

WEDNESDAY, 10.09 / Room B-70				
	Abstract ID	Presenter	Title	Session Chair
8:30 - 8:45				
8:45 - 9:00				
9:00 - 9:15	1516	Benediktas Brasiunas	The Impact of Nanostructure Morphology on Electrochemical Biosensor Design	Szalkowski
9:15 - 9:30				
9:30 - 9:45	1517	Viktorija Liustrovaite	Designing Viral Electrochemical Biosensors Using Gold Nanostructure Based Approaches	
9:45 - 10:00				
10:00 - 10:15	1565	Almira Ramanaviciene	Electrochemical Glucose Biosensors Based on Gold Nanostructures	Ramanaviciene
10:15 - 10:30				
10:30 - 11:00	Coffee Break			
11:00 - 11:15	1467	Marcin Szalkowski	Photon Avalanche Upconversion - New Opening for Rare Earths Doped Nanomaterials	
11:15 - 11:30				Ramanaviciene
11:30 - 11:45	1900	Jaspreet Kaur Randhawa	Contrast Agents for MRI Imaging: Engineering the Surface Chemistry for Effective Theranostics	
11:45 - Noon	1542	Samed Gunus	Investigation of a Magnetic Levitation Density Measurement System	
Noon - 12:15	1539	Natalia Charczuk	Smart Apatites: Engineering Multifunctional Carriers for Targeted Delivery and Fluorescent Tracking of Nonsteroidal Anti-Inflammatory Drugs (NSAIDs)	
12:15 - 12:30	1823	Amretashis Sengupta (remote)	Strain Sensitive Electronic and Optical Properties of Janus 2D AISse	Brasiunas
12:30 - 2:00	Lunch			
2:00 - 2:15	1903	Jin-Woo Kim	Crafting Nano-Hybrid Materials: Bridging Design and Application in Nanobiotechnology	Brasiunas
2:15 - 2:30				
2:30 - 2:45	1541	Oleg Lupan (remote)	Nanomaterials for Biomedical and Industrial Hybrid Sensors	
2:45 - 3:00				
3:00 - 3:15	1641	Matteo Bruno Lodi	On the Modeling and Eexperimental Invastigations of Microwave Hyperthermia Enhanced by Nanoparticles	Brasiunas
3:15 - 3:30				
3:30 - 3:45	1564	Coskun Harmansah	A Study on the Influence of Magnetic Nanoparticle Concentration on Heating Efficiency in Magnetic Hyperthermia	
3:45 - 4:00	1534	Martina Lenzuni	Effects of MRI-activated Magnetoelectric Nanoparticles in Colorectal Cancer Cells: Insights from In Silico and In Vitro Studies	
4:00 - 4:15	1595	Yong-Ji Chen	Targeted Chitosan Nanocapsules with Hyaluronan Synthase for Enhanced Endogenous Hyaluronic Acid Secretion in Osteoarthritis	
4:15 - 4:30				
4:30 - 4:45	e-POSTER SESSION			
4:45 - 5:00				
5:00 - 5:15				
5:15 - 5:30				
5:30 - 6:00	Gala Dinner			
6:00 - 6:30				
6:30 - 7:00				
7:00 - 7:30				
7:30 - 8:00	Gala Dinner			
8:00 - 9:00				

WEDNESDAY, 10.09 / Room C-70

	Abstract ID	Presenter	Title	Session Chair
8:30 - 8:45				
8:45 - 9:00				
9:00 - 9:15	1873	Teruo Ono	3D Domain Wall Motion Memory with Artificial Ferromagnet	Wintz
9:15 - 9:30				
9:30 - 9:45	1875	Roman Khymyn	Towards Magnonic Computational Annealers	
9:45 - 10:00				
10:00 - 10:15	1841	Gyorgy Csaba	Magnonic Wave Processing for Edge AI Applications	Csaba
10:15 - 10:30				
10:30 - 11:00	Coffee Break			
11:00 - 11:15	1870	Silvia Viola Kusminskiy	Magnons as Information Carriers in Hybrid Quantum Architectures	
11:15 - 11:30				Csaba
11:30 - 11:45	1612	Andrii Chumak	Towards Quantum Magnonics Operating with Propagating Magnons	
11:45 - Noon				
Noon - 12:15	1845	Sebastian Wintz	X-ray Imaging of Spin Dynamics in Highly Anisotropic Ferrimagnets	
12:15 - 12:30				
12:30 - 2:00	Lunch			
2:00 - 2:15	1838	Andrea Morales	General Purpose Magnetometer – Comparison of Scanning NV, MFM and MOKE	Urbanek
2:15 - 2:30				
2:30 - 2:45	1839	Michal Urbanek	Probing Nanoscale Spin Waves with Wavevector Resolution	
2:45 - 3:00				
3:00 - 3:15	1611	Rostyslav Serha	Long-Living Magnons at the Quantum Limit	Urbanek
3:15 - 3:30				
3:30 - 3:45	1749	Marcin Kurpas	Spin-Orbit Proximity Effects in Hybrid 1D/2D Van der Waals Heterostructures	
3:45 - 4:00				
4:00 - 4:15	1909	Atsufumi Hirohata (remote)	Skyrmion Motion under the Interfacial Improvement by a Pulsed Current	
4:15 - 4:30				
4:30 - 4:45	e-POSTER SESSION			
4:45 - 5:00				
5:00 - 5:15				
5:15 - 5:30				
5:30 - 6:00	Gala Dinner			
6:00 - 6:30				
6:30 - 7:00				
7:00 - 7:30				
7:30 - 8:00				
8:00 - 9:00				

WEDNESDAY, 10.09 / Room SAV				
	Abstract ID	Presenter	Title	Session Chair
8:30 - 8:45				Marschall
8:45 - 9:00				
9:00 - 9:15	1598	Oksana Yastrubchak (remote)	Band-Structure Engineering in MBE-grown Mn-doped Multicomponent Dilute Semiconductors and Topological Semimetals	
9:15 - 9:30				
9:30 - 9:45	1670	Bohdana Blyzniuk	In Situ Electrical Transport and STM Morphology Studies of Fe ₃ O ₄ (001) Ultrathin Films on MgO	
	1466	Mariia Babiichuk	Phase composition versus stoichiometry and fabrication temperature of Si oxynitride films by thermodynamic modeling	Lotnyk
9:45 - 10:00				
	1418	Divya Gupta	ENERGY-DEPENDENT NITROGEN ION IRRADIATION OF MGO FILMS: STRUCTURAL AND FUNCTIONAL MODIFICATIONS	
10:00 - 10:15				
10:15 - 10:30				
10:30 - 10:45			Coffee Break	
10:45 - 11:00	1687	Milan Tapajna	Transport and Thermal Properties of Heteroepitaxial Ga2O3 MOSFETs Grown by Liquid-injection MOCVD	Lotnyk
11:00 - 11:15				
	1533	Hemendra Chouhan	The Origin of Enhanced Crystal Quality of Heteroepitaxially Grown (-201) β-Ga2O3 on off-cut Sapphire Substrate by LI-MOCVD	
11:15 - 11:30				
	1802	Fridrich Egyenes	Effect of High Electric Fields on β-Ga2O3/Sapphire: Exploring Possible Threshold-Switching	
11:30 - 11:45				Lotnyk
	1510	Maksym Sadovnykov (remote)	Modeling of Cascade Lasing Features Within Telecommunication Windows in Active Silica Fibers Using Raman Photonics	
11:45 - Noon				
	1525	Vladyslav Zaika (remote)	Modeling of Multiwaves Pumped Raman Amplification in DCF Type Silica Fiber with Minimal Gainband Ripples Within C+L Telecommunication Windows	
Noon - 12:15				
	1526	Zoya E. Eremenko	Surface Plasmon Polaritons Propagation Length Enhancement and Gain in AB-stacked Bilayer Graphene with Inverted State	Lotnyk
12:15 - 12:30				
12:30 - 2:00			Lunch	
2:00 - 2:15	1386	Svitlana Kopyl	Piezoelectric 2D Self-Assembled Peptide Crystals and Thin Films	Lotnyk
2:15 - 2:30				
	1777	Barbara Pacakova	Naturally Occurring Wide Band Gap 2D Semiconductor with Antiferromagnetic Ground State	
2:30 - 2:45				
	1380	Deepa Kummattummam Govindan	a-WO3 Thin Films for Energy Efficient Electrochromic Smart Windows	
2:45 - 3:00				Lotnyk
	1651	Özden Güneş Yıldız	Beyond Graphene: Hydrogenated Borophene as a Next-Generation Adsorbent for Ultra-Fast Water Purification	
3:00 - 3:15				
3:15 - 3:30	1566	Anna Yanovska	Biodegradable Chitosan-Alginate Hydrogels Enriched with Hydroxyapatite for Sustainable Agriculture	
	1724	Navjeet Kaur B Lotey	Nano-Enhanced Hydroponics: Impact of Zinc and Manganese Oxide Nanoparticles on Growth and Biochemical Profile of Phaseolus Lunatus	
3:30 - 3:45				Lotnyk
	1478	Halina Mykhailova	Copper – Carbon Nanocomposites: Synthesis, Structure, Electrophysical Properties	
3:45 - 4:00				
	1469	Delal Ezzeddin Al Momani	Novel MoS ₂ /GO/Chitosan Nanocomposite Membrane for Simultaneous Removal of Dye and Heavy Metal from Wastewater	
4:00 - 4:15				
	1404	Akbar Esmaeili	Production of Drinking Water Based on the Condensation Process and Solar Panels	Lotnyk
4:15 - 4:30				
4:30 - 4:45				
4:45 - 5:00			e-POSTER SESSION	
5:00 - 5:15				
5:15 - 5:30				Lotnyk
5:30 - 6:00				
6:00 - 6:30				
6:30 - 7:00				
7:00 - 7:30				
7:30 - 8:00			Gala Dinner	Lotnyk
8:00 - 9:00				