

TUESDAY, 9.09 / Room B-70				
	Abstract ID	Presenter	Title	Session Chair
8:30 - 8:45				Novosad
8:45 - 9:00				
9:00 - 9:15	1851	Olena Fedchenko	Momentum Microscopy as a Tool for a Comprehensive Study of Electronically Corelated Materials	
9:15 - 9:30				
9:30 - 9:45	1857	Maria Christine Richter	Electron correlation in TMDC compounds by resonant ARPES	
9:45 - 10:00				Prem Felix Siril
10:00 - 10:15	1878	Saleem Ayaz Khan	Flat Bands Formation in the Dice Lattice: Case of Hf(0001)	
10:15 - 10:30				
10:30 - 11:00	Coffee Break			
11:00 - 11:15	1852	Vladimir Komanicky	Development of Electrocatalysts for Hydrogen Production Based on Thin Films	
11:15 - 11:30				Komanicky
11:30 - 11:45	1503	Ivan Saldan	Pd Nanocubes with Different Size for Hydrogen Evolution Reaction	
11:45 - Noon	1846	Dusan Strmcnik	Understanding the Role of Nickel Surface Species in Alkaline HER: From Model Interfaces to Nanostructured Catalysts	
Noon - 12:15				
12:15 - 12:30	1760	Josep Albero	Preparation of Ni and Mo Single Atoms Pairs as Electrocatalyst in Urea Formation by Pulsed Electrocatalysis	
12:30 - 2:00	Lunch			Brasiunas
2:00 - 2:15	1795	Prem Felix Siril	Continuous Flow Methods for The Synthesis of Conjugated Polymer Nanoparticles for Environment Remediation	
2:15 - 2:30				
2:30 - 2:45	1639	Tomas Homola	Enhancing Photocatalytic Degradation of Pharmaceutical Pollutants in Wastewater Using Air Plasma-Treated g-C3N4: Insights from XPS and DFT study	
2:45 - 3:00	1717	Nima Eshaghi Gorji	AFM, SEM, Transmission-Reflection and Ellipsometry Analysis of TiO2 Photocatalytic Coating on Glass Substrate for Self-Cleaning Surface Applications	
3:00 - 3:15	1507	Yuliia Mazurenko	Influence of Rare Earth Doping on the Photocatalytic Behavior of Nanoscale Spinel Oxides	Novosad
3:15 - 3:30	1468	Maria Eugenia Perez Barthaburu	Evaluation of Chromium (VI) Reduction Mediated by the Hybrid Nanocatalyst Bi19S27I3-PEG	
3:30 - 4:00	Coffee Break			
4:00 - 4:15	1405	Neelam Vihswkarma	Advancing Eearly Ovarian Cancer Detection: a Dual-Working Electrochemical Biosensor Approach	
4:15 - 4:30	1809	Guy Patchornik	Doubly His6-tagged Proteins - A Potential New Class of Biomaterials	
4:30 - 4:45	1575	Larysa Baraban	Nanomaterils and Devices for Signal Amplification in Biosensing: Electronic and Plasmonic Approaches	Novosad
4:45 - 5:00				
5:00 - 5:15	1904	Iaroslav Gniliitskyi	Femtosecond Laser-induced Periodic Surface Structures on Mxene	
5:15 - 5:30				
5:30 - 6:00	Poster Session 2			
6:00 - 6:30				Novosad
6:30 - 7:00				
7:00 - 7:30				
7:30 - 8:00				
8:00 - 9:00	MXene NIGHT			

TUESDAY, 9.09 / Room C-70				
	Abstract ID	Presenter	Title	Session Chair
8:30 - 8:45				
8:45 - 9:00				
9:00 - 9:15	1668	Khrystyna Levchenko	Tunable Spin-Wave Dynamics in 2D YIG Magnonic Crystals: Insights from Experiments and Simulations	Bazaliy
9:15 - 9:30				
9:30 - 9:45	1569	Oleksandr Tovstolytkin	YIG-Based Materials: Improved Physical Properties and Application Benefits	
9:45 - 10:00				
10:00 - 10:15	1850	Jun Cheng	Magnon Field Effect Transistor	
10:15 - 10:30				
10:30 - 11:00	Coffee Break			
11:00 - 11:15	1674	Yuko Ichiyanagi	Gd-Doped Mn–Zn Ferrite Nanoparticles for Theranostic Applications: Structural, Magnetic, and Functional Evaluation	Levchenko
11:15 - 11:30				
11:30 - 11:45	1899	Dieter Suess	From Theoretical Limits to Nanofabricated Designed Particles for Hyperthermia	
11:45 - Noon				
Noon - 12:15	1500	Toshiyuki Shima	Improvement of Coercivity for SmFeCo ₁₂ Magnetic Thin Film	
12:15 - 12:30				
12:30 - 2:00	Lunch			
2:00 - 2:15	1848	Tetsuya Nakamura	Synchrotron-Driven Multimodal Characterization of Functional Materials at NanoTerasu	Tretiakov
2:15 - 2:30				
2:30 - 2:45	1843	Pedram Khalili	Electrically Controlled All-Antiferromagnetic Tunnel Junctions	
2:45 - 3:00				
3:00 - 3:15	1849	Yaroslav Bazaliy	Alternating Current Hanle Effect on a Single Ferromagnet/Normal Metal Interface	
3:15 - 3:30				
3:30 - 4:00	Coffee Break			
4:00 - 4:15	1570	Andreas Kaidatzis	Synthesis and Properties of L10 Mn-based Spintronic Materials	Prokopenko
4:15 - 4:30				
4:30 - 4:45	1814	Oleg Tretiakov	Antibimerons: Physics and Potential Applications	
4:45 - 5:00				
5:00 - 5:15	1780	Jaroslav Tobik	Ferrotoroidal Order by Symmetry-Breaking	
5:15 - 5:30				
5:30 - 6:00	Poster Session 2			
6:00 - 6:30				
6:30 - 7:00				
7:00 - 7:30				
7:30 - 8:00				
8:00 - 9:00	MXene NIGHT			

TUESDAY, 9.09 / Room SAV				
	Abstract ID	Presenter	Title	Session Chair
8:30 - 8:45				
8:45 - 9:00				
9:00 - 9:15	1396	Nicola Pinna	Disordered Versus Ordered Niobates as Electrode Materials for Rechargeable Batteries	Bardea
9:15 - 9:30				
9:30 - 9:45	1606	Karol Frohlich	Li-Ion Battery Silicon/Graphite Anode Performance Enhanced by Atomic Layer Deposition and Electrolyte Additive	
9:45 - 10:00	1633	Prangya Parimita Sahoo	High Voltage Dual-ion LNMO/Graphite Cathodes Coated with Alumina Layers by Atomic Layer Deposition	
10:00 - 10:15	1495	Ali Abo Hamad	Urea-Assisted Etching of Silicon Microparticles for Lithium-Ion Battery Anodes	
10:15 - 10:30	1893	Syun Hong Chou	An Integrated Multifunctional Self-Powered Platform for Synergistic Harvesting of Mechanical and Electromagnetic Energy toward Accelerated Wound Healing	
10:30 - 11:00	Coffee Break			
11:00 - 11:15	1377	Amos Bardea	Advanced Organic Electronic Smart Material with Magnetoresistance and Piezoresistance Properties	Pinna
11:15 - 11:30				
11:30 - 11:45	1628	Ali Zavabeti	Multifunctional Two-Dimentional Coatings from Liquid Metals	
11:45 - Noon				
Noon - 12:15	1867	Mikhael Bechelany	Recent Developments and Novel Applications of Atomic Layer Deposition (ALD) on Highly Porous Materials	
12:15 - 12:30				
12:30 - 2:00	Lunch			
2:00 - 2:15	1461	Andriy Lotnyk	Nanoscale Study of Phase Change Memory Thin Film Heterostructures Grown by Pulsed Laser Deposition	Frohlich
2:15 - 2:30				
2:30 - 2:45	1464	Roland Marschall	Low-Temperature Syntheses of Nanostructured High-Entropy Oxide and Sulfide Electrocatalysts	
2:45 - 3:00				
3:00 - 3:15	1856	Laura Madalina Cursaru	The influence of high entropy alloys (HEA) composition on the corrosion resistance of DC magnetron sputtered HEA coatings	
3:15 - 3:30				
3:30 - 4:00	Coffee Break			
4:00 - 4:15	1375	Mira Baraket	3D structured local thin film deposition by Micro Direct Atomic Layer Deposition (μ DALP™)	Cursaru
4:15 - 4:30				
4:30 - 4:45	1659	Michal Pecz	Atomic layer testing substrate (ALTS) for atomic layer deposition conformality evaluation	
4:45 - 5:00	1652	Helle-Mai Piirsoo	Functionalizing Powders with Atomic Layer Deposition	
5:00 - 5:15	1911	Andrii Kozak	Nano- and Macroscale Tribological Properties of the PtSe ₂ Layers with Different Morphology in Ambient Air and Vacuum Conditions	
5:15 - 5:30	1441	Eduardo Ceretta Moreira	COLLAGEN-ASSISTED SYNTHESIS OF Nb ₂ O ₅ NANOPARTICLES FOR SERS APPLICATIONS	
5:30 - 6:00	Poster Session 2			
6:00 - 6:30				
6:30 - 7:00				
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7:30 - 8:00	MXene NIGHT			
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