DAY 1 - Wednesday, 29 October 2025	HUB TUCN - G. Baritiu street, no. 4	DAY 2 - Thursday, 30 October 2025		HUB TUCN - G. Baritiu street, no. 4			DAY 3 - Friday, 31 October 2025		HUB TUCN - G. Baritiu street, no. 4		
		8.30-9.00	Participants Registration	Auditorium Hall - 3rd floor			9.00-9.45	Invited paper 4 - I4 Auditorium Ha 3rd floor	- Spintronic	Lucian Prejbeanu is applications for computing, sensing and intelligent communication	
		9.00-9.30	Openning Ceremony	Auditorium Hall - 3rd floor			9.45-10.30	Invited paper 5 - I5 Auditorium Ha 3rd floor		Juan-Josep Sunol ced Materials Obtained by Mechanical Alloying/Milling	
		9.30-10.15	Invited paper 1 - I1	Auditorium Hall - 3rd floor	Nanoma	Christophe Couteau aterials for light sources for quantum technologies	10.30-11.00	Coffee break Entrance hall 3	d floor		
		10.15-10.45	Coffee break	Entrance hall 3rd floor			11.00-11.45	Invited paper 6 - I6 Auditorium Ha 3rd floor	- Neutron sc	Olivier Isnard attering a useful tool to probe materials and processes	
		10.45-11.30	Invited paper 2 - I2 Auditorium Hall - 3rd floor		Nicoleta Lupu From Microstructure Tailoring to Anisotropy Control: Functional Amorphous Magnetic Wires for Advanced Applications		11.45-12.15	Keynote Auditorium Ha 3rd floor		Paul Mihai o IP to Product- a journey from academia to semiconductor industry	
		11.30-12.15	Invited paper 3 - I3	floor		Yuval Golan Nanomaterials @ Interfaces: Chemical Routes for Size, Shape and Phase Controlled Nanomaterials		12.15-13.00 Sponsors presentation Auditorium Hall- 3rd floor		·	
		12.15-12.45	MDPI presentation	Auditorium Hall - 3rd floor			13.00-14.00	Lunch Entrance hall 3	d floor		
		12.45-14.00		Entrance hall 3rd floor Paralel sessions				Paralel session			
		Session 1 Hall A (3rd floor)	Chairs: L.G.Bujoreanu, F.	Popa	Session 2 Hall B (3rd floor)	Chairs: R. E. Ionescu, C. Popa	Session 1 Hall A (3rd floor)	Chairs: V. D. Cojocaru, T. Marinca	Session 2 Hall B (3rd floor)	Chairs: F. Miculescu, C. Popa	
		14.00-14.30	Keynote: L. G. Bujoreanu Fe-Mn-Si-based shape memory alloys: an alternative to NITINOL		14.00-14.30	Keynote: R. E. Ionescu Disposable biosensors based on nanostructured substrates for effective monitoring of human biomarkers and environmental contaminants	14.00-14.30	Keynote: V.D. Cojocaru Specific phenomena occurring during TI processing of UNS S32750/EN 1.4410/Fi Super Duplex Stainless Steel (SDSS)		Keynote - F. Miculescu 3D printed bone reconstruction products with improved antibacterial and mechanical properties	
	14.30-14.4 14.45-15.0		F. Tolea Superposed Shape Memory and Magnetocaloric Effects in Ni ₅₀ Mn _{3x} Sb ₁₆₋₃ X ₃ (X = Cu, Co, Gd) Heusler Compounds		14.30-14.45	N. L. Paut Characterization of magnetotactic bacteria using advanced microscopic techniques	14.30-14.45	A. T. A. Man Formation mechanism and structure evolution of the off-stoichiometric Ni50Mn30Sn20 Heusler alloy obtained b mechanical alloying	14.30-14.45	61 - Tiberiu Sutic Degradation behavior of Zn-based alloys	
			C. Nicolicescu Influence of the composition on the tribological behavior of AU/SIC composites materials		14.45-15.00	B. P. Burduhos-Nergis Enhancement of the surface properties of titanium alloy by phosphate chemical conversion coating	14.45-15.00	O. D. Jucan Influence of Cobalt Particle Size on Magne Saturation, Density and Microstructure i WC-Co Materials		10-Battatu Madalina Simona Comparison of Ti-Mo-Zr-Ta alloys obtained by conventional processing and selective laser melting for biomedical use	
		15.00-15.15	A. Furdui Core-shell Fe-Si-Al@oxides powder prepared from nanocrystalline Fe-Si-Al particles by HCl solution reaction		15.00-15.15	D. M. Vranceanu Assessment of electrochemically deposited Mg- and Zn-doped hydroxyapatite coatings on nanostructured titanium substrate	15.00-15.15	S. Noveanu Piezoelectric actuators optimization for compliant mechanisms	15.00-15.15	87 - T. Petrovan Review of magnesium alloys for bone implants-biodegradability, biocompatibility and mechanical properties	
		15.15-15.30	H. F. Chicinaş Optimizing microstructure through carbon control with Push-Pull gas cycling in Hard Metals		electrochemical techniques		15.15-15.30	E. M. Cojocaru Microstructure and mechanical propertic evolution during heat treatment of ASTN A694 F65 alloy		64 - Gabriela Sima Friction and wear behavior of biomaterials used in dental and orthopaedic surgery applications: a review	
		15.30-16.30	F	SESSION (Chairs: N. A. Sechel, C.V. Entrance hall 3rd floor ică, M. Bodea)					Entrance hall 3rd floor		
		16.30-17.00	Effect of the measurem interfacial magnetic pro	M. Gabor Belmequenai eent temperature on the operties of Pt/Co-based ous capping layers	16.30-17.00	Chairs: C. M. Cotruţ, B. Neamtu Keynote: C. M. Cotruţ Metallic surface biofunctionalization by electrochemical techniques	16.00-16.30	Chairs: I. Chicinas, O. Isnard Keynote: I. C. Vladu Powder metallurgical processing of copp graphene composite and their mechanic and thermal properties		Chairs: A. Pascu, Gy. Thalmaier Keynote: A. Pascu Laser cladding of CuNi alloyed powders	
17.00-20.00 Participants Registration	Main Hall - Groundfloor	17.00-17.15	A. Tab Zinc oxide nanopar halogenosilanes with a	acaru	17.00-17.15	A. Mesaros GaFe2O4 – based nanostructures: bridging chemical design and biomedical applications	16.30-16.45	C. A. Crisan Rosemary extract and essential rosemary as green corrosion inhibitors for carbon steel	oil 16.30-16.45	L. Mitoseriu Understanding the role of Ag-BaTiO3 CerMet microstructures for tuning dielectric and meta-composite properties	
& Welcome Reception		17.15-17.30		rescu esites based on carbon 2 in photocatalysis	17.15-17.30	A. Blajan Structural and mechanical behaviour of 3D printed dental surgical guides	16.45-17.00	M. E. Mircea Health, safety and environmental considerations in the handling and use o powdered materials for advanced batteria a critical review		M. Năsui 3D nanocomposite systems for photocatalytic application	
		17.30-17.45		minescent properties of hin films via chemical	17.30-17.45	A. Csapai Cost-effective fabrication of microfluidic devices with real-time monitoring for the dielectrophoretic manipulation of bacterial cells	17.00-17.15	D. Noveanu Elastic Die Technology for Spur Gear Pow Compaction: Experimental Measuremen and Simulation-Based Validation		M. C. Staicu Challenges and Innovations in Liquefied Gases and Cryogenic Tanks	

	17.45-18.00	E. M. Stetco Influence of Geometry on Asymmetric Diode Behavior and Routing in Spin-Orbit Torque Domain Wall Devices	17.45-18.00	V.P.Tosa Rapid Detection of Ephedrine in Whole Blood Using a 3D Origami Paper-Based Microfluidic Platform with Integrated Colorimetric Sensing	17.15-17.30	M. Bodea Merging Metallurgy, Quality Assurance, and Al Tools Towards a Holistic Understanding of Steet Weldability	17.15-17.30	Gy. Thalmaier Properties of Octadecane PCM composite with recycled aluminum as thermal enhancer
17.00-20.00 Sponsors exposition stands Main Hall - Groundfloor	9.00-18.00	Sponsors exposition stands	Main Hall - Groundfloor		9.00-18.00	Sponsors exposition stands		Main Hall - Groundfloor
					17.30-18.00	Closing Ceremon	у	
					19.00-24.00	Gala Dinner		