

1st Day 17 September 2026 (Thursday)			2nd Day 18 September 2026 (Friday)		
09:00 – 09:50	Registration & Welcome Coffee		Chair (Jan Hostaša)		
09:50 – 10:00	Opening Ceremony		9.30 - 10.00	Nadiia Rebrova	Ultraviolet Luminescence of Praseodymium-Doped Wide-Bandgap Phosphors: Spectroscopic Properties, Luminescence Mechanisms, and Applications
Chair (Mykhailo Chaika)					
10.00 - 10.30	Stanislav Balabanov	Growth and doping technologies of zinc chalcogenide gain media for mid-infrared lasers	10.00 - 10.15	Przemysław Dereń	The factors that make the upconversion phosphor efficient
			10.15 - 10.30	Vitalii Boiko	Understanding the role of defects in the persistent luminescence of ZnGa ₂ O ₄ spinels
10.30 - 10.45	Maciej Kowalczyk	Cr ²⁺ :ZnS/Se gain crystals for ultrastable and ultrafast mid-IR laser sources	10.30 - 10.45	Sergii Ubizskii	The powder synthesis and ceramics sintering of substituted spinel compositions as matrix for optical applications
10.45 - 11.00	Karolina Suliga	Exploiting the Cr:ZnS gain medium’s electro-optic properties for laser phase stabilization	10.45 - 11.00	Oleh Vovk	Study of the single crystal of Na ₃ Cr ₃ (PO ₄) ₄ phosphate with 2D superstructure
11:00 – 11:30	Coffee Break		11:00 – 11:30	Coffee Break	
Chair (Sergii Ubizskii)			Chair (Paweł Głuchowski)		
11.30-12.00	Juraj Kajan	Possibilities of the Horizontal Directed Crystallisation (HDC) growth method for sapphire, Re:YAG and eutectic ceramics	11.30-12.00	Karol Bartosiewicz	Structure-dependent near-infrared luminescence of Fe ³⁺ in single and eutectic oxide crystals
12.00 - 12.15	Yuliia Rumiantseva	HPHT sintering of optically transparent LiGa ₅ O ₈ ceramic	12.00 - 12.15	Anton Markovskiy	Dual-Layer YAG:Cr/YAG:Ce Ceramics: Fabrication and Temperature-Dependent Luminescence
12.15 - 12.30	Yaroslav Zhydachevskyy	Tuning the crystal structure, optical band gap and persistent luminescence performance of Cr ³⁺ -doped LiGa ₅ O ₈ spinel by adding aluminum and indium	12.15 - 12.30	Andrii Shyichuk	Dodecahydrogen uranium: an icosahedral high-spin f-electron superatom with potential for quantum information applications
12.30 - 12.45	Anastasiia Karabut	Impact of excess lithium on the persistent luminescence and thermoluminescence behavior of undoped and Cr ³⁺ -actived Li _{1+x} Ga ₅ O ₈ spinel	12.30 - 12.45	Bernardo Tavares	Interfacial dynamics and process bottlenecks in the fabrication of transition metal-coated diamond powders via HFCVD for magnetic hyperthermia
12.45 - 13.00	Akash Shankar Padole	Synthesis, structural and luminescence properties of new high-entropy perovskites (La _{1/3} Gd _{1/3} Y _{1/3}) _{1-x} M _x AlO _{3-δ} :Mn ⁴⁺ (M = Ca, Sr)	12.45 - 13.00	Wiesław Stręk	Modelling of laser-induced white emission of graphene
13:00 – 14:30	Lunch Break		13:00 – 14:30	Lunch Break	
Chair (Yaroslav Zhydachevskyy)			Chair (Przemysław Deren)		
14.30-14.45	Ihor Syvorotka	Growth and optical properties of YAG:Cr ⁴⁺ single crystalline epitaxial films	14.30-14.45	Vojtěch Nečina	Transparent ceramics by cold sintering process: Dream or reality?
14.45-15.00	Mykhailo Chaika	The feature of Cr ⁴⁺ doped Y ₃ Al ₅ O ₁₂ transparent ceramic spectroscopic properties	14.45-15.00	Jan Hostaša	Stabilizing Cr ⁴⁺ in Cr:YAG transparent ceramics by MgO
15.00 - 15.15	Paweł Kubica-Cypek	Optical Properties and Potential Applications of Monochiral SWCNTs Isolated via Conjugated Polymer Extraction	15.00 - 15.15	Rémy Boulesteix	Role of fluorine on the elaboration and optical properties of RE:Y ₂ O ₃ transparent ceramics (with RE = Ho ³⁺ , Er ³⁺ , Tm ³⁺)
15.15 – 15:30	Andrzej Dzienia	Tuning Near-Infrared Luminescence in Single-Walled Carbon Nanotubes through Conjugated Polymer Extraction and Covalent Defect Engineering	15.15 – 15:30	Nathan Kerkad	Transparent Al ₂ O ₃ :Cr ³⁺ ceramics manufactured by Spark Plasma Sintering: correlations between microstructure, doping content and optical properties
15:30 – 16:00	Coffee Break		15:30 – 16:00	Coffee Break	
16:00 – 17:30	Poster session		Chair (Rémy Boulesteix)		
			16.00 - 16.15	Pawel Gluchowski	Low-dimensional materials for sustainable energy conversion
			16.15 - 16.30	Dominika Czekanowska	Composition-controlled PMS activation over Cu-Co Tungstates for photocatalytic degradation of Acetaminophen
20:00 – 23:00	Dinner & Networking		16.30 - 16.45	Oleksii Bezkravnyi	Ru/Ceria-Based Catalysts for Important Environmental Reactions
	Młoda Polska Bistro & Pianino		16.45 - 17.00	Astita Dubey	Transition Metal-Doped bismuth ferrite Nanoparticles for Catalysis
	Plac Solny 4, Wrocław		17.00 - 17.30	Closing Conference and final remarks	