

International School on Nanophotonics, Photovoltaics and Metamaterials (ISNP 2019)

Scientific Program

	FRIDAY April 12	SATURDAY April 13	SUNDAY April 14	MONDAY April 15	TUESDAY April 16	WEDNESDAY April 17
09:00-09:40	9:00am <i>Transfer from Havana</i>	Sven Höfling Single-photon quantum technologies	Jonathan Finley Quantum optical studies of III-V dots and 2D-materials	EXCURSION	Vasilis Apostolopoulos Controlling graphene plasmonics in the THz regime using light	Departure Day
9:40-10:20		Kevin O'Donnell In Pursuit of the Classical Qubit	Dmitry Krizhanovskii Nonlinear trion- and neutral exciton-polaritons		Polina Kuzhir Radiative tolerance of supported graphene-based THz components for space applications	
10:20-11:00		Konstantinos Lagoudakis Ultrafast coherent qubit control in solid state platforms	Pavlos Lagoudakis All-optical polariton transistor		Claudio Balocco THz Metamaterials for Beam Modulation, Shaping, and Chemical Identification	
11:00-11:30		<i>Coffee Break & <u>Posters</u></i>	<i>Coffee Break & <u>Posters</u></i>		<i>Coffee Break & <u>Posters</u></i>	
11:30-12:10		Georgy Shlyapnikov Disorder-related phase transitions in many-body quantum systems	Stefan Maier Plasmonics for energy conversion at the nanoscale: photons, phonons and hot electrons		Anvar Zakhidov Dual Function Photovoltaics: Light Emitting Solar Cells based on Perovskite tandems	
12:10-12:50		Pavlos Savvidis Polariton condensate lattices: A novel quantum simulator platform	Dmitry Zuev Hybrid Metal-Dielectric Nanophotonics: current progress and new horizons		Mark Portnoi 20 min All-silicone DBRs for Light Solar Concentrators	
12:50-13:30		Zhanghai Chen Simulation of Ising chain using polaritonic system at room temperature	Alexey Akimov Nanophotonics with color center in diamond		Oleg Kibis Optically controlled electronic properties of nanostructures	
13:30-15:30		<i>Lunch</i> 15:20 Opening	<i>Lunch</i>		<i>Lunch</i>	
15:30-16:10	Ataç İmamoğlu Polariton-electron interactions in 2D systems	Eros Mariani Tunable "Dirac Light" in Cavity-Embedded Metasurfaces	Alexey Yulin Resonant interactions and synchronization of polariton condensates		Mikhail Petrov Quantum transport and optical forces with spin-locked surface waves	
16:10-16:50	David Snoke Interactions of polaritons: What we know and don't know	Anton Nalitov Topological Polaritonics: Theory	Martin Klaas 20 min Coherence and Photon Statistics of Polariton Condensates		Mohammed Es-Souni Optical Properties of layered noble metal and nanocomposite structures	
			Julian Töpfer 20 min Tunable two-level systems of macroscopically coupled polariton condensates in inorganic microcavities			
16:50-17:30	Alexey Kavokin Drag effect in polariton superfluids	Sebastian Klembt Exciton-Polariton TI from an experimentalist perspective	Nina Voronova High-Tc direct exciton Bose condensation		Galia Pozina Properties of GaN microcavities formed by planar nanostructures	
17:30-18:00	<i>Coffee Break</i>	<i>Coffee Break & <u>Posters</u></i>	ISNP Beach Volleyball Tournament		Closing & Best Poster <i>Coffee Break</i>	
18:00-18:40						
19:30	WELCOME PARTY			SOCIAL DINNER		