

Scientific Program ICP2DC 2024 - International Conference on Physics of Two-Dimensional Crystals 2024

Tuesday 2nd July 2024	9:30	Welcome and introduction			
	10:00	INVITED TALK 1	Durnev	Mikhail	Intervalley mixing of interface excitons at TMDC-based lateral heterojunctions
	10:30	INVITED TALK 2	Lazic	Snezana	Cost-efficient deterministic engineering of quantum light sources in 2D semiconductors
	11:00	Coffee			
	11:30	INVITED TALK 3	Toropov	Alexey	Single-exciton photoluminescence spectroscopy in a GaN monolayer in AlN
	12:00	INVITED TALK 4	Shubina	Tatiana	Excitons and exciton-polaritons in mono- and dichalcogenide nanostructures
	12:30	ORAL 1	De Simoni	Beatriz	Optical Transitions of Some MPS3 Layered Compounds Under Hydrostatic Pressure
	12:50	Lunch			
	14:30	INVITED TALK 5	Djurdjić Mijin	Sanja	Raman Spectroscopy Study of Two-Dimensional van der Waals magnets
	15:00	INVITED TALK 6	Nestoklon	Mikhail	Landé Factors in Lead Halide Perovskites and their nanostructures
	15:30	Oral 2	Rybak	Miłosz	Magneto-optical anisotropies of two-dimensional antiferromagnetic MPX
	15:50	Panel Discussion/Talk 7	Speaker 1st da	All	Optical properties of 2D materials
	16:20	Coffee			
	17:00	Round Table Discussion	All	All	The use of Artificial Intelligence for material discovery
18:00	End of the I day				

Wednesday 3rd July 2024	9:30	INVITED TALK 8	Holleitner	Alexander	Spatially coherent many-body exciton ensembles in 2D heterostructures
	10:00	INVITED TALK 9	Volkov	Valentyn	Giant optical anisotropy in van der Waals materials: perspectives and challenges
	10:30	INVITED TALK 10	Zendejdel	Mahmoud	Advances in low-dimensional perovskite structures for high-performance perovskite solar cells and modules
	11:00	Coffe			
	11:30	INVITED TALK 11	Saranin	Danila	Advances for interface engineering for inverted perovskite solar modules and testing in ambient conditions
	12:00	INVITED TALK 12	Anichini	Cosimo	Solution-processed two-dimensional materials for energy applications
	12:30	ORAL 3	Ciesiolkiewicz	Karolina	Optical Transmission and Photomodulated Spectra Analysis of VdWs crystals placed on Fiber Tips
	12:50	Lunch			
	14:30	INVITED TALK 13	Portnoi	Mikhail	Momentum alignment of photoexcited carriers and optical valley separation in two-dimensional Dirac materials
	15:00	INVITED TALK 14	Cordero	Francesco	Phase transition in thick metallic films of Ti3C2Tx MXene: possible sliding ferroelectricity
	15:30	INVITED TALK 15	Kusmartsev	Fedor	Electron-hole and clustered liquids and crystals in 2D materials
	16:00	ORAL 4	Kravchenko	Sergey	Collective depinning and sliding of a quantum Wigner crystal in a two-dimensional electron system
	16:20	Coffee			
	17:00	Round Table Discussion			The physics of 2D materials: what is still open ?
18:00	End of the II day				

Thursday 4th July 2024 EXCURSION

Friday 5th July 2024	9:30	INVITED TALK 16	Stratakis	Emmanuel	Pulsed Laser Assisted Generation of Novel Materials and Related Applications
	10:00	INVITED TALK 17	Illarionov	Yury	Recent progress in understanding and improvement the reliability of 2D electronic devices
	10:30	INVITED TALK 18	Ifor	Samuel	Organic Optoelectronics: Faster and Brighter
	11:00	Coffee			
	11:30	INVITED TALK 19	Kymakis	Emmanuel	Perovskite PV industrialization via 2D materials interface engineering
	12:00	INVITED TALK 20	Di Carlo	Aldo	MXenes and othe 2D materials in new generation photovoltaics
	12:30	ORAL 5	Nikbakht	Hafez	Low-temperature encapsulation approach for perovskite solar panels based on two-dimensional hexagonal boron nitride
	12:50	Lunch			
	14:30	INVITED TALK 21	Reale	Andrea	Printable thermoelectric devices based on graphene nanoplatelets and organic semiconductor composites for low temperature grade energy harvesting
	15:00	ORAL 6	Budkin	Grigory	Shift photocurrents in transition metal dichalcogenide monolayers taking account of Coulomb interaction
	15:20	ORAL 7	Król	Konrad	Single-layer Mo(SXSe1-X)2 FET: Effect of temperature on electrical properties
	15:40	Round Table Discussion	all	All	The role of 2D materials in technology. The and hat will be next
	17:00	End of the conferenc /Coffee.			