

DAY 1. Wednesday, April 9th

Session 1. 08:45-10:00. Quantum Optics of Excitons and Polaritons. Chairman: Zhanghai Chen

Time	Duration	Speaker & Title
08:45	15'	Conference opening
09:00	35'	Wang Yao Keynote Hybrid moiré excitons in twisted homobilayer TMDs
09:35	25'	Alexey Kavokin Entanglement of exciton polariton condensates

Coffee Break: 10:00-10:30

Session 2. 10:30-11:45. Quantum Optics of Excitons and Polaritons. Chairman: Wang Yao

10:30	35'	Mark Fox Keynote Purcell-enhanced quantum-dot single-photon sources
11:05	25'	Jin Liu Semiconductor Cavity Quantum Electrodynamics
11:30	15'	Hui Li Ultrafast Dynamics of exciton polaritons at room temperature

Lunch: Yifu Building

Session 3. 14:00-15:50. Excitons, Exciton Polaritons, Magnon Polaritons.

Chairman : Alexey Kavokin

Time	Duration	Speaker & Title
14:00	35'	Sven Höfling Keynote Telecom Wavelength Quantum Dot Single-Photon Sources for Quantum Technologies
14:35	25'	Canming Hu The forgotten pioneers of polaritons
15:00	25'	Pavlos Savvidis ProtoTopic Polariton Superfluid Qubit Analog in an Annular Trap
15:25	25'	Fabrice Laussy Quantum characterization of a polariton BEC

Coffee Break: 15:50-16:20

Session4. 16:20-17:35. Quantum Optics of Nano&Micro Cavities. Chairman: Pavlos Savvidis

Time	Duration	Speaker & Title
16:20	35'	Yuri Kivshar Keynote Chiral metaphotonics and Mie-tronics
16:55	25'	Xiulai Xu Mode and Polarization control of photonic molecules
17:20	25'	Said Rodriguez Continuous-Wave Nonlinear Polarization Control and Signatures of Criticality in a Perovskite Cavity

DAY 2. Thursday, April 10th – Session A**Session1:** 08:30-10:00. Dissipative Coupling and Organics Polaritons, Chairmen: Yuri Kivshar

Time	Duration	Speaker & Title
08:30	25'	Jiang Xiao Interpreting S-Parameter Spectra in Coupled Resonant Systems - The Type of Probing Configurations
08:55	25'	Dmitry Solnyshkov Topological polaritonics with organic materials
09:20	25'	Hongbing Fu Realization of exciton-mediated optical spin-orbit interaction in organic microcrystalline resonators for circularly polarized electroluminescence
09:45	15'	Henri Lyyra Criteria for Polaritonic Enhancement of OLEDs Beyond the Single-excitation case

Coffee Break: 10:00-10:30

Session2: 10:30-11:50. Quantum Dots& Quantum Light Sources. Chairman: Jin Liu

Time	Duration	Speaker & Title
10:30	25'	Luca Sapienza Quantum Photonic Devices with Integrated Quantum Dots
10:55	25'	Alexey Toropov Single-photon emission at 1.55 μm wavelength in a metamorphic quantum dot microcavity under resonant coherent excitation
11:20	15'	Yuriy Serov Quantum dots anisotropy as a resource in multiphoton entanglement
11:35	15'	M. Rakhlin Fiber-coupled single-photon source based on InAs/GaAs quantum dots in cylindrical microresonators

Lunch: Yifu Building

Session3: 14:00-15:30. Quantum Dots& Quantum Light Sources. Chairman: Sven Höfling

Time	Duration	Speaker & Title
14:00	25'	Zhiliang Yuan A pure-state model for resonance fluorescence of a two-level quantum emitter
14:25	25'	Elena Del Valle Multiphoton emission from a single-photon source and Single-photon emission from multiple levels
14:50	25'	Moritz Cygorek Phonon effects on quantum emitters and novel tools for fast yet exact simulation

Coffee Break: 15:30-16:00

Session4: 16:00-17:55. Polariton Condensation. Chair: Elena Del Valle

Time	Duration	Speaker & Title
16:00	25'	Zuniga Perez Jesus In-plane polaritons: from edge-emitting polariton lasing to long-distance propagation
16:25	25'	Xinfeng Liu Exciton polariton condensation from BIC at room temperature
16:50	25'	Yong-Hoon Cho Room temperature polariton condensation and control in GaN-based whispering gallery mode and superscar mode microcavities
17:15	25'	Qing Zhang Room temperature exciton-polariton condensation of perovskite microcavities
17:40	15'	Bo Han Exciton-polariton condensate in the van der Waals magnet CrSBr

Dinner: Beachfront Linjia Restaurant

DAY 2. Thursday, April 10th– Session B**Session1:** Quantum Optics of 2D Materials 08:30-10:10. Chairmen: Tatiana V. Shubina

Time	Duration	Speaker & Title
08:30	25'	Qihua Xiong T.B.C.
08:55	25'	Shiwei Wu Magnetic polymorphism in 2D layered antiferromagnets
09:20	25'	Yu Ye Exciton behavior in magnetic semiconductor CrSBr and its related optoelectronic devices
09:45	25'	Yang Xu Interplay between moiré superlattices and Rydberg excitons

Coffee Break: 10:10-10:40

Session2: 10:40-12:00. Polariton Supersolid, Chairmen: Qihua Xiong

Time	Duration	Speaker & Title
10:40	25'	Daniele Sanvitto Quantum fluids of light: from condensation to emergent supersolidity
11:05	25'	Guillaume Malpuech Observation of a supersolid phase in a spin-orbit coupled excitonpolariton Bose-Einstein condensate
11:30	25'	Dario Gerace Theory of polariton condensation in multi-band photonic crystal waveguides

Lunch: Buffet in Yifu Building

Session3: Exciton Polaritons in TMDs 14:00-15:45. Chairmen: Mikhail Glazov

Time	Duration	Speaker & Title
14:00	25'	Tatiana V. Shubina Excitons and exciton-polaritons in strained nanostructures of transition metal dichalcogenides
14:25	25'	Shunping Zhang Plasmonic nanocavity: Ultimate field enhancement for plasmon-exciton coupling
14:50	25'	Chenjiang Qian Exciton-Photon-Phonon Interactions in Hybrid 2D-Material Nanophotonic Cavities
15:15	15'	Zheng Sun Quantum Dynamics of Polaron Polariton In a Doped MoSe2 Based Microcavity
15:30	15'	Jiaxin Zhao Exciton polariton interactions in Van der Waals superlattices

Coffee Break: 15:45-16:15

Session4: Excitons and Electrons in 2D system. 16:15-17:55. Chairmen: Shiwei Wu

Time	Duration	Speaker & Title
16:15	25'	Mikhail Glazov Light-assisted exciton propagation in 2D semiconductors
16:40	15'	Hongyi Yu Engineering topological exciton structures in two-dimensional semiconductors by a periodic electrostatic potential
16:55	15'	Qingjun Tong Non-Hermitian theory of valley excitons in two-dimensional semiconductors
17:10	15'	M.A. Bastarrachea Magnani Ultra-strong trion polaritons
17:25	15'	Dmitry K. Efimkin Giant resonant skew scattering of plasmons in a two-dimensional electron gas
17:40	15'	Dongxue Chen Excitonic insulator in 2D moiré superlattices

Dinner: Beachfront Linjia Restaurant

DAY 3. Friday, April 11th

Excursion: Gulang Yu Lunch: Buffet in Gulang Yu Dinner: Buffet in Yifu Building
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DAY 4. Saturday, April 12th**Session1:** Topological Polaritons 08:30-10:00. Chairmen: Dmitry Krizhanovskii

Time	Duration	Speaker & Title
08:30	25'	Sebastian Klemmt Topological edge and corner modes in polariton lattices
08:55	25'	Wenjing Liu Title T.B.C
09:20	25'	Rui Su Polariton spin Hall effect in perovskite microcavities
09:45	15'	Shalva Tsiklauri Trions in buckled two-dimensional materials

Coffee Break: 10:00-10:30

Session2: Quantum Optics of Materials 10:30-11:50. Chairmen: Yu Ye

Time	Duration	Speaker & Title
10:30	25'	Jun Zhang Spin-Charge-Lattice Interactions in 2D Magnets
10:55	25'	Kai-Qiang Lin Electric tunable multi-valley van der Waals quantum wells
11:20	15'	Yunan Gao Title T.B.C
11:35	15'	Sanja Djurdjic Mijin Towards the use of sound for time-bin encoding of photonic qubits for secure quantum communication

Lunch: Buffet in Yifu Building

Session3: Quantum Optics & Manybody Physics 14:00-15:45. Chairmen: Guillaume Malpuech

Time	Duration	Speaker & Title
14:00	25'	Pavlos Lagoudakis Title T.B.C
14:25	25'	Dmitry Krizhanovskii Few photon optical phase rotation induced by giant polariton-polariton interactions
14:50	25'	Ivan Savenko On the light-matter coupling in 2D superconducting thin films
15:15	15'	Sergei V. Koniakhin Universal condensation threshold dependence on pump beam size for exciton-polaritons; Or: Polariton graphene analogue for optical snake states and ratchet effect observation
15:30	15'	Meng Sun Bogoliubov mediated light absorption process in multi-component BEC

Coffee Break: 15:45-16:15

Session4: Polariton Lattice 16:15-17:45. Chairmen: Sebastian Klemmt

Time	Duration	Speaker & Title
16:15	25'	Michael Fraser Floquet optical lattices for exciton-polariton condensates
16:40	25'	Hai Son Nguyen Polaritonic Metasurface Based on Halide Perovskite
17:05	25'	Xuekai Ma Polariton mode manipulation near non-Hermitian exceptional points
17:30	15'	Feng Jin Topological exciton-polaritons in halide perovskite microcavity

Dinner: Buffet in Yifu Building

DAY 5. Sunday, April 13th**Session1:** 08:30-10:00. Quantum Optics and Manybody Physics Chairmen: Fabrice Laussy

Time	Duration	Speaker & Title
08:30	25'	Fengcheng Wu Quantum Geometry Probed by Chiral Excitonic Optical Response of Chern Insulators
08:55	25'	Qingdong Jiang Symmetry-Breaking Vacuum Quantum Light-Matter Interactions
09:20	25'	Zhiyuan Sun Floquet engineering of many-body states by the ponderomotive potential
09:45	15'	Alberto Muñoz de las Heras Improving quantum metrology protocols with programmable photonic circuits

Coffee Break: 10:00-10:30

Session2: 10:30-11:40. Quantum Optics and Manybody Physics Chairmen: Sebastian Klemmt

Time	Duration	Speaker & Title
10:30	15'	Feng Li Wave chaotic dynamics in optical microcavities in curved space
10:45	15'	Weihang Zhou Cavity-enhanced Superfluorescence in Perovskite Microcavities
11:00	15'	Huawen Xu Nonreciprocal Exciton Polariton Ring Lattices
11:15	15'	Vladimir Al. Osipov Bi-self-trapping of excitons via the long-living phonon mode and their superfluorescent markers

Lunch: Buffet in Yifu Building

Session3: 14:00-15:10. Polaritons in Perovskite and Organics. Chairmen: Xuekai Ma

Time	Duration	Speaker & Title
14:00	15'	Xiaozhe Liu Versatile exciton-photon coupling in two-dimensional semiconductors
14:15	15'	Jun Wang Title T.B.C
14:30	15'	Emmanouil G. Mavrotsopoulos Topological Photonics in Anisotropic 2D Hybrid Perovskite Microcavities
14:45	15'	Shaocong Hou Title T.B.C

Coffee Break: 15:00-15:30

Session4: 15:40-17:10. Quantum Optics and Devices. Chairmen: Feng Li

Time	Duration	Speaker & Title
15:30	15'	Nathan Seet Exciton-Polariton Dynamics with the Nonlinear Maxwell-Bloch Finite Difference Time-Domain (FDTD) Algorithm
15:45	15'	Shula Chen Title T.B.C
16:00	15'	Zhihui Chen Study on the regulation and mechanism of nonlinear optical second and third harmonics in low symmetry two-dimensional materials
16:15	15'	Z.-E. Su Continuous and deterministic all-photonic cluster state of indistinguishable photons
16:30	15'	Muhammad Zubair Nawaz Next Generation Wearable Sensors for Real-Time Health Monitoring
16:45	15'	Xin Li, Van der Waals Exciton Polaritons with Linewidth Approaching Homogeneous Limit
17:00	15'	Closing & Announcement of PLMCN2026

Dinner: Buffet in Yifu Building