

PLMCN 2020 Poster program

Poster session 1: Tuesday, 27th of October 2020, 18:00-20:00

Last name	First name	Title
Alyatkin	Sergey	Optical design of bandstructure in Lieb lattices of polariton condensates
Baryshev	Stepan	Second-order correlations of spinor polariton condensates in a trap
Cookson	Tamsin	Observation of giant vortices in geometrically frustrated polygons of polariton condensates
Duque	Carlos	Pyramidal core-shell quantum dot under applied electric and magnetic fields
Gallart	Mathieu	Recombination dynamics in high energy (3.5 eV) GaN/AlN quantum dots: Simple modeling of the time-resolved photoluminescence in the weak excitation regime
Garrot	Damien	Exciton Recombination Dynamics in Two-dimensional Halide Perovskites
Gnusov	Ivan	Polarization dynamics in optically confined polariton condensates
Gorbunov	Alexander	1) Slow thermalization and fast spin transport in a Hall insulator
Gorbunov	Alexander	2) Locally incompressible fractional quantum Hall state at a filling factor of $3/2$
Grigoryev	Philipp	Exciton-light coupling in wide InGaAs quantum wells
Harrison	Stella	Realising a Liquid Light Machine to Solve the Max-3-Cut Problem
Hichri	Aida	Resonance energy transfer from localized excitons in two-dimensional transition metal dichalcogenide to graphene. Dielectric environment effect.
Huber	Tobias	Latest progress in quantum dots in micro-cavities for scaleable photonic applications
Kozin	Valera	Exciton-exciton interactions in the presence of an electron gas
Lawless	Julia	Rabi Splitting of Gold Nano-bipyramids coupled to Monolayer MoS
Liran	Dror	Guided Dipolar Exciton-Polaritons with tunable interactions
Mazuz-Harpaz	Yotam	Dynamical formation of a strongly correlated dark condensate of dipolar exciton
Mund	Johannes	Optical harmonic generation on exciton-polaritons in ZnSe crystals
Nataf	Pierre	Superradiant Quantum Phase transition in Rashba Cavity QED
Opala	Andrzej	Neuromorphic computing in polariton lattice systems
Restrepo	Ricardo León	Excitons in colloidal quantum dots of CdS, CdSe, CdTe
Wasak	Tomasz	Fermi-polaron dynamics in driven-dissipative 2D materials
Deligiannis	Konstantinos	Exploring Kardar-Parisi-Zhang universality sub-classes with exciton polaritons
Septembre	Ismael	Parametric amplification of topological interface states in synthetic Andreev bands

Poster session 2: Wednesday, 28th of October 2020, 10:50-13:00

Last Name	First Name	Title
Bogucki	Aleksander	Ultra-long-working-distance Spectroscopy of Single Nanostructures with Aspherical Solid Immersion Micro-lenses
Sawicki	Krzysztof	Triple threshold lasing from a photonic trap in a Te/Se-based optical microcavity
Seidelmann	Tim	Phonon-induced quality enhancement of photonic states generated from quantum dots
Solovev	Ivan	Accessing dark excitons in InGaAs/GaAs quantum well via spin-dependent photon echo
Suffczynski	Jan	Interaction of distant quantum emitters in magnetically controlled coupled microcavities
Walther	Valentin	Plasma-enhanced Nonlinear Interaction of Cu ₂ O Rydberg Excitons
Wurdack	Matthias	Novel method for passivation and protection of WS ₂ monolayers as a route towards high-density exciton polaritons at room temperature
Zimmerman	Michal	Attractive Dipolar Coupling between Stacked Exciton Fluids
Seemann	Wilken	Influence of edge roughness on the optical properties of ZnSe-based microdisks
Khaywah	Mohammad	Photoluminescence enhancement of YAG:Ce coatings through coupling to 2D colloidal Ag nanocubes arrays
Ko	Dogyun	Partial quantum revivals of localized condensates in distorted lattices
Kreyder	Geoffrey	Screening of exciton-polaritons in a ZnO waveguide
Lorchat	Etienne	Interlayer excitons in pristine bilayer MoS ₂ with strong oscillator strength
Mirek	Rafal	Time-delayed nonlinear interactions in semimagnetic exciton-polariton condensates
Navadeh Toupchi	Morteza	Localized photon lasing in a polaritonic lattice landscape
Pernet	Nicolas	Non-linearities in polaritonic SSH lattice
Sedov	Evgeny	Exciton-polariton polarization rectifier
Subbotin	Stanislav	Static superfluidity in a dissipative cold exciton gas with spatially-separated excitation
Zubac	Ion	The influence of the exchange electron-hole Coulomb interaction on the formation of superposition states of two-dimensional magnetoexcitons
Rapaport	Ronen	Strong interactions in correlated dipolar quantum fluids of excitons and polaritons
Brimont	Christelle	Diamagnetic shift and Mott transition of indirect excitons in GaN/(AlGa)N heterostructures
Vashisht	Amit	Bose Polaron in a quantum fluid of light
Leblanc	Charly	High-Frequency Exciton-Polariton Clock Generator