Poster Session 2 (Wednesday 01.09, 17:20-19:20)

2D Materials (P2-61 – P2-78):

P2-61	Maciej Molas University of Warsaw	Excitonic complexes in n-doped WS_2 monolayer
P2-62	Kacper Oreszczuk University of Warsaw	Magnetic susceptibility of the electron gas in electrically gated $MoSe_2$ monolayer
P2-63	Leo Yu Stanford University	Complementary absorption and emission spectroscopy of gate-tunable moiré excitons in $MoSe_2/WS_2$ heterobilayers
P2-64	Deepankur Thureja ETH Zurich	Prospects for electrically tunable quantum confined excitons
P2-65	Antonio Tiene Universidad Autonoma de Madrid	Effect of fermion indistinguishability on the oscillator strength of trions in doped semiconductors
P2-66	Aleksander Rodek Univeristy of Warsaw	Exciton-exciton interactions in $MoSe_2$ probed by nonlinear spectroscopy in charge-tunable device
P2-67	Zakhar Iakovlev Ioffe Institute, St. Petersburg	Interlayer exciton-polaron in atomically thin semiconductors
P2-68		
P2-69	Miriam Karpińska, Laboratoire National des Champs Magnétiques Intenses – Toulouse	Mechanism of electronic coupling in a two-dimensional hybrid monolayer transition metal dichalcogenide/2D perovskite stack
P2-70		
P2-71	Aidan Campbell Heriot-Watt University, Edinburgh	Strongly correlated holes in a $MoSe_2/WSe_2$ Moiré superlattice
P2-72	Manuel Katzer TU Berlin	Förster-type energy transfer between molecules and atomically thin semiconductors
P2-73		
P2-74	Thilo Hahn University of Münster	Influence of the local field effect on nonlinear spectroscopy signals from 2D semiconductors
P2-75	Daniel Erben University of Bremen	Optical nonlinearities in the excited carrier density of atomically thin transition metal dichalcogenides

P2-76	Mark Akmaev Lebedev Physical Institute Moscow	Long-lived exciton dynamics in CVD-grown monolayer MoS_2
P2-77	Maxim Chernopitssky Lebedev Physical Institute Moscow	Low-temperature anti-Stokes luminescence in layered III-VI semiconductors
P2-78	Lukas Sigl TU Munich	Signatures of a degenerate many-body state of interlayer excitons

Exciton-polaritons, microcavities, plasmonics (P2-79 – P2-92):

P2-79	Junyang Huang University of Cambridge	Plasmon-induced trap state emission from single quantum dots
P2-80	Robert Salzwedel TU Berlin	Theory of coherent phonon mode excitation in metal nanoparticles
P2-81	Lars Klompmaker TU Dortmund	Transverse magnetic routing of exciton emission in hybrid semiconductor-metal nanostructures: Towards operation at room temperature
P2-82	Lara Greten TU Berlin	Exciton-plasmon coupling in two-dimensional semiconductors functionalized with metal nanoparticles
P2-83	Jan Suffczyński University of Warsaw	Magnetic field controlled, polariton-mediated energy transfer between quantum wells over 2.1 µm distance
P2-84	Vladimir Rumyantsev Donetsk Institute for Physics & Engineering	Exciton-polaritons in nonideal 1D and 2D supercrystals with arrays of microcavities containing quantum dots
P2-85	Andreas Mischok University of Cologne	Exploiting polariton dispersion in strongly coupled organic photonic devices
P2-86		
P2-87	Simon Betzold University of Würzburg	Spin and phase textures of exciton-polaritons in hemispherical organic microcavities
P2-88	Mikhail Misko Skolkovo Institute of Science and Technology, Moscow	Switching time and bandwidth of organic polariton gates

P2-89		
P2-90	Hassen Souissi Université de Montpellier	Polariton laser based on a GaN waveguide: towards micrometer-long lasers
P2-91	Léo Mallet-Dida Université Clermont-Auvergne	Excitonic Mott density in GaN: an experimental reassessment
P2-92	Lea Hermet Université Clermont-Auvergne	Determination of the Rabi splitting in ZnO waveguides as function of active layer thickness and excitation intensity

Excitons in colloidal materials (P2-93 – P2-97):

P2-93	Danil Tolmachev TU Dortmund	ODMR via exciton luminescence in II-VI colloidal nanoplateletes
P2-94	Igor Beloussov Institute of Applied Physics, Kishinev	Exciton and biexciton dynamics in CdSe/CdS/CdZnS colloidal quantum dots
P2-95	Vladimir Mantsevich Lomonosov Moscow State University	Diffusion-based kinetics of photoluminescence in semiconductor nanoplatelets
P2-96	Anastasia Golinskaya Lomonosov Moscow State University	Effect of the optical density on the CdSe/CdS nanoplatelets colloidal solutions nonlinear transmission
P2-97	Sveatoslav Moskalenko Institute of Applied Physics, Kishinev	Carrier multiplication in semiconductor quantum dots

Excitons in perovskites (P2-98 – P2-100):

P2-98	Yury Kapitonov St. Petersburg State University	The role of defect-related excitonic states in lasing in $MAPbI_3$ halide perovskite single crystals
P2-99	Ernest Rogowicz Wroclaw University of Science and Technology	Optical orientation and optical alignment of excitons in bulk $CsPbBr_3$ at low temperatures

P2-100	Gang Qiang TU Dortmund	Magneto-optics of excitons in CsPbI3 perovskite nanocrystals embedded in fluorophosphate glass matrix

Quantum dots and spins (P2-101 – P2-106):

P2-101		
P2-102	Hendrik Mannel University of Duisburg-Essen	An Auger-assisted electron spin-flip in a single quantum dot
P2-103	Artur Trifonov TU Dortmund	Strong enhancement of heavy-hole Landé factor q in InGaAs symmetric quantum dots revealed by coherent optical spectroscopy
P2-104	Karolina Połczyńska University of Warsaw	Manipulation of electric state of QDs with single magnetic dopants
P2-105	Marcel Ney Universität Duisburg-Essen	Magnetic field dependence of the Auger recombination rate in a self-assembled quantum dot
P2-106	Benoit Eble Institut des nanosciences de Paris	Optical activity of dark excitons in GaAs/AlGaAs quantum dots grown by nanohole infilling

Spin related phenomena (P2-107 – P2-117):

P2-107	Ilya Akimov TU Dortmund	Optical orientation of electron spins in semiconductor-metal hybrid nanostructures via plasmon-to-exciton spin conversion
P2-108	Aleksandr Kamenskii TU Dortmund	Magnetic invariance of anisotropic centers in cubic crystals verified by spin noise spectroscopy
P2-109	Eiko Evers TU Dortmund	Shielding of the external magnetic field by dynamic nuclear polarization in (In,Ga)As quantum dots
P2-110		
P2-111	Dmitry Azamat Ioffe Institute, St. Petersburg	Spin echo studies in GaN:Fe. Spin-phonon relaxation and ligand hyperfine interactions
P2-112	Nikolai Kozyrev Ioffe Institute, St. Petersburg	The role of magnetic polarons in the formation of exciton and trion photoluminescence spectra
P2-113	Felix Godejohann TU Dortmund	Selective excitation of trion magnetic polarons in a narrow semimagnetic quantum well

P2-114	Andrei Shumilin Ioffe Institute, St. Petersburg	Current noise in organic semiconductors induced by nuclear spin dynamics
P2-115	Nikolai Romanov Ioffe Institute, St. Petersburg	Excitons as probes for testing normal and inverted interfaces in GaAs/AlAs superlattices
P2-116	Timur Shamirzaev Rzhanov Institute of Semiconductor Physics, Novosibirsk	Spin dynamics of excitons in thin indirect band gap (Ga,Al)(Sb,As)/AlAs quantum wells
P2-117	Aleksandr Golovatenko Ioffe Institute, St.Petersburg	Theory of exciton spin precession in CdSe nanocrystals

Rydberg excitons (P2-118 – P2-119):

P2-118	Josip Bajo KTH Royal Institute of Technology, Stockholm	Rydberg excitons in mesoscale Cu_2O obtained via optimized growth processes
P2-119	Anindya Sundar Paul University of St. Andrews	Towards strong coupling of Rydberg excitons in Cu_2O to photons in an open tunable microcavity