

Room	BETA 1	BETA 2	GAMMA	KSI
Wednesday 11 September				
	Biophotonics - Riga Symposium	Nanomagnetism & Magnetic Materials	Multifunctional Thin Films & Coatings	Nanoscale Characterization & Imaging
8:30-8:45	W. Blondel et al. Multimodal Optical Spectroscopy and Machine Learning For Human Skin Cancer In Vivo Diagnosis	O. Treibakov et al. Statics and Dynamics of Bimerons in Magnetic Topological Materials	J. Garcia-Martin et al. Nanostructured Thin Films with Nanocolumns and Nanoparticles: Sputtering-Based Manufacturing and Recent Applications	S.W. Hla et al. X-RAYING JUST ONE ATOM
8:45-9:00				
9:00-9:15	G. Salerud et al. Snapshot Hyperspectral Imaging And Artificial Neural Networks Reveals Microcirculatory Blood Oxygen Saturation	J. Tobik et al. Towards Magnetically Ordered Artificial Spin Crystals	J.-P. Simonato et al. Percolative 2D networks of Silver Nanowires. From Nanomaterial Large Scale Production to Real Life Application of Flexible Transparent Film Heaters	H. Asaoka et al. Surface Stress Anisotropy of Silicon Reconstruction
9:15-9:30				
9:30-9:45	T. Novikova et al. What Could We Learn about Biological Tissue by Probing It with Polarized Light	D. Sheka et al. Geometry-Governed Effects in Curvilinear Magnetism: Fundamentals and Applications	Z. Zhang et al. Gaining insights into nitride multilayer deformation—an atomic-level view	S. Hans et al. SURFACE MODIFICATION BY LOW ENERGY ION BEAM
9:45-10:00				
10:00-10:15	B. Roth et al. Multimodal Spectroscopic And Imaging Methodology For Skin Diagnostics	J. Kharlan et al. Creation of the magnetic skyrmions by the stray fields produced by superconductor ring	M.S. Mehr et al. Annealing Effect on Structural and Mechanical Properties of Atomic Layer Deposited Cr2O3 Films Doped with Ti and Al	A. Len et al. Exploring Nanostructural Behaviour of Xero- and Aerogels through Small Angle Neutron Scattering
10:15-10:30		D. Karakats et al. Domain Wall Automation in Curved Ferromagnetic Nanostripes by Cross-section Tailoring	R. Musily et al. Organic-Inorganic Nanocomposites for Solar Devices	P. Ananthasubramanian et al. UNDERSTANDING THE COHESIVE AND ADHESIVE FAILURES IN NOVEL MULTILAYERED SWCNT-REINFORCED PDMS COMPOSITES USING NANO SCRATCH TECHNIQUE
10:30-10:45	Coffee break			
10:45-11:00				
	Ultrashort Laser-matter Interactions & Materials Processing	Nanomagnetism & Magnetic Materials	Multifunctional Thin Films & Coatings	Nanosensors, Nanodevices & Applications
11:00-11:15	Ia. Onilitskiy et al. Femtosecond laser-induced surface modification: theory and applications	G. Finocchio et al. New Opportunities for Spintronic Technology from Internet of Things to co-Processors	J. R. Sánchez-Valencia et al. Plasma Synthesis of Multifunctional Thin Films and 3D Nanoarchitectures for Energy Harvesting Applications	Ch. Kim et al. Advancements in Robust Planar-Hall Magnetoresistive Sensors for On-Demand Applications
11:15-11:30				
11:30-11:45	M. Han et al. Interactions of MXene with Electromagnetic Waves	M. Mizuguchi et al. Synthesis of Fe-Based New Magnets	B. Postolnyi et al. High-Entropy Alloys and Their Perspectives for Mitigation of Microbiologically Influenced Corrosion	A. Di Bartolomeo et al. Back-Gated Field-Effect Transistors with 2D Materials and Their Heterojunctions
11:45-12:00				
12:00-12:15	K. Sugioka et al. GHz BURST MODE FEMTOSECOND LASER PROCESSING	D. Suess et al. Spin-Orbit Torque Sensors with Offset Cancellation for 3D field measurements	L. Shaginyan et al. Calorimetric Measurements of the Temperature of Metallic Targets During Magnetron Sputtering A. Barari et al. Towards Real-time Quality Control in Spark-Assisted Chemical Engraving (SACE) Process	S. Kopyl et al. The Role of Water in Self-assembled Peptides:Contribution to Structure and Properties
12:15-12:30	Lunch break			
12:30-12:45	Excursion: 1. RTU (Riga Technical University) 2. EDI (Institute of Electronics and Computer Science) 3. ISSP (Institute of Solid State Physics, University of Latvia)			
12:45-1:00				
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5:00-5:15				
5:15-5:30				
5:30-6:00				
6:00-7:00	e-Poster Session (in Discord)			
7:00-7:30	Gala Dinner (University of Latvia, Botanic Garden)			
8:00-9:00				
9:00-10:00				
10:00-12:00				