

OCTOBER 15 2026 Thursday						
OPENING SPEECH -Prof. Dr. Hakan Ates and Protocol (link to watch) 9:30-10:00						
YOUTUBE						
HALL A (HALL ANKARA) (15 THURSDAY)						
Opening						
Time	Paper Id	Paper Name	Online Link (For Speakers)	Online Link (For Audiences)	Speaker	session chair
10:00 - 10:35	291	Lead-Oxide-Free Multiferroics Ceramics: History and Future	https://us06web.zoom.us/j/89995990383	https://www.youtube.com/@ICMATSE	Fayaz Hussain	Abdullah Yıldız Mete Bakir I. T. Gulenc
10:35 - 11:10	200	ULAM Software			Ozge Surucu	
11:10 - 11:45	49	Engineering responsive nitric oxide nanotherapeutics from mitochondria to vascular devices			Tanveer Tabish	
11:45 -12:15	201	ETI MADEN and Future Perspective			Burcu Aydogan	
Break/LUNCH						

HALL A (ANKARA) OCTOBER 15 THURSDAY						
Afternoon						
Time	Paper Id	Paper Name	Online Link (For Speakers)	Online Link (For Audiences)	Speaker	session chair
13:30 - 14:10	21	From MAX Phases to High-Entropy Alloys: New Horizons in UHTC Engineering	https://us06web.zoom.us/j/88942568917	https://www.youtube.com/@ICMATSE	Zohre Ahmadi	Fayaz Hussain S. B. Lişesivdin
14:10 - 14:45	20	Spark Plasma Sintering: Fundamentals, Recent Advances, and Future Directions			Mehdi Shahedi Asl	
14:45 - 15:20	58	Microwave-Engineered Crosslinker-Free Chitosan Nanocarriers: Fabrication, Electrosteric Behavior, and Intracellular Biocompatibility			Afsheen Aman	
15:30-16:00		coffee break	Music Recital		coffee break	
16:00 - 16:35	6	Multifunctional BC-CeO2 Hydrogels for Enchanced Diabetic Wound Healing	https://us06web.zoom.us/j/88942568917	https://www.youtube.com/@ICMATSE	Svetlana Butulija	T. Depci U. Ozdemir
16:35 - 17:10	53	Dielectric Characterization of Bi+3/Fe+3 Co-Doped Sr ₂ NaNb ₅ O ₁₅ TTB Ceramics for High-Temperature Energy Storage Applications			M. Kamran	
17.:10 - 17:45	78	Optical Multilayer Design from Analytical Modeling to Machine-Learning-Assisted Inverse Design			Isa Hatipoğlu	
17:45 - 18:00	101	Effect of Different Quenching Media on the Mechanical and Metallographic Properties of Aluminum Alloy			Erdem Mermer	
18:00 - 18:15	47	Characterization of Microstructure of Additively Manufactured Metallic Materials by EBSD technique			Kemal Davut	

HALL B (HALL ISTANBUL) (15 THURSDAY)						
Opening						
Time	Paper Id	Paper Name	Online Link (For Speakers)	Online Link (For Audiences)	Speaker	session chair
11:35 - 12:00	79	Lead-Free Ceramic Materials for Advanced Electrostatic Energy Storage and Actuators	https://us06web.zoom.us/j/82441799311	https://www.youtube.com/@ICMATSE	Zhilun Lu	H. İ. Efker Yunus Özen İsa Hatipoğlu
12:00 - 12:35	46	Cold Working of Copper by Wire Drawing and Extrusion			Zakaria Boucherzoug	
12:35 - 12:50	54	Additive Manufacturing of the Sipsi: Geometric Replication, Rapid Customization, and Acoustic Validation			Lokman Yünlü	
12:50-13:05	55	From Traditional Craftsmanship to Additive Manufacturing: Fabrication and Acoustic Assessment of a Wood-Filled PLA (WPLA) Cura			Lokman Yünlü	
13:05-13:20	41	Integration of Renewable Energy Systems in Modern Yacht Architecture: Opportunities, Case Studies, and Design Challenges			Berrak Goktdaş	
Break						

HALL B (HALL ISTANBUL) OCTOBER 15						
Afternoon						
Time	Paper Id	Paper Name	Online Link (For Speakers)	Online Link (For Audiences)	Speaker	session chair
13:30 - 14:05	4	Nanostructured Scaffolds for Tissue Engineering	https://us06web.zoom.us/j/81778781929	https://www.youtube.com/@ICMATSE	Sabu Thomas	H. İ. Efker Yunus Özen İsa Hatipoğlu
14:05 - 14:25	2	2D Nanomaterial-Based Electrochemical Sensors for Biological and Environmental Monitoring			Ramzi Maalej	
14:25 - 14:40	1	Optimal concentration of holes and electrons in semiconductors for energy harvesting in ZnO PSC thin film			Anouar Njeh (FSS)	
14:40 - 15:15	7	Improving Aircraft Interior Flame Resistance Using Electrospun Polymeric Nanocomposite Fibers			Eylem Asmatulu	
15:15 - 15:50	93	Improving Aerospace Coating Adhesion on Fiber-Reinforced Composites Through Plasma Activation			R. Asmatulu	
15:30-16:00		coffe break			coffe break	
16:00 - 16:15	22	Cold Sintering of BiFeO ₃ -Doped KBNZ-Based Tetragonal Tungsten Bronze Ceramics for Electronic Applications			Mahnoor Fatima	H. İ. Efker Yunus Özen İsa Hatipoğlu
16:15 - 16:30	44	Interphase Engineering in Epoxy Nanocomposites via Glycine Functionalization of Nanodiamond and Aluminium Nitride			Marzhan Akhmetova	
16:30 - 16:45	51	Dynamic Characterization and Wire Rope Vibration Isolation Design for Aluminum Satellite Honeycomb Sandwich Structure			Hussein Mohamed	
16:45 - 17:00	56	Influence of Surface Deformation Pretreatments on Nitrogen Diffusion and Surface Properties of Ion-Plasma-Nitrided 12Kh18N10T Stainless Steel			Zarina Aringozhina	
17:40 - 17:55	60	Effect of Oxygen Pressure in HVOF Spraying on the Corrosion Resistance, Microstructure, and Microhardness of Al-Cu-Fe Quasicrystalline Coatings			Aray Abdimutalip	
18:05 - 18:20	61	Effect of Oxygen Pressure during HVOF Spraying on the Tribological Properties of Al ₆₅ Cu ₂₀ Fe ₁₅ Quasicrystalline Coatings			Nursultan Ertayev	
18:20 - 18:35	62	Effect of Heat Treatment on the Structural and Phase State and Hydrogen Sorption Properties of Pd-Ti-Mg Produced by Spark Plasma Sintering			Yulduz Amangeldiyeva	
18:35-18:50	63	Effect of Air Pressure on the Structure and Tribological Properties of HVOF-Sprayed Zr ₂ CN Coatings			Sardor Kambarbekov	

HALL C (HALL GAZI) (15 THURSDAY) Morning						
Opening						
Time	Paper Id	Paper Name	Online Link (For Speakers)	Online Link (For Audiences)	Speaker	session chair
11:45 - 12:00	68	Production and Characterization of Hard Carbon from Lemon Peel and Evaluation of Supercapacitor Performance	https://us06web.zoom.us/j/81384720252	https://www.youtube.com/@ICMATSE	Mesut Karta	Kadir Kocatepe Mehmet Erdoğan
12:00 - 12:15	90	SCAPS-1D Design of Lead-Free Cs2TiBr6 and Cs2AgBiBr6 Double-Perovskite Solar Cells: Role of Thickness, Defect Density, Band Gap and Transport Layers			Gökçe Dünder	
12:15 - 12:30	91	Investigation of Isothermally Heat Treated SAE 420 High Boron Steel			Ömer Faruk Murathan	
12:30 - 12:45	80	Laser Hybrid Welding			Ezgi Doğan	
12:45-13:00	81	Wire Arc Additive Manufacturing Defects and Detection			Memduh Kurtulmuş	
Break						

HALL C (HALL GAZI) (15 THURSDAY) Afternoon								
Afternoon								
Time	Paper Id	Paper Name	Online Link (For Speakers)	Online Link (For Audiences)	Speaker	session chair		
13:30 - 13:45	3	Radiation Sensitivity of Dual-Gate Dielectric FET-Based Dosimeters	https://us06web.zoom.us/j/87426990163	https://www.youtube.com/@ICMATSE	Şenol Kaya	Ersin Bahceci Ferhat Gul U. Muhsin Doğan		
13:45 - 14:00	11	Characterization of Signal Response in an AAO-Based Nano-GEM Detector			Yelda Kandeğer			
14:30 - 14:45	85	Computational Materials Science and Engineering: A Study on the Correlation Between Material Properties via Simulation Techniques			A. Vazinishayan			
14:45 - 15:00	89	Advances in Shape Memory Deployable Antennas			P. T. Ozgun			
15.00-15:	95	Effects of Alloy Composition and Melt Spinning Parameters on the Magnetic Properties of Iron Based Soft Magnetic Ribbons			Ozden Acar			
15:30-16:00		Coffe Break			Coffee Break			
16:00 - 16:15	86	Aerogel-Assisted Superhydrophobic Coating Concept for Passive In-Flight Anti-Icing					Nazlı ölker	Ersin Bahceci Ferhat Gul U. Muhsin Doğan
16:15 - 16:30	87	Investigation of Electron Beam Weldability of Ti-6Al-4V, AA2024-T3, and 15-5 PH Alloys in Similar and Dissimilar Material Combinations under Non-Atmospheric Conditions					Özgür Çam	
16:30 - 16:45	88	Performance Analysis of Additively Manufactured Tube Bending Dies Using Continuous Carbon Fiber Reinforced Composites					Nurseli Yılmaz	
16:45 - 17:00	104	Microstructural Evolution and Hardness Variation in WAAM-Fabricated ER316L/ER312 Graded Stainless Steel Structures					İdris Tuğrul Gülenç	
17:00 - 17:15	103	Boron Technologies and the Role of TENMAK BOREN in Türkiye's Research and Innovation Ecosystem					Muhammet ARIK	
17:45 - 18:00	102	First-Principles Insights into Strain and Nanostructuring Effects in Thermoelectric Materials					Demet Usanmaz	

HALL A (HALL ANKARA) OCTOBER 16 Friday Afternoon						
Time	Paper Id	Paper Name	Online Link (For Speakers)	Online Link (For Audiences)	Speaker	session chair
13:40 - 14:15	24	Effect of Sub-Zero Treatment on the Structural and Thermo-Oxidative Behavior of Invar 36 Powder	https://us06web.zoom.us/j/87250394822	https://www.youtube.com/@ICMATSE	Eylem Asmatulu	Güven Çankaya Ufuk Taşcı Alper Yılmaz
14:00-14:30	99	Structural Health Monitoring (SHM): History and Latest Development			Abid Abu-Teir	
14:20 - 14:55	19	Mn Doping on the Structural, Surface, and Electrochemical Properties of SrTiO3 for Hybrid Supercapacitors			Ahmad Azmin Mohamad	
15:00 - 15:35	82	Polymeric Nano-/Microfiber-Integrated Hierarchical Structures via Additive Manufacturing			Yahya Kara	
15:35-16:00		Coffee Berek			Coffee Break	
16:00 - 16:35	72	Designing Next-Generation Non-Toxic Copper Alloys: Alloying, Precipitation Hardening, Thermo-Mechanical Processing and Cryogenic Treatment			S. H Atapek	
16:40 - 17.00	69	Plasma Nitriding of Stainless Steels			Beyza Karaman	
17:00 - 17:15	70	A Review on Internal Combustion Engine Valves Failures			Sena Hayırcı	
17:15 - 17:30	31	Formation of Defects Resulting from H ⁺ Ion Implantation and Their Effect on the Electrical Properties of GaSe Single Crystal			Seljan Hajiyeve	
17:30 - 17:45	62	Effect of Heat Treatment on the Structural and Phase State and Hydrogen Sorption Properties of Pd-Ti-Mg Produced by Spark Plasma Sintering			Yulduz Amangeldiyeva	
17:45 - 18:05	59	Beyond Zero Emissions: Is Battery Power Really Clean for Military Platforms			M. Nauman Rafique	

HALL B (HALL ISTANBUL) (October 16 FRIDAY)						
Morning						
Time	Paper Id	Paper Name	Online Link (For Speakers)	Online Link (For Audiences)	Speaker	session chair
9:00 - 9:20	43	Data-Driven Inverse Design of Cutout Geometry in Composite Laminates Using an Analytical Stress Framework	https://us06web.zoom.us/j/81153801699	https://www.youtube.com/@ICMATSE	Yunus Kaptı	I. B. Algan Simsek Melika Özer Gözde Altuntas
9:20 - 9:35	100	Design and Development of a Superelastic NiTiNol Needle for Mechanical Unblocking of Meibomian Gland Orifices			sinan aksöz	
9:35 - 10:10	10	Assessment of bond coat materials for thermal barrier applications: a systematic analysis of bulk alloys			Ali Chandio	
10:10 - 10:25	25	Effect of different doses of gamma-radiation on the developmental dynamics and biometric parameters of leguminous plants (phaseolus vulgaris L.)			Narmin Guliyeva	
10:25 - 10:40	27	A Multifunctional Agro-Waste-Based Composite Fertilizer for Sustainable Avocado Cultivation			Tuncay Murshudov	
10:40 - 10:55	28	Nanomaterial-Assisted Synthesis of Cyclohexanone-Derived Heterocycles: Reactivity and Biomedical Potential			Seljan Hasanli	
10:55 - 11:20	40	An LLM-Based Retrieval-Augmented Generation Framework for Materials Genomics			Reza Vatankhah Barenji	
11:20 - 11:35	71	Effect of Oxygen Pressure in HVOF Spraying on the Corrosion Resistance, Microstructure, and Microhardness of Quasicrystalline Coatings			Aray Abdimutalip	
11:40 - 12:15	45	Hierarchical Atomistic Screening of Novel Li–Na–Ge–Mo Sulfide/Oxide Solid-State Electrolytes for High-Performance All-Solid-State Batteries			Hamza Fiaz	
Break						

HALL B (HALL ISTANBUL) (October 16 FRIDAY) Afternoon						
Time	Paper Id	Paper Name	Online Link (For Speakers)	Online Link (For Audiences)	Speaker	session chair
13:40 - 14:15	66	Designing Ceramic Thermoelectrics for High-Temperature Energy Conversion	https://us06web.zoom.us/j/81197986302	https://www.youtube.com/@ICMATSE	A.V. Kovalevsky	Aysenur Gencer Bekir Ozcelik Ozge Surucu
14:20 - 14:55	57	Fabrication of Ca _{2.93} Sr _{0.07} Co ₄ O ₉ /Ag laminar composites with very low electrical resistivity			A. Sotelo	
15:00 - 15:35	84	From Oxide Thermoelectric Materials to Device Performance: Thermal Management of a 31-Pair High-Temperature Module			S. Rasekh	
15:35-16:00		Coffe Bereak			Coffee Break	
16:00 - 16:35	76	Optimisation of laser cleaning and micromachining protocols using acoustic monitoring			Luis Alberto Angurel	A. Gencer B. Ozcelik Hakan Ada
16:40 - 17:05	292	Ferroelectric Composite			Antonio Fitera	
17.05 - 17.20	29	Bending Properties of Hybrid Honeycomb Composite Materials			Mustafa Can Topbaşoğlu	
17:25 - 17:40	73	Investigating the Magnetocaloric Effect and Phase Transition Behavior in Functional Material Systems			Gizem Çetin	
17:40 - 18:25	36	Friction stir wedling and procesing of materials			Akbar Heidarzadeh	
18:25 - 18:45	37	Elaboration and characterization of fiber based recycled films of polyethylene: Application in seawater desalination			Turkman Meriem	
18:45 - 19:20	50	Graphene Oxide Remediation of Radioactive Contaminants in Falaj Water			Majid Al-Ruqeishi	
19:20-19:45	75	From Oxide Precursor to Fe-Ni Alloys by Electrochemical Reduction			Adélio Fumo	

HALL C (HALL GAZI) (October 16 FRIDAY)						
Morning						
Time	Paper Id	Paper Name	Online Link (For Speakers)	Online Link (For Audiences)	Speaker	session chair
09:00 - 9:30	48	Ultrafast Microwave Sintering vs. Conventional Sintering of Sm3+ Substituted TTB Ceramics for High-Performance Energy Storage	https://us06web.zoom.us/j/86322271244	https://www.youtube.com/@ICMATSE	Anam Farooq	Onur Altuntaş Hakan Gurun Gökhan Kücüktürk
9:30 - 10:00	77	Effect of Different Austenitising Temperatures on the Hardness of AISI D2 Tool Steel			Melika Ozer	
10:05-10: 35	98	Investigation of the SLM Process parameters on Crack Formation Ti Modified 6061 Alloy			Rahmi UNAL	
10:40 - 11:00	83	Vision Transformer-Based Classification of Deformation Stages in S235JR Steel Microstructures			Selim Özdem	
11:05 - 11:25	97	Ti Modified Al-6061 Alloy Powder Production By Gas Atomization Process			Rahmi UNAL	
Break						

HALL C (HALL GAZI) (October 16 FRIDAY) Afternoon						
Time	Paper Id	Paper Name	Online Link (For Speakers)	Online Link (For Audiences)	Speaker	session chair
13:40 - 14:00	32	Effect of Protective Coating on the Corrosion Behavior of Hybrid Rivets	https://us06web.zoom.us/j/89191297933	https://www.youtube.com/@ICMATSE	İrem nalkesen	Onur Altuntaş Hakan Gurun Gökhan Kücüktürk
14:00 - 14:20	33	Lotus Effect on Ti-6Al-4V Surfaces via Sol-Gel Method: Preliminary Characterization for Compressor Stator Blades			Mehmet Turan Ekinci	
14:20 - 14:40	35	Investigation of Morphing Wing Effect of Different Additive Manufacturing Polymers			Abdullah Ozen	
14:40 - 15:00	39	Investigating the Mechanical Performance of Hybridisation in TPMS Lattice Structures			Abdullah Ozen	
15:00-15:20	67/105	Production, Characterization, and Investigation of the Structural and Magnetic Properties of AB2O4-Structured Spinel Ferrite Nanoparticles by Laser Ablation Technique			Bekir Ozcelik	
15:20-15:40	3	Radiation Sensitivity of Dual-Gate Dielectric FET-Based Dosimeters			Senol Kaya	
15.45-16:00	106	Invesment Polarization forShared Aerospace Manufacturing Infrastructure: A framework for			Ozgur Karabudak	
16:00-1615	65	Carbon Quantum Dots for Next-Generation Energy Storage: Applications in Sodium-Ion Batteries and Supercapacitors			Emine Yalman	
15:35 - 16:00		Coffe Bereak			Coffe Break	