum dots, wires, point contacts 1 (TT, jointly with HL, O)
HL 9.1–9.10	Mon	10:30–13:15	H36	Focus Session: Frontiers of electronic structure theory I (O, jointly with HL, TT)
HL 10.1–10.9	Mon	11:30–13:45	H17	Graphene: Spin-orbit interaction (HL, jointly with O, TT)
HL 11.1–11.7	Mon	12:00–13:45	H16	Quantum information systems: mostly quantum dots
HL 12.1–12.5	Mon	12:15–13:30	H1	Charge transfer effects in molecular materials I (CPP, jointly with BP, DS, HL)
HL 13.1–13.5	Mon	12:45–14:00	H15	Preparation and characterization
HL 14.1–14.1	Mon	13:30–14:00	H2	Invited Talk: Chris van de Walle
HL 15.1–15.11	Mon	15:00–19:20	H2	Focus Session: Crystalline n-type semiconducting oxides - SnO₂, Ga₂O₃, and In₂O₃ for novel devices (HL, jointly with O)
HL 16.1–16.9	Mon	15:30–18:00	H13	Theory: Metal-insulator transitions / Electronic structure calculations
HL 17.1–17.8	Mon	15:00–17:00	H15	Interfaces and surfaces
HL 18.1–18.6	Mon	15:00–16:30	H16	Lasers and LEDs I
HL 19.1–19.1	Mon	15:00–15:30	H17	Invited Talk: Stephan Winnerl
HL 20.1–20.10	Mon	15:00–18:00	H10	Topological insulators 2 (MA, jointly with HL, O, TT)
HL 21.1–21.9	Mon	15:00–17:30	H18	Transport: Quantum dots, wires, point contacts 2 (TT, jointly with HL)
HL 22.1–22.5	Mon	15:00–17:45	H20	Focused Session: Correlations in topological bands (TT, jointly with HL, MA, O)
HL 23.1–23.7	Mon	15:00–17:30	H40	Charge transfer effects in molecular materials II (CPP, jointly with BP, DS, HL)
HL 24.1–24.12	Mon	16:00–19:00	H17	Graphene: Electronic properties and transport (O, jointly with HL, TT)
HL 25.1–25.13	Mon	16:00–19:15	H36	Focus Session: Frontiers of electronic structure theory II (O, jointly with HL, TT)
HL 26.1–26.7	Mon	16:45–18:30	H16	Lasers and LEDs II
HL 27.1–27.24	Mon	17:00–20:00	Poster B1	Joint Poster Session: Functionalized semiconductor nanowires (DS, jointly with HL); Resistive switching (DS, jointly with DF, KR, HL)
HL 28.1–28.27	Mon	16:00–20:00	Poster A	Poster Session: Graphen; Transport properties; Transport in high magnetic fields / Quantum Hall effect; Metal-semiconductor hybrid systems
HL 29.1–29.28	Mon	16:00–20:00	Poster A	Poster Session: Spintronics; Spin-controlled transport; Topological insulators; Interfaces / Surfaces; Magnetic semiconductors
HL 30.1–30.6	Mon	17:15–18:45	H32	Organic electronics and photovoltaics I (DS, jointly with CPP, HL, O)
HL 31.1–31.5	Tue	9:30–12:15	H2	Focus Session: Dirac fermions in solid-state systems (HL, jointly with TT)
HL 32.1–32.10	Tue	9:30–12:00	H3	Spintronics and magnetic semiconductors (MA, jointly with HL)
HL 33.1–33.1	Tue	9:30–10:00	H13	Invited Talk: Hubert Krenner
HL 34.1–34.5	Tue	9:30–10:45	H15	Quantum dots and wires: Theory
HL 35.1–35.12	Tue	9:30–12:45	H17	Graphene: Transport (TT, jointly with HL, MA, O)
HL 36.1–36.6	Tue	9:30–12:45	H8	Focus Session: Functionalized semiconductor nanowires I (DS, jointly with HL)
HL 37.1–37.10	Tue	9:30–12:30	H20	Transport: Quantum dots, wires, point contacts 3 (TT, jointly with HL)

HL 38.1–38.12	Tue	9:30–12:45	H32	Organic electronics and photovoltaics II (DS, jointly with CPP, HL, O)
HL 39.1–39.9	Tue	10:15–12:45	H13	Optical properties
HL 40.1–40.10	Tue	10:30–13:15	H36	Focus Session: Frontiers of electronic structure theory III (O, jointly with HL, TT)
HL 41.1–41.6	Tue	11:15–12:45	H15	Quantum dots and wires: Preparation and characterization
HL 42.1–42.1	Tue	12:30–13:00	H2	Invited Talk: Gregor Mussler
HL 43.1–43.1	Tue	15:00–15:30	H2	Invited Talk: Stefan Ludwig
HL 44.1–44.5	Tue	15:00–16:15	H3	Photonic crystals
HL 45.1–45.5	Tue	15:00–16:15	H13	Transport in high magnetic fields / Quantum Hall effect
HL 46.1–46.5	Tue	15:00–16:15	H15	III-V semiconductors: mainly wires and dots
HL 47.1–47.1	Tue	15:30–16:00	H2	Invited Talk: Mitiko Miura-Mattausch
HL 48.1–48.14	Wed	9:15–13:00	H16	Topological insulators (HL, jointly with O, TT)
HL 49.1–49.12	Wed	9:30–12:45	H2	Molecular electronics (TT, jointly with CPP, HL, MA)
HL 50.1–50.11	Wed	9:30–12:30	H13	Organic semiconductors
HL 51.1–51.1	Wed	9:30–10:00	H15	Invited Talk: Jürgen Christen
HL 52.1–52.13	Wed	9:30–13:00	H17	Graphene: Characterization and devices (HL, jointly with MA, O, TT)
HL 53.1–53.7	Wed	10:00–11:45	H15	GaN: Devices
HL 54.1–54.11	Wed	10:30–13:30	H36	Focus Session: Frontiers of electronic structure theory IV (O, jointly with HL, TT)
HL 55.1–55.4	Wed	11:45–12:45	H8	Focus Session: Functionalized semiconductor nanowires II (DS, jointly with HL)
HL 56.1–56.4	Wed	12:00–13:00	H15	GaN: Optical characterization
HL 57.1–57.14	Wed	15:00–18:45	H2	Spintronics/Quantum information: Materials and methods (HL, jointly with TT)
HL 58.1–58.6	Wed	15:00–18:00	H13	Focus Session: Copper oxide semiconductors – An attractive material for photovoltaics?
HL 59.1–59.7	Wed	15:00–16:45	H15	Goup IV elements and their compounds I
HL 60.1–60.8	Wed	15:00–18:30	H16	Focus Session: Coherent dynamics in semiconductor nanostructures and coupled devices
HL 61.1–61.6	Wed	15:00–18:00	H20	Focused Session: Majorana fermions in condensed matter (TT, jointly with HL, MA, O)
HL 62.1–62.13	Wed	16:00–19:15	H17	Graphene: SiC substrates and intercalation (O, jointly with HL, TT)
HL 63.1–63.12	Wed	16:00–19:00	H33	Organic electronics and photovoltaics III (O, jointly with CPP, DS, HL)
HL 64.1–64.13	Wed	16:00–19:30	H36	Focus Session: Frontiers of electronic structure theory V (O, jointly with HL, TT)
HL 65.1–65.22	Wed	16:30–18:30	Poster C	Poster: Organic electronics and photovoltaics (CPP; jointly with HL, O)
HL 66.1–66.10	Wed	17:00–19:30	H15	GaN: Preparation and characterization of rods and wires
HL 67.1–67.10	Wed	16:00–20:00	Poster A	Focus Session (Posters): Crystalline n-type semiconducting oxides - SnO ₂ , Ga ₂ O ₃ , and In ₂ O ₃ for novel devices
HL 68.1–68.26	Wed	16:00–20:00	Poster A	Poster Session: GaN: devices & preparation & characterization; III-V semiconductors; Photonic crystals; Semiconductor lasers
HL 69.1–69.23	Wed	16:00–20:00	Poster A	Poster Session: II-VI semiconductors; Organic semiconductors; Heterostructures
HL 70.1–70.22	Wed	16:00–20:00	Poster A	Poster Session: Devices; Preparation and characterization; C/diamond; Si/Ge
HL 71.1–71.10	Thu	9:30–12:15	H2	Exciton polaritons and their condensates (HL, jointly with TT)
HL 72.1–72.9	Thu	9:30–13:15	H13	Focus Session: Extended defects in semi- and nonpolar GaN I
HL 73.1–73.7	Thu	9:30–11:15	H15	Devices
HL 74.1–74.10	Thu	9:30–12:15	H16	Quantum dots: Optical properties
HL 75.1–75.13	Thu	9:30–13:00	H18	Transport: Spintronics and magnetotransport 1 (TT, jointly with HL, MA)
HL 76.1–76.9	Thu	9:30–13:30	H32	Focus Session: Organic materials for spintronics – From spinterface to devices (DS, jointly with HL, MA, O)

HL 77.1–77.12	Thu	9:30–13:00	H34	Organic electronics and photovoltaics IV (CPP, jointly with DS, HL, O)
HL 78.1–78.11	Thu	10:30–13:15	H17	Graphene: Preparation and characterization I (O, jointly with HL, TT)
HL 79.1–79.10	Thu	10:30–13:15	H36	Focus Session: Frontiers of electronic structure theory VI (O, jointly with HL, TT)
HL 80.1–80.5	Thu	11:45–13:00	H15	II-VI-compounds other than ZnO
HL 81.1–81.12	Thu	14:45–18:15	H13	Focus Session: Extended defects in semi- and nonpolar GaN II
HL 82.1–82.10	Thu	15:00–17:45	H2	Quantum dots and wires: Cavities and photons
HL 83.1–83.6	Thu	15:00–16:30	H16	Transport I
HL 84.1–84.9	Thu	15:00–17:30	H17	Graphene: Theory (HL, jointly with O, TT)
HL 85.1–85.10	Thu	15:00–18:00	H18	Topological insulators (TT, jointly with DS, HL, MA)
HL 86.1–86.13	Thu	15:00–18:45	H34	Organic electronics and photovoltaics V (CPP, jointly with HL, O)
HL 87.1–87.7	Thu	15:45–17:30	H15	Goup IV elements and their compounds II
HL 88.1–88.12	Thu	16:00–19:00	H36	Focus Session: Frontiers of electronic structure theory VII (O, jointly with HL, TT)
HL 89.1–89.5	Thu	16:45–18:00	H16	Transport II
HL 90.1–90.18	Thu	16:00–20:00	Poster A	Poster Session: Quantum information systems; Optical properties; Ultrafast phenomena
HL 91.1–91.32	Thu	16:00–20:00	Poster A	Poster Session: Quantum dots and wires: preparation & characterization & optical properties & transport properties
HL 92.1–92.20	Thu	16:00–20:00	Poster A	Poster Session: Structure and transport in organic photovoltaics; Photovoltaics; Impurities/Amorphous semiconductors; New materials
HL 93.1–93.17	Fri	9:15–13:45	H2	Photovoltaics (HL, jointly with CPP, O)
HL 94.1–94.6	Fri	9:30–11:00	H13	Quantum wires and nanocrystals: Optical properties
HL 95.1–95.12	Fri	9:30–12:45	H14	Spintronics/Quantum information: Vacancies in diamond and SiC (HL, jointly with TT)
HL 96.1–96.10	Fri	9:30–12:15	H15	GaN: Growth and doping
HL 97.1–97.11	Fri	9:30–12:30	H16	ZnO
HL 98.1–98.13	Fri	9:30–13:00	H18	Topological insulators (TT, jointly with DS, HL, MA, O)
HL 99.1–99.4	Fri	9:30–10:30	H20	Transport: Spintronics and magnetotransport 2 (TT, jointly with HL, MA)
HL 100.1–100.12	Fri	9:30–12:45	H32	Resistive switching (DS, jointly with DF, HL, KR)
HL 101.1–101.10	Fri	10:30–13:00	H17	Graphene: Preparation and characterization II (O, jointly with HL, TT)
HL 102.1–102.8	Fri	11:15–13:15	H13	Quantum dots and wires: Transport

Symposium Charge Transfer Effects in Molecular Materials (SYCT)

SYCT 1.1	Mon	9:30–10:00	H1	A coarse grained QM/MM approach for the description of charge transfer in complex systems — ●MARCUS ELSTNER
SYCT 1.2	Mon	10:00–10:30	H1	Identifying and resolving charge separation in organic solar cells — ●EBERHARD RIEDLE
SYCT 1.3	Mon	10:30–11:00	H1	Quantifying the energy of charge transfer states: From molecular crystals to donor-acceptor blends — ●REINHARD SCHOLZ
SYCT 1.4	Mon	11:00–11:30	H1	Efficient Exciton Generation and Collection in Organic Solar Cells — ●MARK THOMPSON, CONG TRINH, STEVE FORREST, JERAMY ZIMMERMAN
SYCT 1.5	Mon	11:30–12:00	H1	Electron transport in organic single-crystal transistors and Schottky-gated heterostructures — ●ALBERTO MORPURGO

Symposium Strong Coupling in Solid State Quantum Systems (SYSC)

SYSC 1.1	Tue	9:30–10:00	H1	Exploring the Physics of Superconducting Qubits Strongly Coupled to Microwave Frequency Photons — ●ANDREAS WALLRAFF
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SYSC 1.2	Tue	10:00–10:30	H1	Hybrid Quantum Circuit with a Superconducting Qubit Coupled to an Electron Spin Ensemble — •YUIMARU KUBO, CECILE GREZES, IGOR DINIZ, JUN-ICHI ISOYA, VINCENT JACQUES, ANAIS DREAU, JEAN-FRANÇOIS ROCH, ALEXIA AUFFEVES, DENIS VION, DANIEL ESTEVE, PATRICE BERTET
SYSC 1.3	Tue	10:30–11:00	H1	Hybrid Quantum Systems with Rare-Earth Ion Spin Ensemble — •PAVEL BUSHEV
SYSC 1.4	Tue	11:00–11:30	H1	Quantum Coherent Coupling between a Mechanical Oscillator and an Optical Mode — EWOLD VERHAGEN, DALZIEL WILSON, VIVISHEK SUDHIR, NICOLAS PIRO, ALBERT SCHLIESSER, •TOBIAS KIPPENBERG
SYSC 1.5	Tue	11:30–12:00	H1	Exploring Quantum Light-Matter Interactions of Quantum Dots in Photonic Crystal Nanostructures — •JONATHAN FINLEY, ARNE LAUCHT, MICHAEL KANIBER, STEFAN LICHTMANNECKER, THORSTEN REICHERT, GUENTHER REITHMAIER, FABRICE LAUSSY, ULRICH HOHENEESTER

Symposium Thermoelectric and Spincaloric Transport in Nanostructures (SYTS)

SYTS 1.1	Wed	9:30–10:00	H1	Transport in Old and New Thermoelectric Materials — •DAVID SINGH
SYTS 1.2	Wed	10:00–10:30	H1	Binary oxide structures as model systems for thermoelectric transport — •PETER J. KLAR, CHRISTIAN HEILIGER
SYTS 1.3	Wed	10:30–11:00	H1	Functional oxides films: from single crystals to polycrystalline substrates — •WILFRID PRELLIER
SYTS 1.4	Wed	11:00–11:30	H1	The Planar Nernst Effect and the Search for Thermal Spin Currents in Ferromagnetic Metals — •BARRY ZINK
SYTS 1.5	Wed	11:30–12:00	H1	Tunneling magneto thermopower in magnetic tunnel junction nanopillars — NIKLAS LIEBING, SANTIAGO SERRANO-GUISAN, PATRYK KRZYSTECZKO, KARSTEN ROTT, GÜNTER REISS, JÜRGEN LANGER, BERTHOLD OCKER, •HANS WERNER SCHUMACHER

Symposium Quantum Plasmonics (SYQP)

SYQP 1.1	Wed	15:00–15:30	H1	Quantum plasmonics and applications in light harvesting — •PETER NORDLANDER
SYQP 1.2	Wed	15:30–16:00	H1	Deterministic quantum plasmonics with single nanodiamonds — •SERGE HUANT, ORIANE MOLLET, AURELIEN CUCHE, AURELIEN DREZET
SYQP 1.3	Wed	16:00–16:30	H1	Optically-active hybrid nanostructures: Exciton-plasmon interaction, Fano effect, and plasmonic chirality — •ALEXANDER GOVOROV
SYQP 1.4	Wed	17:00–17:30	H1	Quantum nano-optics: Interaction of metallic nano-particles with quantum emitters — •SALVATORE SAVASTA
SYQP 1.5	Wed	17:30–18:00	H1	Non-dipolar & magnetic interactions with optical antennas — ALBERTO CURTO, MARTIN KUTTGE, MARTA CASTRO-LÓPEZ, ION HANCU, TIM TAMINIAU, •NIEK VAN HULST

Symposium Photons for Magnetism (SYPM)

SYPM 1.1	Thu	15:00–15:30	H1	Ultrafast emergence of nanoscale ferromagnetism far from equilibrium — •HERMANN DÜRR
SYPM 1.2	Thu	15:30–16:00	H1	Free-Electron Laser for Ultrafast Measurements in Material Science — •SVEN REICHE
SYPM 1.3	Thu	16:00–16:30	H1	Nanomagnetism seen by Femtosecond X-rays — •STEFAN EISEBITT
SYPM 1.4	Thu	16:30–17:00	H1	Ultrashort Radiation Pulses at Storage Rings — •HOLGER HUCK
SYPM 1.5	Thu	17:00–17:30	H1	Every atom counts - Magnetic properties of supported metal atoms and small alloy clusters — TORBEN BEECK, IVAN BAEV, STEFFEN PALUTKE, KAI CHEN, SÖREN MEYER, KARI JÄNKÄLÄ, MICHAEL MARTINS, •WILFRIED WURTH

Symposium Frontiers of Electronic Structure Theory: Discovery of Novel Functional Materials (SYES)

SYES 1.1	Fri	9:30–10:00	H1	Molecular dynamics simulation of nucleation and growth of crystals from solution — ●MICHELE PARRINELLO
SYES 1.2	Fri	10:00–10:30	H1	Describing, understanding, and discovering hybrid materials from first principles — ●CLAUDIA DRAXL
SYES 1.3	Fri	10:30–11:00	H1	Mapping the Electronic Structure Landscape for Materials Discovery — ●KRISHNA RAJAN
SYES 1.4	Fri	11:00–11:30	H1	New ferroelectrics and antiferroelectrics by design — ●KARIN RABE
SYES 1.5	Fri	11:30–12:00	H1	The Materials Project: The design of materials using high-throughput ab initio computations — ●GERBRAND CEDER

Annual General Meeting of the Semiconductor Physics Division

Thursday 18:00 H14