DAY 1 PROGRAMME WEDNESDAY 23 SEPTEMBER 2026
Dede Korkut Campus

Time (UTC+3)	Activity	Venue or Note
09:00–10:00	Registration	Main Entrance and Registration Desk
10:00–10:08	Moment of Silence and Turkish National Anthem	Gökhan Budak Conference Hall
10:08–11:00	Assist. Prof. Dr. Mustafa Alptekin ENGİN – Chair of the Conference	
	Prof. Dr. Metin UÇURUM – Dean of the Faculty of Engineering	
	Prof. Dr. Mutlu TÜRKMEN – Rector of Bayburt University	
	Opening and Protocol Speeches	
11:00–11:30	Coffee and Tea Break	Main Entrance
11:30–12:00	Special Invited Keynote Speech	Prof. Dr. Bülent ÇAKMAK (Rector, Erzurum Technical University, Türkiye) Expertise: Semiconductor Lasers, Photonics, Optoelectronics, and Microfabrication
12:00–13:00	Online Keynote Session I	Electrical Electronics AI and Space Systems
13:10–14:45	Lunch	Staff Dining Hall Dede Korkut Campus
15:00–15:20	Online Keynote Session II	Sustainable Food Technologies
15:20–16:20	Online Keynote Session III	Mechanics Computational Engineering and Artificial Intelligence
19:00	Conference Dinner	Keyvani Restaurant Café Lounge

Online Keynote Session I Electrical, Electronics, AI and Space Systems

Türkiye Time (UTC+3)	Speaker	Field	Speaker Time Zone
12:00–12:20	**Prof. Dr. Hadi SEYEDARABI**	Artificial Intelligence Meets Neurotechnology: Emerging Trends in EEG, BCI and Neuromarketing	Iran UTC+3:30 (12:30–12:50)
12:20–12:40	**Prof. Dr. Ram Kaji BUDHATHOKI**	Memristors neural networks IoT and agricultural electronics	Nepal UTC+5:45 (15:05–15:25)
12:40–13:00	**Assoc. Prof. Dr. Muhammad Rizwan MUGHAL**	Moving the Cloud to Orbit: The Rise of Edge-AI and Spaceborne Autonomy	Oman UTC+4 (13:40–14:00)

Online Keynote Session II Sustainable Food Technologies

Türkiye Time (UTC+3)	Speaker	Field	Speaker Time Zone
15:00–15:20	**Dr. Musfirah ZULKURNAIN**	Beyond Preservation: High-Pressure Processing for Bioengineering of Marine Protein and Biomineral Production	Malaysia UTC+8 (20:00–20:20)

Online Keynote Session III Mechanics, Computational Engineering and Artificial Intelligence

Türkiye Time (UTC+3)	Speaker	Field	Speaker Time Zone
15:20–15:40	**Prof. Dr. Majid Reza AYATOLLAHI**	Crack Growth in Metallic Plates – An Improved Method for Fatigue Life Enhancement	Iran UTC+3:30 (15:50–16:10)
15:40–16:00	**Prof. Dr. Bahaddin SINSOYSAL**	Hydrodynamic Model and Numerical Solution of the Heat-Mass Transfer Process in Deformed Reservoirs	Türkiye UTC+3 (15:40–16:00)
16:00–16:20	**Dr. Selahattin AKKAS**	Explainable Artificial Intelligence: Bridging the Gap Between Model Performance and Human Understanding	California USA UTC−7 (06:00–06:20)

ONSITE PAPER SESSIONS BLOCK 1 (DEDE KORKUT CAMPUS)

OS-01 Electrical & Electronics & Computer Science (23 September 2026)

Classroom: D101			Session Chair: Uğur TURHAL
14:30–14:40	ID 213	Investigation of the Electronic Properties of Electrochemically Synthesized Silicon/Zinc oxide Nanocomposites	Emir ÇEPNİ*
14:40–14:50	ID 322	Optimizing Physical Sensor Deployments and Cost Efficiency in Urban IoT Networks Using PINN and IDW	Bilal USANMAZ*
14:50–15:00	ID 310	MeshFleet: A Machine Learning-Assisted LoRa/Meshtastic Architecture for Sensor-Integrated Vehicle Fleet Coordination in Post-Disaster Operations	Faruk Baturalp GÜNAY*
15:00–15:10	ID 290	MYR KIDS Pediatric Exoskeleton-Assisted Gait Training: Surface EMG-Based Patient-Specific Muscle Fatigue and Spasticity Detection	Mert E. TASKIN*, Alırıza KALELI
15:10–15:20	ID 345	Comprehensive DFT and TD-DFT Investigation of the Structural, Vibrational, NMR, Electronic, and Reactivity Properties of Relutrigine	Sümeyra CAN*, Mehmet ÇINAR
15:20–15:30	ID 350	Combining Images and Clinical Data for Skin Lesion Classification: A Patient-Level Comparison of Five Configurations on the PAD-UFES-20 Dataset	Zeynep BİLEN, Uğur TURHAL*
15:30–15:40	ID 351	Evaluating the Random-Seed Sensitivity of Architecture Comparisons in Medical Image Classification Across Six Image Types	Uğur TURHAL*

OS-02 Civil Engineering (23 September 2026)

Classroom: D102			Session Chair: Duygu TEKIN
14:30–14:40	ID 12	Crack Effects on the Bending of Functionally Graded Beams	Muhittin TURAN*, Gökhan ADIYAMAN, Serhan KOÇ
14:40–14:50	ID 13	Influence of Cracks on the Buckling Response of Functionally Graded Beams	Gökhan ADIYAMAN, Muhittin TURAN*, Serhan KOÇ
14:50–15:00	ID 89	Rao-Based Optimization of Wind Turbine-Integrated Steel Domes	Muhammet YURDAKUL*, İbrahim ADANUR
15:00–15:10	ID 115	Hybrid Seismic Retrofit of Adjacent Soft-Story RC Buildings with Ground-Story Shear Walls and Inter-Building Viscous Dampers	Yavuz Selim HATİPOĞLU*
15:10–15:20	ID 341	Dynamic Mismatch Effects on Soft-Story Drift Mitigation by Inter-Building Viscous Dampers in Adjacent RC Buildings	Yavuz Selim HATİPOĞLU*
15:20–15:30	ID 362	From Greenhouses to Vertical Farms: A Literature-Based Assessment of Cost Distribution and Construction Management Risks	Ediz BOZ*, Ümit BAHADIR, Büşra ZİYPAK, Fatemeh MOSTOFI, Vedat TOĞAN

OS-03 Agricultural Engineering (23 September 2026)

Classroom: D206			Session Chair: Özlem ÇAKIR
14:30–14:40	ID 175	Effects Of Organomineral Fertilizer Applications on Plant Growth and Root Characteristics of Cherry Radish	Memiş AÇIKGÖZ*, Atilla DURSUN
14:40–14:50	ID 222	Presence And Characterization of Microplastics in Unio Crassus (Teke Stream, Palandöken, Erzurum) With Unmanned Aerial Vehicle Support	Muhammed Vehbi YAKUT*, Muhammed ATAMANALP
14:50–15:00	ID 246	Presence and Characterization of Microplastics in Unio Crassus from the Karasu River, Erzurum	Ercan AKDEMİR*, Muhammed ATAMANALP
15:00–15:10	ID 306	Temporal Change Analysis of Land Use/Land Cover Classes in Demirözü Forest Planning Unit Using Remote Sensing	Murat Han ERTUĞRUL*
15:10–15:20	ID 20	Dynamic Investigation of Renewable-Based Black-Start Recovery in a Smart Microgrid	Feras ALASALİ*, Naser EL-NAİLY
15:20–15:30	ID 132	Deep Learning and Edge Computing Based Smart Plant Monitoring and Autonomous Irrigation System	Muhammed Nur ZERZUR, Burak TAYLAN, Erhan SESLİ*
15:30–15:40	ID305	Effects of Essential Oil Supplementation on Some Metabolic and Rumen Parameters in Pre-Weaned Holstein Calves: A Meta-Analysis	Kübra EKİNCİ*, Veysel Fatih ÖZDEMİR, Memiş ÖZDEMİR

ONSITE PAPER SESSIONS BLOCK 2 (DEDE KORKUT CAMPUS)

OS-04 Mechanical, Geological, Food Engineering (23 September 2026)

Classroom: D101			Session Chair: Ayla ARSLANER
15:50–16:00	ID 319	Effect of Laser Processing Parameters on the Surface Characteristics of AA6061 Aluminum Alloy: Implications for Tribological Performance	Şükran Merve TÜZEMEN*
16:00–16:10	ID 349	Self-Assessment and Strategic Recommendations for the Branding of Bayburt Tarragon (PDO)	Ayla ARSLANER*
16:10–16:20	ID 190	The Use of Aluminum in UAV Structural Components; A Comparison of Primary and Secondary Aluminum from a Sustainability Perspective	Melek DURMUŞ*
16:20–16:30	ID 159	Thermal Characterization of a Li-ion Battery under High Discharge Rates for Battery Thermal Management System Design	Erdoğan GÜNER*
16:30–16:40	ID 365	Lightweight Design of an AA6061-T6 Bracket by Topology Optimization and Comparative Assessment of Static-Fatigue Performance	Recep ÇATAR*
16:40–16:50	ID 187	GIS-Based Landslide Susceptibility Mapping of Bayburt Province, Türkiye	Ceren ASLAN, Ümit YILDIRIM*, Onur GÜVEN
16:50–17:00	ID 188	Avalanche Susceptibility Mapping Using GIS-Based Multi-Criteria Analysis: A Case Study of Bayburt Province, Türkiye	Ünzilet ŞAHİN, Onur GÜVEN*, Ümit YILDIRIM

OS-05 Agricultural Engineering (23 September 2026)

Classroom: D206			Session Chair: Kübra ÇİNAR TOPÇU
15:50–16:00	ID 287	Interaction of Abiotic Stresses and The Circadian Clock in Plants	Melek EKİNCİ*, Esma YİGİDER, Ertan YİLDİRİM, Murat AYDİN, Selda ORS
16:00–16:10	ID 288	Biofortification Applications Against Abiotic Stresses in Plants	Murat AYDİN*, Esma YİGİDER, Melek EKİNCİ, Ertan YİLDİRİM, Selda ORS
16:10–16:20	ID 289	Engineering Plant Stress Tolerance with CRISPR: From Gene Discovery to Trait Validation	Esma YIGIDER*, Melek EKINCI, Murat AYDIN, Ertan YILDIRIM
16:20–16:30	ID 296	A Threat to the Future of Agriculture: The Combined Effects of Abiotic Stresses on Plant Metabolism	Ertan YİLDİRİM*, Murat AYDİN, Melek EKİNCİ, Esma YİGİDER, Selda ORS
16:30–16:40	ID 221	Histopathological Evaluation of the Ameliorative Effect of Dietary Pomegranate Peel Supplementation on Hepatic Steatosis in Laying Hens	Büşra DUMLU*, Ş. Canan BÖLÜKBAŞI AKTAŞ
16:40–16:50	ID 335	Effects of Natural and Synthetic Dyes on Petal Coloration and Postharvest Quality of White-Cut Gerbera Flowers	Senem ALTUNOK, Fazilet PARLAKOVA KARAGÖZ*, Atilla DURSUN
16:50–17:00	ID 336	Plant-Parasitic Nematodes in Cut Gerbera (Gerbera jamesonii) Cultivation: Damage and Integrated Management Approaches	Ayşenur ASLAN, Fazilet PARLAKOVA KARAGÖZ*
17:00–17:10	ID 278	An Investigation of the Phenolic Profile, Mineral Composition, and Antioxidant Activity of Vaccinium myrtillus L. Fruit	Özlem ÇAKIR*, Kübra ÇİNAR TOPÇU, Pınar ANLAR DALDAL, Abdurrahman SEFALI

OS-06 Civil & Environmental Engineering (23 September 2026)

Classroom: D102			Session Chair: İbrahim Hakkı KARAKAŞ
15:50–16:00	ID 343	Water Quality Prediction of Drinking Water Supply Using Machine Learning Methods: A Case Study of Bayburt Province	Gülhat KOÇYİĞİT*, Ruşen SINIR
16:00–16:10	ID 171	Structural Responses of a Chimney under Seismic and Wind Loading	Betül DEMİRTAŞ*
16:10–16:20	ID 359	Geotechnical Evaluation and Case Study of Tunnel Portal Structure Design Revision under Complex Geological Conditions	Rıfat POLAT*, Fatih YILMAZ
16:20–16:30	ID 231	A Study on the Treatability of Wastewater from a Sugar Factory Lagoon via Chemical Precipitation Using FeSO4.7H2O	İbrahim CENGİZ*, Nejdet DEĞERMENCİ
16:30–16:40	ID 360	Investigation of the Effect of Halloysite Nanotubes on the Performance of Photocatalytic Catalysts and Their Suitability as Support Materials	Zeynep KARCIOĞLU KARAKAŞ, Seyid Ali YALÇIN, İbrahim Hakkı KARAKAŞ*
16:40–16:50	ID 361	Investigation of the Usability of Silica Aerogel Produced from Pumice Waste in Water Treatment Applications	Zeynep KARCIOĞLU KARAKAŞ, Abdulkadir DEMİRCİ, İbrahim Hakkı KARAKAŞ*

ONSITE PAPER SESSIONS BLOCK 3 (DEDE KORKUT CAMPUS)

OS-07 Chemical Engineering (23 September 2026)

Classroom: D101		Session Chair: İbrahim Hakkı KARAKAŞ	
17:00–17:10	ID 324	EDTA-Assisted Synthesis and Structural Characterization of Ag_2O/Ag_2MoO_4 Heterojunction Nanostructures	Sultan Suleyman OZEL*
17:10–17:20	ID 8	Impact of Heat Treatment and Cold Deformation on the Electrochemical Behavior of AISI 316Ti Austenitic Stainless Steel in Acidic Environments	Houria KADDOUR*, Leila BELGACEM
17:20–17:30	ID 210	Flexible Graphene Paper and Sponge Architectures: Fabrication and Electrochemical Performance Comparison	Elif ERÇARIKCI*
17:30–17:40	ID 211	Electrochemical Evaluation of a Spinel Oxide/Graphene Sponge Composite Electrode for Supercapacitor Applications	Emir ÇEPNİ, Elif ERÇARIKCI*
17:40–17:50	ID 238	Boric Acid-Promoted Hydroxylation of Aryl Halides over a Magnetic SBA-15-Supported Pd-bis (NHC) Catalyst	Yagoub MANSOORİ*, Somayeh FEKRİ
17:50–18:00	ID 243	Cu (BDC)-Catalyzed Oxidative Esterification of Benzaldehyde Derivatives: Substrate Reactivity and Catalyst Stability	Yagoub MANSOORİ*, Abbas JAHANBANİ
18:00–18:10	ID 291	Preparation of Epoxy Nanocomposite Coating Containing Cobalt-Nickel Layered Hydroxide Nanobelts for Corrosion Protection of Steel	Davod SEİFZADEH*, Shahin EBADATİ, Sima FİROUZİ

OS-08 Interdisciplinary Engineering & Applied Technologies (23 September 2026)

Classroom: D102		Session Chair: Murat CAMUZCUOĞLU	
17:00–17:10	ID 110	Explainable AI-Powered Lightweight Demand Forecasting for Inventory Management in Resource-Limited Enterprises	Doruk AYBERKİN*
17:10–17:20	ID 60	Utilization of Bayburt Stone Waste as a Natural Pigment in Polymer Composites: A Sustainable Engineering Approach	Murat CAMUZCUOĞLU*
17:20–17:30	ID 354	Examining the Relationship Between Middle School Students' Perceptions and Attitudes Towards Artificial Intelligence and Their Mathematical Metacognitive	Çağatay KARAKAYA*, Ruhşen ALDEMİR ENGİN
17:30–17:40	ID 368	Investigation of the Effect of Molybdenum Addition on the Fluidity Behaviour of A356 Aluminum Alloy in Casting	Ahmet SAĞLAM, Yusuf Alptekin TÜRKKAN, Murat ÇOLAK*
17:40–17:50	ID 363	A Case Study on Battery Thermal Management: Comparison of PCM Performances	Erman Kadir OZTEKIN*
17:50–18:00	ID 227	Dynamic Response of a Fluid-Conveying Pipe under Different Flow Velocities	Semih FİDAN, Mehmet UYAR*
18:00–18:10	ID 184	A Mathematical Model for Human–Robot Collaborative Assembly Line Balancing with Heterogeneous Operators and Cobots	Hamid YILMAZ*, Demet BÜYÜKKAYA
18:10–18:20	ID 137	An Application of Mixed Integer Linear Programming (MILP) in Routing for Wireless Sensor Networks	Demet BÜYÜKKAYA, Hamid YILMAZ*, Mehmet Barış TABAKCIOĞLU
18:20–18:30	ID 371	Digitalization in the Türkiye Construction Industry: A Research on the Current Situation	Duygu TEKİN*
18:30–18:40	ID 374	Evaluation of the Effects of Rising Ambient Temperatures on Heat Stress and Occupational Injury Risk Among Agricultural Workers	Mustafa ÖZDEMİR*
18:40–18:50	ID 375	Agentic AI in Manufacturing Operations for Resilient Supply Chain: A Review of Recent Trends and Future Directions	Burak ERKAYMAN*, Özge ALBAYRAK ÜNAL, Raziye KILIÇ SARIGÜL

6th International Conference on Advanced Engineering Technologies

23-25 September 2026

ICADET

TÜBİTAK

DAY 2 ONLINE PROGRAMME THURSDAY 24 SEPTEMBER 2026

All times are shown in Türkiye Time UTC+3. Participant local times are provided for each presentation.

ONLINE PAPER SESSIONS BLOCK 1 09:00–10:10 TÜRKİYE TIME

ON-01 Chemical & Environmental Engineering 1 (24 September 2026)

Virtual Room: 1	Session Chair: Erman KADİR ÖZTEKİN	09:00–10:10 Türkiye Time (UTC+3) | English

Türkiye Time UTC+3	ID	Paper Title	Authors * Presenter	Country and Local Time
09:00–09:10	ID 17	**Production of Aloe Vera Gel-Based Slime with Improved Viscosity**	Ahmad Firdaus YUSOFF, Siti Fatma ABD KARIM*, Suzihaque MAQSOOD-UL, Zalizawati ABDULLAH	Malaysia 14:00–14:10
09:10–09:20	ID 56	**Glycerol Carbonate Synthesis Via Transesterification of Glycerol And Dimethyl Carbonate In Presence of Coral Waste As Catalyst**	Nurul RAZALI*, Nurfarah MOCKTAR, Siti HALIM	Malaysia 14:10–14:20
09:20–09:30	ID 66	**Enhancing Biomethane Recovery from Wastewater Using Coating-Modified Polysulfone Mixed Matrix Membranes**	Nenna Narlina NIAM, S. M. ANISSUZAMAN, Murni SUNDANG, Akhtar Razul RAZALI, Noor Maizura ISMAIL*	Malaysia 14:20–14:30
09:30–09:40	ID 104	**Green-Synthesised Ag/ZnO Nanocomposites with Enhanced Surface Plasmon Resonance for Effective Photoelectrochemical Water Splitting**	Siti Rashidah Abdol RAZİD*, Siti Salwa ALİAS, Fazira Ilyana Abdul RAZAK, Juan MATMİN	Malaysia 14:30–14:40; Indonesia 13:30–13:40 WIB
09:40–09:50	ID 105	**Advanced Oxidation Treatment of Palm Oil Mill Effluent Using Fenton Reaction**	Sofiah HAMZAH*, Nurul Aqilah MOHAMAD, Noryushaina Adlina YUSMAINI, Nurfarahana MOHD NASIR, Mohammad Hakim CHE HARUN, Nazaitulshila RASIT	Malaysia 14:40–14:50
09:50–10:00	ID 203	**Arginine-Functionalized Au_{22} Nanoclusters for Enhanced Photodynamic Antibacterial Therapy of Bacteria-Infected Wounds**	Xinyue DOU*, Sariah SAALAH, Chel-Ken CHİAM, Jianping XİE, Coswald Stephen SİPAUT	Malaysia 14:50–15:00; Singapore 14:50–15:00
10:00–10:10	ID 300	**Prediction modelling of dye removal using metal oxide photocatalyst with various neural network architectures using MATLAB**	Auni Kiasatina AZMAN*, Akmal Faiz RİZALMY, Mohd Fadhil MAJNİS	Malaysia 15:00–15:10

ON-02 Food & Agricultural Engineering 1 (24 September 2026)

Virtual Room: 2	Session Chair: Hacer AKPOLAT	09:00–10:10 Türkiye Time (UTC+3) | English

Türkiye Time UTC+3	ID	Paper Title	Authors * Presenter	Country and Local Time
09:00–09:10	ID 143	**Green Coffee Leaf-Derived Chlorogenic Acid: Potential Functional Food and Nutraceutical Applications**	Ummi Kalthum IBRAHIM*, Izzah Athirah IZANDIS, Suzihaque MUH, Nurul Asyikin MOHD ZAKI, Syafiza ABD HASHIB, Habsah ALWI, Siti Fatma ABD KARIM	Malaysia 14:00–14:10
09:10–09:20	ID 144	**Comparative Study and Optimization of Chlorogenic Acid, Caffeine, and Antioxidant Activity in Coffea liberica Leaves and Beans**	Ummi Kalthum IBRAHIM*, Nur Amira ABU BAKAR, Suzihaque MUH, Nurul Asyikin MOHD ZAKI, Habsah ALWI, Siti Fatma ABD KARIM, Noorsuhana MOHD YUSOF	Malaysia 14:10–14:20
09:20–09:30	ID 178	**Selective metal ion-mediated UV-assisted autolysis promotes extracellular matrix disassembly, glycosaminoglycan release, and antidiabetic activity in Stichopus fusiformiossa body wall**	Aimi Zafirah KAMARUDDİN*, Annette JAYA-RAM, Sau Pinn WOO, Tan Chin PİNG, Lay-Harn GAM, Musfirah ZULKURNAİN	Malaysia 14:20–14:30
09:30–09:40	ID 179	**Barohydration-driven protein conformational changes regulate proteolysis and bioactive release during high-pressure processing of Stichopus fusiformiossa body wall**	Aimi Zafirah KAMARUDDİN*, Annette JAYA-RAM, Sau Pinn WOO, Tan Chin PİNG, Lay-Harn GAM, Musfirah ZULKURNAİN	Malaysia 14:30–14:40
09:40–09:50	ID 224	**Rapid Detection of Escherichia coli O157:H7 in Water Using an Aptamer-based Lateral Flow Assay**	Noordiana NORDİN*	Malaysia 14:40–14:50
09:50–10:00	ID 25	**Development and Evaluation of O_2 BioLock Pouch for Next-Generation Food Packaging Applications**	Karunyah Amirthadharshini N*, Jane MRİTTİKA.L, Vinu HARSHARA.M.S., Annie .E.	India 12:20–12:30
10:00–10:10	ID 31	**Development and Quality Evaluation of Ragi (Finger Millet)-Rich Sheets for Chicken Dumpling**	Abinaya R.*	India 12:30–12:40

ON-03 Mechanical, Industrial & Mining Engineering 1 (24 September 2026)

Virtual Room: 3	Session Chair: Milad ELYASİ	09:00–10:10 Türkiye Time (UTC+3) | English

Türkiye Time UTC+3	ID	Paper Title	Authors * Presenter	Country and Local Time
09:00–09:10	ID 285	**Performance Evaluation of a Hybrid Electric Vehicle Powertrain using Chassis Dynamometer**	Chander KANT*, K A SUBRAMANIAM, M SITHANANTHAN	India 11:30–11:40
09:10–09:20	ID 295	**Experimental Evaluation of Transient Characteristics and Different Performance Losses of a 1 kW Open-Cathode PEM Fuel Cell**	Ashutosh KUMAR*, K.A. SUBRAMANIAN	India 11:40–11:50
09:20–09:30	ID 315	**Computational Analysis of Ohmic, Charge Transfer and Mass Transfer Resistance in Hydrogen PEM Fuel Cells**	SHARDUL*, K. A. SUBRAMANIAN	India 11:50–12:00
09:30–09:40	ID 271	**Integrated Crop-Cycle Planning and Harvest Scheduling in Multi-Tier Plant Factories under Time-of-Use Electricity Tariffs**	Milad ELYASİ*	Türkiye 09:30–09:40
09:40–09:50	ID 293	**Exact Shapley decomposition of a CRITIC–TOPSIS priority index: drought and seismic hazard across the 81 provinces of Türkiye**	Faridullah ZAHID KOLABI, İbrahim Miraç ELİGÜZEL, Nazmiye ELİGÜZEL*	Türkiye 09:40–09:50
09:50–10:00	ID 130	**Mechanical Performance Enhancement of Functionally Graded TPMS Metamaterials through Topology Hybridization**	Fatemeh ARDAKANİ*, Bahador BAHRAMİ, Majid R. AYATOLLAHİ	Iran 10:20–10:30
10:00–10:10	ID 254	**Application of Artificial Intelligence for Predicting Shear Cracking in Asphalt Mixtures**	Hossein AHMADİAN, Fateme MAREFAT*, Hossein TALEBİ, Majid R. AYATOLLAHİ, Bahador BAHRAMİ	Iran 10:30–10:40

ON-04 Chemical & Environmental Engineering 2 (24 September 2026)

Virtual Room: 4	Session Chair: Ruşen SINIR	09:00–10:10 Türkiye Time (UTC+3) | English

Türkiye Time UTC+3	ID	Paper Title	Authors * Presenter	Country and Local Time
09:00–09:10	ID 61	**Dimensional Effects of Titania Nanofillers on Thin-Film Composite Membranes for Water Transport and Lithium Concentration**	Nur Diyana SUZAIMI*, Pei Sean GOH, Takaki TANIGUCHI, Sofiah HAMZAH	Malaysia 14:00–14:10; Japan 15:00–15:10
09:10–09:20	ID 270	**Surrogate Modeling and Explainable Machine Learning for Forchheimer-Corrected Flow Through Coupled Free and Porous Media**	Sucheta SINHA*	India 11:40–11:50
09:20–09:30	ID 35	**Metal-Organic Frameworks (MOFs) based Electrocatalysts toward efficient Water Splitting**	Saba AMAN*, Hafeez ANWAR	Pakistan 11:20–11:30
09:30–09:40	ID 64	**Recent Development in Determination of Phenolic Compounds in Bee Products by using AI-assisted HPLC**	Erol TUNCA*, Sevgi KOLAYLI	Türkiye 09:30–09:40
09:40–09:50	ID 155	**Evaluation of the Microbiological Effectiveness of Biochemically Active Detergents in a Chicken Meat Processing Plant**	Kristine LOBJANIDZE*, Lali TABATADZE, Tsitsino SIKHARULIDZE, Ana CHABRAVA, Ana GURGENIDZE	Georgia 10:40–10:50
09:50–10:00	ID 9	**Comparative DFT Study of Li-Decorated TiS2 and Net-Graphene Two-Dimensional Materials for Hydrogen Storage Applications**	Said ELMOUSSAOUI*, Mohamed KHUILI, El Houssine ATMANI, Nejma FAZOUAN	Morocco 07:50–08:00
10:00–10:10	ID 14	**Integrated Structural, Electronic, Nonlinear Optical, and Biological Investigation of the Schiff Base BHBA: A Combined Experimental and DFT Study**	Samia DJABBOUR*	Algeria 08:00–08:10

ONLINE PAPER SESSIONS BLOCK 2 10:20–11:30 TÜRKİYE TIME

ON-05 Electrical, Electronics & Computer Science 1 (24 September 2026)

Virtual Room: 1	Session Chair: Hacer AKPOLAT	10:20–11:30 Türkiye Time (UTC+3) | English

Türkiye Time UTC+3	ID	Paper Title	Authors * Presenter	Country and Local Time
10:20–10:30	ID 42	Towards a Systematic Conceptualisation of E-Demography: The IDEAS Framework	Farhad YUSIFOV, Elvin GURBANOV*	Azerbaijan 11:20–11:30
10:30–10:40	ID 69	Artificial Intelligence Dangers, Ethical and Legal Issues	Rasmiyya MAHMUDOVA, Konul DASHDAMIROVA*	Azerbaijan 11:30–11:40
10:40–10:50	ID 124	Design of a Voltage-Mode First-Order Universal Filter Circuit Based on DDA and OTA	Kerem YAVAŞ*, Niyazi DÜDÜK, Tayfun UNUK	Türkiye 10:40–10:50
10:50–11:00	ID 128	Calibration-Aware Joint Optimization for Spoofing-Robust Speaker Verification via Auxiliary C_llr Losses	Oğuzhan KURNAZ*	Türkiye 10:50–11:00
11:00–11:10	ID 139	Engineering Secure National Identification Numbers: A Framework for Design, Evaluation, and Privacy-Preserving Generation	Mahmood Al ANNİ*	Iraq 11:00–11:10
11:10–11:20	ID 145	A Decision Support Framework for SIW Architecture Selection in Microwave Bandpass Filter Design	Zehra DURAK*, Gülfem Balasu FIRAT	Türkiye 11:10–11:20
11:20–11:30	ID 172	Balanced Digital Transmission via Block and Continuous Guided Scrambling Line Coding in Optical Fiber Systems	Yavuz TÜRKAY*, Cebrail ÇİFLİKLİ	Türkiye 11:20–11:30

ON-06 Civil & Geological Engineering 1 (24 September 2026)

Virtual Room: 2	Session Chair: Duygu TEKİN	10:20–11:30 Türkiye Time (UTC+3) | Türkçe

Türkiye Time UTC+3	ID	Paper Title	Authors * Presenter	Country and Local Time
10:20–10:30	ID 4	Optimum Design of Steel Space Truss Towers with Integrated Solar Energy Panels	Furkan ÇAĞLAR*, Muhammet YURDAKUL	Türkiye 10:20–10:30
10:30–10:40	ID 33	Investigation of Waste PETG Filaments as a Sustainable Modifier for Asphalt Binders	Zehra Betül GÜNGÖR, Merve Gülfer BOZDEMİR*, Hacer YEŞİLÇİÇEK	Türkiye 10:30–10:40
10:40–10:50	ID 127	Finite Element Validation of Steel Reinforced Composite Columns under Combined Axial and Lateral Loading Using ABAQUS	Halit Erdem ÇOLAKOĞLU*	Türkiye 10:40–10:50
10:50–11:00	ID 163	The Effect of the Length-to-Span Ratio on Vertical Displacement Behavior in the Transition from Arch to Vault: A Finite Element Analysis	Timuçin ASLAN*	Türkiye 10:50–11:00
11:00–11:10	ID 166	Literature-Based Evaluation of the Effects of Aggregate and RAP Moisture on Energy Consumption and Greenhouse Gas Emissions in Asphalt Mixture Production	Bahadır YILMAZ, Ahmet Münir ÖZDEMİR*, Furkan YILDIRIM,	Türkiye 11:00–11:10
11:10–11:20	ID 173	Vibration Testing, FE Model Updating and Structural Evaluations on Hagia Sophia Bell Tower	Yusuf YANIK, Betül DEMİRTAŞ*, Temel TÜRKER, Kübra SAKA YILDIRIM	Türkiye 11:10–11:20
11:20–11:30	ID 214	Discrete Weight Optimization of 3D Reinforced Concrete Frames Using OpenSeesPy	Bilal TAYFUR*	Türkiye 11:20–11:30

ON-07 Electrical, Electronics & Computer Science 2 (24 September 2026)

Virtual Room: 3	Session Chair: Erman KADİR ÖZTEKİN	10:20–11:30 Türkiye Time (UTC+3) | Türkçe

Türkiye Time UTC+3	ID	Paper Title	Authors * Presenter	Country and Local Time
10:20–10:30	ID 2	STATCOM Performance Under Different Loads	Serkan SAĞIR, Turan ÇAKIL*	Türkiye 10:20–10:30
10:30–10:40	ID 165	Dual-Stream and Ensemble Approaches Against the Domain Shift Problem in Computer-Generated Imagery (CGI) Detection	Ahmet KORKMAZ*, Mustafa ÖZDEN	Türkiye 10:30–10:40
10:40–10:50	ID 189	Comparative Performance Analysis of Building-Integrated Photovoltaic (BIPV) Systems Across Diverse Climatic Regions using a Multi-Tool Simulation Framework	Şölen AYAŞLIGİL*, Necati KAYA	Türkiye 10:40–10:50
10:50–11:00	ID 191	The Energy Outlook and Strategic Forecasts of the Organization of Turkic States (OTS): A Comprehensive Analysis	Turan ÇAKIL*	Türkiye 10:50–11:00
11:00–11:10	ID 250	Effect of the Evaluation Paradigm and Patient-Adaptive Fine-Tuning on ECG Arrhythmia Classification	Yasin KILIÇ*, Serdar KOÇKANAT	Türkiye 11:00–11:10
11:10–11:20	ID 251	Auditing a Synthetic Social Media and Mental Health Dataset: Deterministic Structure and a Recalibrated Benchmark	Şule KILIÇ*, Serdar KOÇKANAT	Türkiye 11:10–11:20
11:20–11:30	ID 252	Cascaded Fuzzy-PI Control of a 48V/12V Three-Level Flying Capacitor Buck Converter for Electric Vehicle Auxiliary Power Systems	Aykut BIÇAK*, Yavuz KURŞUN	Türkiye 11:20–11:30

ON-08 Interdisciplinary Engineering & Applied Technologies 1 (24 September 2026)

Virtual Room: 4	Session Chair: Ahmet TEBER	10:20–11:30 Türkiye Time (UTC+3) | Türkçe

Türkiye Time UTC+3	ID	Paper Title	Authors * Presenter	Country and Local Time
10:20–10:30	ID 255	Ozonation of Sugar Factory Lagoon Wastewater for Color and COD Removal	Atila TAŞDEMİR*, Numan Suadi TATAROĞLU	Türkiye 10:20–10:30
10:30–10:40	ID 338	Evaluation of Humification and Humic Substance Formation in The Composting Process	Kemal SULUK*, Fevzi SEVİK	Türkiye 10:30–10:40
10:40–10:50	ID 339	Determination of Microbial Community Dynamics During The Composting Process of Lignocellulosic Wastes	Fevzi SEVİK, Kemal SULUK*	Türkiye 10:40–10:50
10:50–11:00	ID 286	Use of zeolitic tuffs with enhanced strength in the production of structural lightweight concrete	Omer BAYRAK*, Emin ERDEM	Türkiye 10:50–11:00
11:00–11:10	ID 327	Analysis of annual, seasonal, and monthly trends of inflow data in Almus Dam	Banu YILMAZ*	Türkiye 11:00–11:10
11:10–11:20	ID 307	AI-Driven Browser Agent for BDD Generation and Test Automation: An Industrial Evaluation	Minel ALTINTAŞ, Özüm BAŞKAN, Vildan SAĞIROĞLU*	Türkiye 11:10–11:20
11:20–11:30	ID 308	Hybrid Finite Element and Artificial Intelligence Modelling of Acoustic Metamaterial Waveguides for Underwater Communication Applications	Ahmet TEBER*	Türkiye 11:20–11:30

ONLINE PAPER SESSIONS BLOCK 3 11:40–12:50 TÜRKİYE TIME

ON-09 Mechanical, Industrial & Mining Engineering 2 (24 September 2026)

Virtual Room: 1	Session Chair: Duygu TEKİN	11:40–12:50 Türkiye Time (UTC+3) | Türkçe

Türkiye Time UTC+3	ID	Paper Title	Authors * Presenter	Country and Local Time
11:40–11:50	ID 201	**Integrated Assessment of Physical and Mental Workload at Assembly Line Workstations: A REBA and NASA-TLX Based Multi-Objective Task Assignment Optimization Model**	Emre DAĞ*, Sare Ekin KAYA, Bengisu ÖNCÜ, Besim Türker ÖZALP, Tülin GÜNDÜZ	Türkiye 11:40–11:50
11:50–12:00	ID 265	**Sustainability Consulting in The Green Ecosystem: A Decision-Making Process for Selecting Service Providers**	Mustafa HAMURCU*	Türkiye 11:50–12:00
12:00–12:10	ID 158	**Rolling Contact Kinematics of Timelike Curves without Slipping in Minkowski 3-Space**	Mehmet AYDINALP*	Türkiye 12:00–12:10
12:10–12:20	ID 182	**From Molecular Interactions to Bulk Properties: An Analytical Route to Biogas Thermodynamics**	Aslıhan Hatun ÇAÇAN*	Türkiye 12:10–12:20
12:20–12:30	ID 225	**Influence of Turbulence and Transition Modeling on the Aerodynamic Prediction of a NACA0012 Airfoil at Low Reynolds Numbers**	Rahim Aytuğ ÖZER*	Türkiye 12:20–12:30
12:30–12:40	ID 226	**Modified Velocity Profiles for Smooth Motion and Vibration Suppression**	Mehmet UYAR*	Türkiye 12:30–12:40
12:40–12:50	ID 228	**Piezoelectric Sensor-Based Characterization of Vibration Responses in a Fluid-Conveying Straight Pipe**	Semih FİDAN, Mehmet UYAR*	Türkiye 12:40–12:50

ON-10 Mechanical, Industrial & Mining Engineering 3 (24 September 2026)

Virtual Room: 2	Session Chair: Erman KADİR ÖZTEKİN	11:40–12:50 Türkiye Time (UTC+3) | English

Türkiye Time UTC+3	ID	Paper Title	Authors * Presenter	Country and Local Time
11:40–11:50	ID 256	**Data-Driven Prediction of Mixed-Mode Ductile Fracture Load Using Tree-Based Machine Learning Models**	Ali KHALAJI PIRBALOUTI*, Majid R. AYATOLLAHI, Bahador BAHRAMI	Iran 12:10–12:20
11:50–12:00	ID 298	**Thermal Behavior Simulation of a 20-Ah Lithium-Ion Pouch Cell under Realistic Driving Conditions**	Yashar FEKRI, Mohammad Mahdi HEYHAT*	Iran 12:20–12:30
12:00–12:10	ID 352	**On the improvement of fracture resistance in 3D-printed specimens via addition of copper reinforcement**	Hadi SADEGHİAN*, Majid R. AYATOLLAHİ	Iran 12:30–12:40
12:10–12:20	ID 30	**Occupational Risk Assessment and Control Banding Approach for Safe Handling of Nanoparticles in Industrial Environments**	Fatma DJAMAA*, Widad BELKHIRI, Sofia SOUDANI	Algeria 10:10–10:20
12:20–12:30	ID 162	**Economic Effects of CBAM on the Energy and Industrial Sectors in Bosnia and Herzegovina**	Kasim BAJRAMOVİĆ*, Irhad BAJRAMOVİĆ, Irfan BAJRAMOVİĆ	Bosnia and Herzegovina 11:20–11:30
12:30–12:40	ID 177	**Multivariate Nonparametric Density Estimation Using GBS Kernels under α-Mixing Condition**	Ikram TETAH*, Lynda HARFOUCHE, Nabil ZOUGAB	Algeria 10:30–10:40
12:40–12:50	ID 268	**From Coalition Stability to Social Welfare: Environmental R&D Cooperation in a Cost-Heterogeneous Triopoly**	Razika SAİT*	Algeria 10:40–10:50

ON-11 Food & Agricultural Engineering 2 (24 September 2026)

Virtual Room: 3	Session Chair: Hacer AKPOLAT	11:40–12:50 Türkiye Time (UTC+3) | English

Türkiye Time UTC+3	ID	Paper Title	Authors * Presenter	Country and Local Time
11:40–11:50	ID 364	From Waste to Function: Green Synthesis, Characterization, and Active Packaging Applications of Citrus Peel-Derived Carbon Dots	Sebahat ÖZTEKİN*	Türkiye 11:40–11:50
11:50–12:00	ID 15	Influence of Agar-Agar Concentration on Contamination Rate and In Vitro Development of Two Potato Cultivars	Amina BELGUENDOUZ*, Benamar BENMAHIOUL	Algeria 09:50–10:00
12:00–12:10	ID 26	E-Government Technologies and Agribusiness Management Efficiency: A Systematic Literature Review	Anxhela BAKİASİ*	Albania 11:00–11:10
12:10–12:20	ID 36	Sustainable Crop Production, Insect Pest Dynamics and Future Strategies for Global Warming in Agriculture	Amine ASSOUGUEM*, Ahmed EL-HAİDANİ	Morocco 10:10–10:20
12:20–12:30	ID 37	Integrated Eco-Friendly Strategies for the Sustainable Management of Aonidiella aurantii in Citrus Orchards	Amine ASSOUGUEM*, Ahmed EL-HAİDANİ	Morocco 10:20–10:30
12:30–12:40	ID 78	Clinical Mastitis in Lactating Camels of Southern Algeria: Prevalence, Bacterial Isolates, and Antimicrobial Resistance Profiles	Khaled DJEDDI*, Hind HOUSSOU, Yassine GOUASMIA	Algeria 10:30–10:40
12:40–12:50	ID 83	Exploring the Biotechnological Potential of Cupressus sempervirens Essential Oil through Its Antibacterial and Antioxidant Activities	Hezil DJAMİLA*, Benseghir HASSANE, Rouane ASMA, Djeziri MOURAD, Ammisaid ABDELLAH	Algeria 10:40–10:50

ON-12 Chemical & Environmental Engineering 3 (24 September 2026)

Virtual Room: 4	Session Chair: İbtihel ZAIER	11:40–12:50 Türkiye Time (UTC+3) | English

Türkiye Time UTC+3	ID	Paper Title	Authors * Presenter	Country and Local Time
11:40–11:50	ID 135	Engineering Hydrophobic and Corrosion-Resistant ZnO Coatings through Precursor-Controlled Micro/Nanostructures	Zehira BELAMRI*, Warda DARENFAD, Noubeil GUERMAT, Achouak ACHOURI	Algeria 09:40–09:50
11:50–12:00	ID 167	1.1 In Silico Design and Evaluation of Novel Piperazine–Imidazole Heterocycles as Potential PI3K-Targeting Anticancer Agents	Nadia HADHOUM*, Liza HAMADOUCHE, Dihia HAMICHE, Meriem HAMIDI	Algeria 09:50–10:00
12:00–12:10	ID 273	Effects of Manganese Incorporation on the Surface Chemistry, Structural Integrity, and Functional Performance of Eco-Friendly NiO Nanoparticles	Abdelmalik ZEMIECHE*, Loubna CHETIBI, Djamel HAMANA	Algeria 10:00–10:10
12:10–12:20	ID 276	Chitosan-Based Films as Biotechnological Barriers for Enhancing Cellular Antioxidant Defense Against Ionizing Radiation	Khawla RACHMOUNE*, Adnane MOUTAOUAKKİL, El Hassan El MOUDEN, Adem GHARSALLAOUİ	France 11:10–11:20; Morocco 10:10–10:20
12:20–12:30	ID 281	Effective Composites Based on Bentonite-Coated Chitosan for the Removal of Tetracycline from Wastewater	Fatiha TAFRAOUT*, Rachida OUAABOU, Jalal ISAAD	Morocco 10:20–10:30
12:30–12:40	ID 282	Mechanical Performance of Drawn Polybutylene succinate Monofilaments	Maryam BOUSAİD*, Samira BENALİ, Anne GOLDBERG, Vincent PLACET, Mohammed RHAZİ, El Hassan El MOUDEN, Jean-Marie RAQUEZ	Belgium 11:30–11:40; France 11:30–11:40; Morocco 10:30–10:40
12:40–12:50	ID 294	From a Low-Quality VGO By-Product to Biolubricant Precursors: Feedstock Pretreatment for FAME Production through Alkaline Transesterification	Ghania MEGHAGHA*, Soraya AIDENE, Boudjema HAMADA	Algeria 10:40–10:50

ONLINE PAPER SESSIONS BLOCK 4 14:00–15:20 TÜRKİYE TIME

ON-13 Special Türkiye Session Materials, Manufacturing & Sustainable Engineering (24 September 2026)

Virtual Room: 1	Session Chair: Erman KADİR ÖZTEKİN	14:00–15:20 Türkiye Time (UTC+3) | English

Türkiye Time UTC+3	ID	Paper Title	Authors * Presenter	Country and Local Time
14:00–14:20	ID 120	**SPECIAL PRESENTATION BY KEYNOTE SPEAKER Aluminium recycling and Giga-castings**	Derya DİSPİNAR*	Norway 13:00–13:20
14:20–14:30	ID 125	**Investigation of Electromagnetic Interference Shielding Performance of Carbon Fiber-Reinforced Polymer Composites with Mill Scale**	Uğur ERBAŞ, Taha Yasin EKEN, Burak KÜÇÜKELYAS, Cantekin KAYKILARLI, Mehmet Barış TABAKCIOĞLU*	Türkiye 14:20–14:30
14:30–14:40	ID 208	**Investigation of the Initial Separation Load and Distance in the Contact Mechanics of a Functionally Graded Orthotropic Bilayer**	Şevval ÖZTÜRK*, Erdal ÖNER, Murat YAYLACI	Türkiye 14:30–14:40
14:40–14:50	ID 299	**Comparative Structural, Surface Chemical and Optical Characterization of CoFe2O4 and MnFe2O4 Ferrites Prepared by Thermal Decomposition**	Salih Alper AKALIN*	Türkiye 14:40–14:50
14:50–15:00	ID 303	**Quasi-Static Crushing Behaviour of Bioinspired Structures Fabricated from Polyethylene Terephthalate Glycol (PETG)**	Salih GÜNNAR, Doğan ACAR*	Türkiye 14:50–15:00
15:00–15:10	ID 332	**Comparative Analysis of Autonomous Emergency Braking Trigger Strategies under Variable Tire–Road Friction Conditions**	Vedat YEGIN*	Türkiye 15:00–15:10
15:10–15:20	ID 244	**A Hybrid Soft- and Hard-Constrained Physics-Informed Neural Network for One-Dimensional Stefan Free-Boundary Problems**	Djamal Eddine GHERSI*, Nour Elislam MOUGARI, Farida IACHACHENE	Algeria 13:10–13:20

ON-14 Electrical, Electronics & Computer Science 3 (24 September 2026)

Virtual Room: 2	Session Chair: Hacer AKPOLAT	14:00–15:10 Türkiye Time (UTC+3) | English

Türkiye Time UTC+3	ID	Paper Title	Authors * Presenter	Country and Local Time
14:00–14:10	ID 164	**Joint Optimization of Dynamic Workload Allocation and Thermal Management for Reliable Green Data Centers**	Kahina FERHİ*, Assia OUTAMAZİRT, Djamil AÏSSANİ, Kamel BARKAOUİ, Karima ADEL-AİSSANOU	Algeria 12:00–12:10; France 13:00–13:10
14:10–14:20	ID 218	**Exploring the Geometry of the Cotangent Bundle Endowed with Berger-Type Deformed Sasaki Metric over a Standard Kähler Manifold**	Fatiha ZAGANE*, Abderrahim ZAGANE	Algeria 12:10–12:20
14:20–14:30	ID 87	**Synthesis of Coumarin-Based Metal Complexes and Evaluation of Their Ultraviolet Protection Potential**	Mimoza KOSKOVIKU, Hamit ISMAILI, Arben HAZIRI*	Kosovo 13:20–13:30
14:30–14:40	ID 229	**An Operator-Consistent Fractional Data Pipeline for Latent-State Reconstruction and Short-Horizon Mpox Forecasting**	Younes Brahim OUMEDJBER*, Akram BOUKABACHE, Nadjette DEBBOUCHE, Adel OUANNAS	Algeria 12:30–12:40; Saudi Arabia 14:30–14:40
14:40–14:50	ID 232	**EEG-Based Motor Imagery Classification for Hands-Free Wheelchair Navigation Using Machine Learning**	Fatima Zohra HACENE*, Sadek NEKROUF, Khatir KHATIR	Algeria 12:40–12:50
14:50–15:00	ID 186	**Integration of Biometrics, Mobile Computing and Radio Frequency Identification in a Low-Cost Portable Information System Device**	Musa AHMED ZAYYAD, Bashir SALİSU*	Nigeria 12:50–13:00
15:00–15:10	ID 367	**Hydrothermal Synthesis and Structural, Morphological, and Optical Characterization of Flower-Like CoO**	Hakan KIZILTAŞ*	Türkiye 15:00–15:10

ON-15 Electrical, Electronics & Computer Science 4 (24 September 2026)

Virtual Room: 3	Session Chair: Milad ELYASİ	14:00–15:10 Türkiye Time (UTC+3) | English

Türkiye Time UTC+3	ID	Paper Title	Authors * Presenter	Country and Local Time
14:00–14:10	ID 215	A Covariance-Adaptive Three-State Extended Kalman Filter for Robust Lithium-Ion Battery State-of-Charge Estimation	Kada HARTANİ, Norediene AOUADJ*, Abdelkader MERAH	Algeria 12:00–12:10
14:10–14:20	ID 234	Fuzzy Logic Anti-Skid Control for High-Performance Electric Vehicles with In-Wheel Motors	Hadj Abderrahim MEBARKİ, Kada HARTANİ, Norediene AOUADJ*	Algeria 12:10–12:20
14:20–14:30	ID 192	High-Performance Direct Torque Control of PMSM Drives Fed by Three-Level NPC Inverters for Electric Traction Applications	Kada HARTANİ, Norediene AOUADJ*, Abdelkader MERAH	Algeria 12:20–12:30
14:30–14:40	ID 193	High-Performance Fuzzy Logic–SVM Direct Torque Control of PMSM Drives for Electric Vehicle Traction	Kada HARTANI, Abdelkader MERAH, Norediene AOUADJ*	Algeria 12:30–12:40
14:40–14:50	ID 194	Integrated Fuzzy Logic-Based Longitudinal and Lateral Motion Control for Four In-Wheel-Motor Electric Vehicles	Norediene AOUADJ*, Kada HARTANİ, Abdelkader MERAH	Algeria 12:40–12:50
14:50–15:00	ID 198	A Robust Control Design for Minimizing Torque Ripple in PMSMs Using Predictive Torque Control for Vehicular Propulsion	Norediene AOUADJ*, Kada HARTANİ, Abdelkader MERAH	Algeria 12:50–13:00
15:00–15:10	ID 205	Robust Online Stator Resistance Estimation for Sensorless Direct Torque Control of Permanent Magnet Synchronous Machines: A Dual Flux-Model and Super-Twisting Algorithm Approach	Kada HARTANİ, Norediene AOUADJ*, Abdelkader MERAH	Algeria 13:00–13:10

ON-16 Chemical & Environmental Engineering 4 (24 September 2026)

Virtual Room: 4	Session Chair: İbtihel ZAIER	14:00–15:10 Türkiye Time (UTC+3) | English

Türkiye Time UTC+3	ID	Paper Title	Authors * Presenter	Country and Local Time
14:00–14:10	ID 41	Assessment of irrigation water quality in the Guir watershed using the Irrigation Water Quality Index (IWQI)	Saida Ait BOUGHROUS, Ali El MANSOUR, Abdelmonaim El MİMOUNİ, Ali Ait BOUGHROUS, Amine ASSOUGUEM, Imane LAMİNE, Ahmed EL-HAİDANİ*	Morocco 12:00–12:10
14:10–14:20	ID 52	High-Performance Olive Stone Waste Biochar for Continuous-Flow Removal of Cr(VI), Pb(II), and Cd(II) from Contaminated Water	Kawtar EZZAHİ*, Imad RABİCHİ, Loubna El FELS, Rachid IDOUHLİ, Nabil ROCHDİ	Morocco 12:10–12:20
14:20–14:30	ID 67	Photovoltaic Technology Selection for High-Temperature Regions: A Regional Assessment of Solar Energy Yield in Algeria	Farah KADDOURI*, Mahdia TOUBANE, Sabrina LAMRANI, Rekia BELHOUCIF	Algeria 12:20–12:30
14:30–14:40	ID 85	An Enhanced Extra Trees Regression Model with Random Forest-Based Feature Selection for Optimal Water Quality Index Prediction	Mohamed LADJAL*, Hamza BENNACER, Mohammed Assam OUALI	Algeria 12:30–12:40
14:40–14:50	ID 94	Li-Decorated Net-Graphene Beyond Graphene: A First-Principles Route to High-Performance Hydrogen Storage	Said ELMOUSSAOUI*, Mohamed KHUILI, El Houssine ATMANI, Nejma FAZOUAN	Morocco 12:40–12:50
14:50–15:00	ID 96	Electrocoagulation Treatment of Microemulsion-Containing Wastewater: Effect of Concentration on COD Removal Efficiency	Nawel GOUSMI*	Algeria 12:50–13:00
15:00–15:10	ID 98	Biosorption of hexavalent chromium Cr(VI) from aqueous solution using sewage sludge biomass	Ali Yacine SAHNOUN*, Riad AYECHE	Algeria 13:00–13:10

ONLINE PAPER SESSIONS BLOCK 5 15:20–16:30 TÜRKİYE TIME

ON-17 Civil & Geological Engineering 2 (24 September 2026)

Virtual Room: 1	Session Chair: Ruşen SINIR	15:20–16:30 Türkiye Time (UTC+3) | English

Türkiye Time UTC+3	ID	Paper Title	Authors * Presenter	Country and Local Time
15:20–15:30	ID 46	**Performance of Virgin Cork Concrete**	Samah HARIZ*, Brahim TOUIL, Fouad GHOMARI	Algeria 13:20–13:30
15:30–15:40	ID 100	**Valorization of Brick Waste in Concrete Construction**	Ben Khadda BEN AMMAR*	Algeria 13:30–13:40
15:40–15:50	ID 112	**Mathematical and Numerical Modeling of slope stability: the case of National road RN3, Constantine province, Algeria**	Souhila REHAB BEKKOUCHE*, Fadila BENAYOUN, Moufida MOUSSAOUI, Marwa FELIGHA, Ghania BOUKHATEM, Mohammed BENZERARA	Algeria 13:40–13:50
15:50–16:00	ID 147	**The Strategic Role of Roof Thermal Retrofitting in Sustainable Building Design for Mediterranean Climates**	Sadia LAIDI*	Algeria 13:50–14:00
16:00–16:10	ID 168	**Vernomimetic Approach to Sustainable Architecture: A Conceptual Framework Integrating Biomimetic Principles and Vernacular Strategies for Climate Adaptation**	Soumaya KERSENNA*	Algeria 14:00–14:10
16:10–16:20	ID 170	**Forecasting of Water Quality Parameters Using Artificial Neural Network: Minna as a Case Study**	Victor Salifu OGUCHE*, Hassan ABDULRAHMAN, Mohammed SAIDU	Nigeria 14:10–14:20
16:20–16:30	ID 174	**Hygrothermal Performance of a Climate-Responsive Residential Neighborhood in Béjaïa, Algeria**	Yasmina KADI, Soumaya KERSENNA*	Algeria 14:20–14:30

ON-18 Food & Agricultural Engineering 3 (24 September 2026)

Virtual Room: 2	Session Chair: Hacer AKPOLAT	15:20–16:30 Türkiye Time (UTC+3) | English

Türkiye Time UTC+3	ID	Paper Title	Authors * Presenter	Country and Local Time
15:20–15:30	ID 108	**Antifungal Activity of Lactobacilli against Aspergillus niger and Fusarium oxysporum**	Djamila AMAMRA*, Fadela CHOUGRANI, Mansouria BELHOCINE, Abderrahim CHERIGUENE, Abdelkader El Amine DAHOU	Algeria 13:20–13:30
15:30–15:40	ID 122	**LC–MS Characterization and Antifungal Activity of Lavandula stoechas Aqueous Extract Against Aspergillus niger and Fusarium oxysporum: A Promising Natural Agent for Plant Protection**	Samira BENDJEDID*, Rima YAKOUBI, Djamila BENOUCHENNE	Algeria 13:30–13:40
15:40–15:50	ID 219	**LC-MS Analysis and In Vitro Evaluation of dermatoprotective Activity of fixed Oil from Salix alba Aerial Parts**	Esma Anissa Trad KHODJA*, Temtamı HAFİDA, Benouchenne DJAMİLA, Beldı HAKİMA	Algeria 13:40–13:50
15:50–16:00	ID 245	**Assessment of the Antioxidant Potential of Myrtus communis Fruit Extract by the DPPH Radical Scavenging Assay**	Imane KHINECHE*, Dikra HIMEUR, Hayet HIMED, Djamila BENOUCHENNE, Ahlem BOUSETLA	Algeria 13:50–14:00
16:00–16:10	ID 320	**Physico-chemical characterization and evaluation of the insecticidal activity of Rosmarinus officinalis essential oil against Plodia interpenctella**	Meriem ADDA BERKANE*, Assia Fatiha RIGHI, Kada RIGHI	Algeria 14:00–14:10
16:10–16:20	ID 54	**Harnessing Essential Oil of Artemisia as Multifunctional Bioactive Agents in Modern Food Systems**	Mohamed KHIARI*, Fahima KLIBET, Nadjette BOURAFA, Youcef BOUGOUTAIA, Zine KECHRID	Algeria 14:10–14:20
16:20–16:30	ID 80	**Bee Pollen Extracts as Natural Biopreservatives for Raw Milk: Antioxidant, Antibacterial, and Shelf-Life Extension Potential**	Saber BOUTELLAA*, Aya Lina HIOUR, Manel FERKHI, Zineb BOUAMRANE, Mouna MENAKH, Abdelhafid BOUBENDIR	Algeria 14:20–14:30

ON-19 Chemical & Environmental Engineering 5 (24 September 2026)

Virtual Room: 3	Session Chair: İbtihel ZAIER	15:20–16:30 Türkiye Time (UTC+3) | English

Türkiye Time UTC+3	ID	Paper Title	Authors * Presenter	Country and Local Time
15:20–15:30	ID 22	**Reactivity Insights on Some Hydrazide ligands using Parr Functions Conceptual Approach**	Boulanouar MESSAOUDI*	Algeria 13:20–13:30
15:30–15:40	ID 50	**Ethnobotanical Study of Medicinal and Aromatic Plants Used by the Population of Boudnib City, Morocco**	Ahmed EL-HAIDANI, Saida AIT BOUGHROUS, Amine ASSOUGUEM*, Youness FILALI ZEGZOUTI, Abdelhadi ELHASNAOUI, Ahmed LEMHADRI, Nadia LAHRACH	Morocco 13:30–13:40
15:40–15:50	ID 51	**Investigating the Chemical Constituents and Biological Activity of Matricaria pubescens as a Source of Antioxidants and Anti-Resistance Agents**	Elhasnaoui ABDELHADİ, Janah IMAN, Sellam KHALİD, Bouadid ISMAİL, Eddouks MOHAMED, Amine ASSOUGUEM*, Lahrach NADİA, El-Haidani AHMED	Morocco 13:40–13:50
15:50–16:00	ID 59	**Compressive Evaluation Of Structural, Electronic, Elastic, Optical and Magnetic Features Of F-Based Oxide Heusler Alloys for Green Energy Applications: A DFT Insight**	Saadiya BENATMANE*	Algeria 13:50–14:00
16:00–16:10	ID 62	**Structural, optical and electrical properties of a mixed valence bismuth oxide δ-Bi2O3+x prepared by solid-liquid reaction**	Abdelmajid AGNAOU*, Wafaa MHAIRA, Rachida ESSALIM, Boumediene TANOUTI, Abdelaziz AMMAR	Morocco 14:00–14:10
16:10–16:20	ID 72	**Optimization of extraction yield, bioactive compounds, and antioxidant activity in Moroccan Rosa canina L. Fruits**	Imane LAGHMARI*, Ahmed MOUSSAIF, Mohamed RBAA, Saoussan ANNEMER, Rajaa SEGHIRI	Morocco 14:10–14:20
16:20–16:30	ID 73	**Structural and Morphological Investigation of Hematite Films Deposited on Nanostructured Silicon**	Sabrina LAMRANI*, Farah KADDOURI	Algeria 14:20–14:30

ON-20 Mechanical, Industrial & Mining Engineering 4 (24 September 2026)

Virtual Room: 4	Session Chair: Erman KADİR ÖZTEKİN	15:20–16:30 Türkiye Time (UTC+3) | English

Türkiye Time UTC+3	ID	Paper Title	Authors * Presenter	Country and Local Time
15:20–15:30	ID 275	**Machine Learning-Based Prediction of Hydrogen Density for Storage and Transportation Applications**	Nour Elislam MOUGARI*, Djamal Eddine GHERSI, Messaoud Abdelalli BENBELLIL, Farida IACHACHENE	Algeria 13:20–13:30
15:30–15:40	ID 326	**Effects of TIG Arc Regime on La_2O_3 Redistribution and Degradation of Tungstene Electrodes**	Leila BELGACEM*, Maamar HAKEM, Houria KADDOUR, Sayah MERAZI, Mounir SAKMECHE	Algeria 13:30–13:40
15:40–15:50	ID 348	**Evaluation of Drilling Delamination in Carbon C-Orthocryl Composites using a Carbon Tungsten Drill Bit for Orthopedic Applications**	Farouk MESRAFET*, Younes MENAİL, Djaber BOUHAFARA	Algeria 13:40–13:50
15:50–16:00	ID 97	**A Deep Learning Algorithm for Intelligent Mineral Exploration**	Dekhili NOURELHOUDA, Telli ABDELMOUTIA*	Algeria 13:50–14:00
16:00–16:10	ID 146	**Metal-Based Nanoparticles and Carbon Nanomaterials for Orthopedic Implants: Synthesis, Surface Functionalization, Mechanical Performance and Clinical Potential**	İbtihel ZAİER, Nesimi AKPINAR*	Tunisia 14:00–14:10
16:10–16:20	ID 44	**Modeling and Experimental Validation of Solidification due to a Flat Cold Surface**	Kamal A.R. ISMAIL, Fatima A. M. LINO, Mohamed TEGGAR*, Michel P. MACHADO	Brazil 10:10–10:20; Algeria 14:10–14:20
16:20–16:30	ID 71	**A simple model for composite walls with phase change material for passive thermal comfort in buildings**	Kamal A.r. ISMAİL, Fatima A. M. LİNO, Mohamed TEGGAR*, Mário V. MONDLANE	Brazil 10:20–10:30; Algeria 14:20–14:30

DAY 3 ONLINE PROGRAMME FRIDAY 25 SEPTEMBER 2026

All times are shown in Türkiye Time UTC+3. Participant local times are provided for each presentation.

ONLINE PAPER SESSIONS BLOCK 1 09:00–10:10 TÜRKİYE TIME

ON-21 Chemical & Environmental Engineering 1 (25 September 2026)

Virtual Room: 1	Session Chair: İbtihel ZAIER	09:00–10:10 Türkiye Time (UTC+3) | English

Türkiye Time UTC+3	ID	Paper Title	Authors * Presenter	Country and Local Time
09:00–09:10	ID 107	**Study of the Organization of Diatom Populations Spread Throughout Algerian Basin**	Hadjer KADDECHE*, Faiza NOUNE, Halima GRİNİ	Algeria 07:00–07:10
09:10–09:20	ID 111	**Characterization of a corrosive biofilm formed on stainless steel**	Dalila RAHMANI*, Azzdine BETTACHE	Algeria 07:10–07:20
09:20–09:30	ID 118	**Digital-Twin-Driven Control and Simulation for Environmental UAV Missions**	Ali BHAR*	France 08:20–08:30
09:30–09:40	ID 119	**Flavonoids versus Alkaloids: A Toxicological Investigation Using Tetrahymena thermophila**	Omaima BOUDAIA*, Zineb SEKKOUT, Ba KA DIATA, Bouchra EL KHALFI, Abdelaziz SOUKRI, Najat EL AMRANI, Driss RADALLAH, Amal EL HAMSAS EL YOUBI	Morocco 07:30–07:40
09:40–09:50	ID 138	**Estimation of signs of snowfall disturbance in Northeast Algeria using the appearance of buds of Morus alba L.**	Beldjazia AMİNA*, Missaoui KHALED, Haichour RİMA, Khaznadar MOUNA, Eddine AHMED, Bensebaa FETHİ, Kout AKRAM	Algeria 07:40–07:50
09:50–10:00	ID 140	**Towards effective forest fire prevention: Development of a forest fire risk prevention plan for Dar Yaghmouracen, Algeria**	Ahmed EDDINE*, Amina BELDJAZİA, Khaled MISSAOUI, Akram KOUT, Fethi BENSEBAA, Nassir HARRAG	Algeria 07:50–08:00
10:00–10:10	ID 141	**Tracking Floating litter: Insights from Oued El Saf-Saf Skikda**	Halima GRINI*, Daniel GONZÁLEZ-FERNÁNDEZ, Hadjer KADDECHE, Besma BOULEKMA, Nada M'HAMDA BOULOUDANI, Assala ROUAMI, Marwa DAIBOUN SAHEL	Algeria 08:00–08:10; Spain 09:00–09:10

ON-22 Mechanical, Industrial & Mining Engineering 1 (25 September 2026)

Virtual Room: 2	Session Chair: Erman KADİR ÖZTEKİN	09:00–10:10 Türkiye Time (UTC+3) | English

Türkiye Time UTC+3	ID	Paper Title	Authors * Presenter	Country and Local Time
09:00–09:10	ID 269	**Process Improvement in Warehouse Operations: A Case Study on IoT-Enabled Barcode System**	Muhammad Abiddullah MAZLAN, Norliana MOHD ABBAS*, Noriah YUSOFF	Malaysia 14:00–14:10
09:10–09:20	ID 49	**Reducing Temperature in Dry Drilling Titanium Ti-6Al-4V with Improved Drill Margins**	Mohd Faizal ALI AKHBAR*, Taher Sherif Fathi MOHAMED HASSAN	Malaysia 14:10–14:20
09:20–09:30	ID 53	**Effect of Mass Ratio Variation on Vortex-Induced Vibration Energy Generation System**	Fatin ALIAS, Mohd Asamudin A. RAHMAN*	Malaysia 14:20–14:30
09:30–09:40	ID 149	**Thermogravimetric Evaluation of Biochar from Solar Pyrolysis of Empty Fruit Bunch: Combustion Behaviour and Kinetic Parameters**	Nur Farizan MUNAJAT*, Wan Nor Syafika WAN RUSDI, Alia Syafiqah ABDUL HAMED	Malaysia 14:30–14:40
09:40–09:50	ID 236	**Hydrodynamic and Structural Assessment of USV Docking Arms: A Review Study**	Abdul Azim Abdul MUTTALIB, Nik Mohd Ridzuan SHAHARUDDIN*, Mat Hussin AB TALIB, Mastura AB WAHID	Malaysia 14:40–14:50
09:50–10:00	ID 95	**Mechanical Performance and Failure Mechanisms of Cellular-Core Sandwich Structures: A Comparative Review of Honeycomb, Foam, Truss, Corrugated, Lattice, Auxetic and Hybrid Cores**	Hamed Essiddik BEKKI*, Mohd Ruzaimi Bin Mat REJAB, Quanjin MA, Djamel OUİNAS	Malaysia 14:50–15:00; Algeria 07:50–08:00; China 14:50–15:00
10:00–10:10	ID 185	**Development of Nonlinear Model for Prediction of Transient Voltage and Current under Random Dynamic Loading using Ensemble Machine Learning Models**	Deepak BARMOTA*, Ka SUBRAMANIAN	India 12:30–12:40

ON-23 Electrical, Electronics & Computer Science 1 (25 September 2026)

Virtual Room: 3	Session Chair: Ahmet TEBER	09:00–10:10 Türkiye Time (UTC+3) | English

Türkiye Time UTC+3	ID	Paper Title	Authors * Presenter	Country and Local Time
09:00–09:10	ID 10	**Technical Limitations of Whole Slide Imaging in Routine Histopathology Practice**	Syakirah GHASALI*, Mohd Faqis ABD AZIZ	Malaysia 14:00–14:10
09:10–09:20	ID 11	**Removal of Noise in Ship Images**	Shahrizan JAMALUDIN*, Md MEHERULLAH, Md Mahadi Hasan IMRAN	Malaysia 14:10–14:20
09:20–09:30	ID 6	**Real-time Multiclass Bone Fracture Classification using an Optimized Hybrid Deep Learning Framework and Mobile-to-PC Interface**	Ei Phyu Sin WİN*	Myanmar 12:50–13:00
09:30–09:40	ID 342	**Forecasting Solar Radiation for Enhanced Performance of Solar Polygeneration Systems Using ANFIS and ARMAX Models**	Nuraini Sunusi MA'AJİ*, Ahmad Nazri DAGANG, Muhammad Syrifudden YAHYA, Ali SHEFİK	Malaysia 14:30–14:40; Cyprus 09:30–09:40
09:40–09:50	ID 18	**Problems Of Personal Data Collected in the Cyber Physical Social System**	Araz MUSTAFA*	Azerbaijan 10:40–10:50
09:50–10:00	ID 23	**Secure Programming and Secure Codding**	Murad MUSTAFAYEV*	Azerbaijan 10:50–11:00
10:00–10:10	ID 39	**Integration of Artificial Intelligence and Machine Learning Models into Modern Programming Technologies: A Review of MLOps and LangChain Frameworks**	Nail RZAZADE*	Azerbaijan 11:00–11:10

ON-24 Food & Agricultural Engineering 1 (25 September 2026)

Virtual Room: 4	Session Chair: Hacer AKPOLAT	09:00–10:10 Türkiye Time (UTC+3) | English

Türkiye Time UTC+3	ID	Paper Title	Authors * Presenter	Country and Local Time
09:00–09:10	ID 5	**Effect of Incorporation of Pumpkin Peel Powder on Quality Characteristics of Chicken Nuggets**	Tusneem KAUSAR*, Muhammad Irfan KHAN, Ashiq HUSSAIN	Pakistan 11:00–11:10
09:10–09:20	ID 16	**Innovation in the Development of Probiotic Herbal Ice Cream**	NAVARASAM.R*, JEEVARATHİNAM.G	India 11:40–11:50
09:20–09:30	ID 123	**Innovative Technology for the Production of Goji Berry-Enriched Chicken Pâté Using Enzymatically Modified Gizzard**	Sofio DZNELADZE*, Elene SORDİA, Akaki BOKERİA, Levan ELİASHVİLİ	Georgia 10:20–10:30
09:30–09:40	ID 154	**Containment and Molecular-Physiological Dynamics of Campylobacter spp. in Industrial Poultry Abattoirs During Technological Stress Factors and Process Deviations**	Ana CHABRAVA*, Akaki BOKERIA, Tsitsino SIKHARULIDZE, Kristine LOBJANIDZE, Ana GURGENIDZE	Georgia 10:30–10:40
09:40–09:50	ID 160	**Experimental Investigation of Surface Wettability Effects on Fog Harvesting Performance of Stainless Steel Mesh Collectors**	Amir Hossein DODANGEH, Mohammad Mahdi HEYHAT*	Iran 10:10–10:20
09:50–10:00	ID 259	**Production of a Butter-based Dessert Product with the Addition of Mountain Blueberry (vaccinium myrtillus)**	Nino GAMKRELIDZE*, Ketevan MAKHASHVILI, Ani MUZASHVILI, Elene KILADZE	Georgia 10:50–11:00
10:00–10:10	ID 340	**Portable Vis-NIR/NIR Spectroscopy and Machine Learning for On-Site Quality Assessment of Fruits and Vegetables: From Laboratory to Field Applications**	Hacer AKPOLAT*	Türkiye 10:00–10:10

ONLINE PAPER SESSIONS BLOCK 2 10:20–11:30 TÜRKİYE TIME

ON-25 Civil & Geological Engineering 1 (25 September 2026)

Virtual Room: 1	**Session Chair:** Murat KARADENİZ	10:20–11:30 Türkiye Time (UTC+3) | English

Türkiye Time UTC+3	ID	Paper Title	Authors * Presenter	Country and Local Time
10:20–10:30	ID 321	**Effects of Lead Core Heating on the Seismic Response of a Base-Isolated Building: A Segmented SAP2000 Approach**	Ali İhsan KARAKAŞ*, Muhamad ZULFAKAR	Türkiye 10:20–10:30; Indonesia 14:20–14:30 WIB
10:30–10:40	ID 1	**Evaluation of Thermoplastic Starch as a Bio-Based Modifier for Asphalt Binder**	Nurgül MARAL, Hacer YEŞİLÇİÇEK*, Merve Gülfer BOZDEMİR	Türkiye 10:30–10:40
10:40–10:50	ID 129	**Effect of Semi-Rigid Connections on the Seismic Behaviour of Steel Frame Structures**	Hürmet KÜÇÜKGÖNCÜ*	Türkiye 10:40–10:50
10:50–11:00	ID 181	**A Comprehensive Review of Pavement Crack Sealing Materials, Techniques, and Performance Evaluation**	Nisreen A. ABBAS*	Iraq 10:50–11:00
11:00–11:10	ID 240	**Prioritization of Performance Evaluation Criteria for Urban Bus Routes Using Analytic Hierarchy Process (AHP): An Operator Perspective from ESHOT**	Onur Can KARA, Ziya CAKICI*	Türkiye 11:00–11:10
11:10–11:20	ID 355	**The effect of using calcined yellow Bayburt stone with lime on soil stabilization**	Fatih YILMAZ, Gülseren GÜL*	Türkiye 11:10–11:20
11:20–11:30	ID 372	**Estimating the Undrained Shear Strength of Soils in Kocaeli, Türkiye, Using SPT Blow Counts and Physical Properties: A Multiple Regression Approach**	Murat KARADENİZ*	Türkiye 11:20–11:30

ON-26 Chemical & Environmental Engineering 2 (25 September 2026)

Virtual Room: 2	**Session Chair: Halil İbrahim AKGÜL**	10:20–11:30 Türkiye Time (UTC+3) | Türkçe

Türkiye Time UTC+3	ID	Paper Title	Authors * Presenter	Country and Local Time
10:20–10:30	ID 55	**Application of On-line HPLC-FRAP Antioxidant Activity Method to Scabiosa columbaria subsp. columbaria var. columbaria L. Extract**	Uğur KARDİL*, Zeynep AKAR	Türkiye 10:20–10:30
10:30–10:40	ID 57	**Comparative Evaluation of Physicochemical Characteristics and Quality Parameters of Royal Jelly Samples from Different Geographical Origins in Türkiye**	Yakup KARA*	Türkiye 10:30–10:40
10:40–10:50	ID 65	**The relationship between the quality of propolis extracts and solvents**	Zehra CAN*, Sevgi KOLAYLI	Türkiye 10:40–10:50
10:50–11:00	ID 241	**Advanced Surface Engıneering Of Sugar Beet Pulp Via Citric Acid And Phosphoric Acıd Cross-Linking For High-Capacity Ion-Exchange Applications**	Muhammet Şakir Abdullah EREN, Feride N. TÜRK, Hasan ARSLANOĞLU*	Türkiye 10:50–11:00
11:00–11:10	ID 242	**Integrated Circular Economy Approach: Condensate Water Deammonification And Syrup Decolorization Using Modified Sugar Beet Pulp Biopolymers**	Muhammet Şakir Abdullah EREN, Feride N. TÜRK, Hasan ARSLANOĞLU*	Türkiye 11:00–11:10
11:10–11:20	ID 297	**Effect of Precursor Sol pH on Si/ZnO/Fe_2O_3 Heterojunction Structures for UV Photodetector Applications**	Neslihan SAKAR*, Metin YURDDASKAL, Yagmur CATKIN, Kutsal CAMDALI, Alper AKALIN, Mustafa EROL, Yavuz OZTURK	Türkiye 11:10–11:20
11:20–11:30	ID 312	**Deterioration Mechanisms, Material Characterization, and Restoration Methods of Traditional Textiles**	Pembe TEBER*	Türkiye 11:20–11:30

ON-27 Electrical, Electronics & Computer Science 2 (25 September 2026)

Virtual Room: 3	Session Chair: Erman KADİR ÖZTEKİN	10:20–11:30 Türkiye Time (UTC+3) | English

Türkiye Time UTC+3	ID	Paper Title	Authors * Presenter	Country and Local Time
10:20–10:30	ID 176	**Deep Learning Based Real Time Rocket Detection and Target Tracking System**	Emin ÖZBAKİ, Eren ESEN, Yiğit ÖZERDEM, Mehmet Barış TABAKCIOĞLU*	Türkiye 10:20–10:30
10:30–10:40	ID 195	**Parameter Estimation of the RTC France Solar Cell Using Metaheuristic Optimization Algorithms: A Comparative Analysis**	Melih ÇOBAN*	Türkiye 10:30–10:40
10:40–10:50	ID 196	**Power System Stabilizer Performances Analyzes for SMIB via DOA and GJO for Different Controllers**	Mehmetcan GORİLE*, Mustafa SAKA	Türkiye 10:40–10:50
10:50–11:00	ID 202	**QMF-SASV: Quality-Measure Fusion Using Duration and Embedding-Norm Cues for Spoofing-Aware Speaker Verification**	Oğuzhan KURNAZ*	Türkiye 10:50–11:00
11:00–11:10	ID 204	**DHOLE Algorithm Based Optimal Design of Filtered PID Controller for Time-Delayed Automatic Voltage Regulator Systems**	Ahmet KÜÇÜKKOÇAK*, Mustafa SAKA	Türkiye 11:00–11:10
11:10–11:20	ID 216	**A Secure Layered Architecture for Biometric Data Management in Digital Identity Systems**	Arwa ALANI*	Türkiye 11:10–11:20
11:20–11:30	ID 261	**Explainable Machine Learning for Early Student Dropout Prediction: A Temporal Feature Engineering Approach with Academic and Socioeconomic Indicators**	Tayseer SAWAFTAH, Yavuz TÜRKAY*	Türkiye 11:20–11:30

ON-28 Food & Agricultural Engineering 2 (25 September 2026)

Virtual Room: 4	Session Chair: Ayla ARSLANER	10:20–11:30 Türkiye Time (UTC+3) | Türkçe

Türkiye Time UTC+3	ID	Paper Title	Authors * Presenter	Country and Local Time
10:20–10:30	ID 260	**Nrf2-GPX4 Axis and Ferroptosis in Poultry Nutrition: Current Evidence and Nutritional Implications**	Büşra DUMLU*, Ş. Canan BÖLÜKBAŞI AKTAŞ	Türkiye 10:20–10:30
10:30–10:40	ID 279	**Development of a New and Alternative Fruit Tea by Adding Wild Sour Apple to Green Tea**	Yunus TURAN, Özlem ÇAKIR*	Türkiye 10:30–10:40
10:40–10:50	ID 113	**Evaluation of the Physical Characterization of Isabella Grape (Vitis labrusca L.) Grown in Trabzon and the Antioxidant Capacity of Its Extract**	Zeynep Berin ÇELEBİ*, Oktay YILDIZ	Türkiye 10:40–10:50
10:50–11:00	ID 199	**Orange and Lemon Peels as Food Waste: Comparison of Quality Characteristics and Bioactivities as Sources of Functional Compounds from a Sustainability Perspective**	Mehmet Ali SALIK*, Songül ÇAKMAKÇI	Türkiye 10:50–11:00
11:00–11:10	ID 200	**Biopreservative Cultures in Cheese Technology: Current Approaches from Microbial Safety to Sustainable Shelf Life**	Mehmet Ali SALIK*	Türkiye 11:00–11:10
11:10–11:20	ID 328	**Effect Of Marination Wıth Kıwıfruıt Juıce On Some Qualıty Parameters And Sensory Properties Of Goose Breast Meat**	Elif ODABAŞI, Özlem YILMAZ*	Türkiye 11:10–11:20
11:20–11:30	ID 344	**Assessment of Erzincan Tulum Cheese Regarding Sodium Reduction and Substitution Strategies**	Ayla ARSLANER*	Türkiye 11:20–11:30

ONLINE PAPER SESSIONS BLOCK 3 11:40–12:50 TÜRKİYE TIME

ON-29 Mechanical, Industrial & Mining Engineering 2 (25 September 2026)

Virtual Room: 2	**Session Chair:** Murat KARADENİZ	11:40–12:50 Türkiye Time (UTC+3) | Türkçe

Türkiye Time UTC+3	ID	Paper Title	Authors * Presenter	Country and Local Time
11:40–11:50	ID 237	**Effect of Printing Temperature and Build Orientation on The Compressive Creep Behaviour of FDM-Fabricated Lidinoid Lattice Structures**	Gürkan KAYA*	Türkiye 11:40–11:50
11:50–12:00	ID 249	**Full-Factorial Finite Element Analysis of Implant Diameter, Abutment Material, Bone Type, and Loading Direction**	Fahri MURAT*	Türkiye 11:50–12:00
12:00–12:10	ID 330	**Low-Grade Waste Heat Recovery Using Thermoelectric Generators: A Review of Recent System Configurations and Performance Enhancement Strategies**	Pinar MERT CUCE, Erdem CUCE, Tamer GUCLU*	Türkiye 12:00–12:10
12:10–12:20	ID 331	**Passive Cooling Strategies for Photovoltaic Panels: A Review of PCM, Bio-Inspired Heat Sinks and Hybrid Thermal Management Approaches**	Pinar MERT CUCE, Erdem CUCE, Tamer GUCLU*	Türkiye 12:10–12:20
12:20–12:30	ID 369	**Investigation of Section-Thickness-Dependent Mold Filling Performance of Cerium-Modified A356 Aluminum Alloy**	Lokman YILDIZ, Murat ÇOLAK*	Türkiye 12:20–12:30
12:30–12:40	ID 370	**Thermodynamic and economic trade-offs of regeneration in a biogas-driven SRC–ORC–PEM system: a discrete design space approach**	Ahmet B. BEŞİR*, Ali KAHRAMAN, Sadık ATA	Türkiye 12:30–12:40
12:40–12:50	ID 333	**The Effect of the Cross-Sectional Shape of the Grinding Chamber in Vibratory Mill**	Metin UÇURUM*	Türkiye 12:40–12:50

ON-30 Electrical, Electronics & Computer Science 3 (25 September 2026)

Virtual Room: 3	**Session Chair: İbtihel ZAIER**	11:40–12:50 Türkiye Time (UTC+3) | English

Türkiye Time UTC+3	ID	Paper Title	Authors * Presenter	Country and Local Time
11:40–11:50	ID 262	**A Low-Cost Autonomous Fire Patrol Robot with Hybrid Odometry and Camera-IR Fusion**	Arif Furkan GÜVEN*, Muhammet Mustafa ERGİN, Mücahit CİHAN	Türkiye 11:40–11:50
11:50–12:00	ID 314	**A Comparative Study of SimpleRNN, LSTM, and GRU for BBC News Text Classification**	Ali GÜNDÜZ*	Türkiye 11:50–12:00
12:00–12:10	ID 318	**Landmark-Guided ROI Extraction from Hand Images for Palm Print Recognition with Pre-trained Deep Networks**	Burakhan BUZ, Mustafa KOCAKULAK*	Türkiye 12:00–12:10
12:10–12:20	ID 47	**Advancing traditional models to produce everlasting oscillations**	Alion ALİZOTİ*	Albania 11:10–11:20
12:20–12:30	ID 58	**Unraveling Structure–Property Relationships in ABX_3 Perovskites via First-Principles Calculations**	Saadiya BENATMANE*	Algeria 10:20–10:30
12:30–12:40	ID 81	**Nonlinear Optical Rectification, Second and Third Harmonic Generation in GaAs/$Al_{03}Ga_{07}As$ Quantum Dot-Double Quantum Ring: Effects of Donor Impurity and Magnetic Field**	Lakhdar SEK*, Issam ZAIZ, Abdelmonem MILOUDI	Algeria 10:30–10:40
12:40–12:50	ID 84	**Advanced Deep Learning Models for Image Classification: A Comparative Study and Application Analysis**	Boucif BEDDAD*, Ahmed HADJI, Jack-Gerard POSTAIRE	Algeria 10:40–10:50; France 11:40–11:50

ON-31 Interdisciplinary Engineering & Applied Technologies 1 (25 September 2026)

Virtual Room: 4	Session Chair: Erman KADİR ÖZTEKİN	11:40–12:50 Türkiye Time (UTC+3) | English

Türkiye Time UTC+3	ID	Paper Title	Authors * Presenter	Country and Local Time
11:40–11:50	ID 323	**Beyond pollutant removal: Electrochemical Treatment and Hydrogen Generation**	Fatiha LASSOUANE*, Abdelhamid MRAOUI, Abir AZARA, Mohamed KHERAT, Yasmina BAKOURI	Algeria 09:40–09:50
11:50–12:00	ID 264	**Effect of Lead Rubber Bearing Seismic Isolation on the Maximum and Minimum Displacements of an RC Building Using the Equivalent Static Earthquake Method**	Yasir Ammar Mahmood AL ABBAS*, Ahmad Reshad NOORI	Spain 10:50–11:00; Türkiye 11:50–12:00
12:00–12:10	ID 280	**Solubility Trapping as a Dual Mechanism for Storage Enhancement and Leakage Risk Reduction in CO2 Sequestration: A Compositional Simulation Study**	Zakarya BELIMANE*	Algeria 10:00–10:10
12:10–12:20	ID 86	**Red Lentil Bread: A Nutrient-Dense, Low-Glycemic Alternative Tailored to Diabetic Dietary Needs.**	Meryem ALLIOUA*, Nabila HAMIDI	Algeria 10:10–10:20
12:20–12:30	ID 183	**Evaluation of Polyphenol and Flavonoid Contents and Antioxidant Activity of the Aerial Parts of Bunium incrassatum (Boiss.) Batt.**	Mohammed BOURDACHE*, Nacer AMRAOUI, Lekhmici ARRAR	Algeria 10:20–10:30
12:30–12:40	ID 220	**In Silico Investigation of the Antidiabetic Potential of Peanut Oil Phytochemicals through α-Amylase and α-Glucosidase Inhibition**	Djamila BENOUCHENNE*, Hanene DJEGHIM, Esma Anissa TRAD KHODJA	Algeria 10:30–10:40
12:40–12:50	ID 267	**Molecular Docking studies on the Anti-fungal activity of bioactive molecules identified by GC-MS in Pinus resin extract against Fusarium sp.**	Mouna AMİMOUR*, Djamila BENOUCHENNE, Nihad NEKKAB, Fatimazohra BOUMAMECHE	Algeria 10:40–10:50

ON-32 Interdisciplinary Engineering & Applied Technologies 2 (25 September 2026)

Virtual Room: 1	Session Chair: Halil İbrahim AKGÜL	11:40–12:10 Türkiye Time (UTC+3) | Türkçe

Türkiye Time UTC+3	ID	Paper Title	Authors * Presenter	Country and Local Time
11:40–11:50	ID 329	**Wash-Program-Dependent Voltage Sensitivity of a Residential Dishwasher: Power, Energy and Power Quality Analysis**	Metin TÜYSÜZ*	Türkiye 11:40–11:50
11:50–12:00	ID 353	**Auxiliary Resonant Network Assisted PWM Boost LED Driver for High Power Applications**	Ahmet GÜÇLÜ*, Selim KÖROĞLU	Türkiye 11:50–12:00
12:00–12:10	ID 366	**Quality Parameters, Total Phenolic Content, and Antioxidant Capacity of Commercial Fruit Juices Available in Turkey**	Latife KESKİN, Tuğba ELBİR ABCA*	Türkiye 12:00–12:10

ONLINE PAPER SESSIONS BLOCK 4 14:00–15:20 TÜRKİYE TIME

ON-33 Chemical & Environmental Engineering 3 (25 September 2026)

Virtual Room: 1	Session Chair: Erman KADİR ÖZTEKİN	14:00–15:20 Türkiye Time (UTC+3) | English

Türkiye Time UTC+3	ID	Paper Title	Authors * Presenter	Country and Local Time
14:00–14:20	ID 99	**SPECIAL PRESENTATION BY KEYNOTE SPEAKER** MXene Based Strategies for Smart Detection and Sustainable Removal of Emerging Water Pollutants	Ihsanullah OBAIDULLAH	United Arab Emirates UTC+4 (15:00–15:20)
14:20–14:30	ID 74	Carbon Doping and Lithium Decoration as a Synergistic Strategy for Improving Hydrogen Storage in B8N8 Monolayers	Radouane ASRI*, Mohamed KHUILI, Nejma FAZOUAN	Morocco 12:20–12:30
14:30–14:40	ID 82	Enhanced Photocatalytic Degradation of Basic Fuchsin Dye Using Mg-Doped ZnO Nanoparticles: Experimental Investigation and Theoretical Insights	Farida KHAMMAR*, Zohir BOUMOUS, Samira BOUMOUS	Algeria 12:30–12:40
14:40–14:50	ID 223	Sensorless Direct Torque Control of a PMSM Using a Super-Twisting Sliding-Mode Speed Regulator and a Sliding-Mode Observer with PLL for Electric-Vehicle Traction	Kada HARTANİ, Norediene AOUADJ*, Mokhtar BOUANANE	Algeria 12:40–12:50
14:50–15:00	ID 90	Novel 2-Oxo-1,2-Dihydroquinoline-Based Heterocycles: Synthesis, Biological Evaluation, and Theoretical Studies	Ayoub EL-MRABET*, Amal HAOUDI, Ahmed MAZZAH	Morocco 12:50–13:00; France 13:50–14:00
15:00–15:10	ID 92	Structural Properties of Ni-Doped ZnO Thin Films Investigated by XRD and AFM, and Profilometry	Maya Hanane REZOUG*, Chewki ZEGADİ, Abdelkader NOURİ, Nasr-Eddine HAMDADOU, M'Hamed GUEZZOUL, Nesrine Hadjer BLAHA	Algeria 13:00–13:10
15:10–15:20	ID 114	Novel Vanillin-Based Pyrazole Hybrids: Synthesis, Structural Characterization, and Evaluation of Antioxidant Activity via In Vitro and In Silico Approaches	Mohamed ADARDOUR*, Marouane AIT LAHCEN, Samir HMAIMOU, Mohamed JOUINTI, Abdesselam BAOUİD	Morocco 13:10–13:20

ON-34 Chemical & Environmental Engineering 4 (25 September 2026)

Virtual Room: 2	Session Chair: İbtihel ZAIER	14:00–15:10 Türkiye Time (UTC+3) | English

Türkiye Time UTC+3	ID	Paper Title	Authors * Presenter	Country and Local Time
14:00–14:10	ID 313	Zinc doped Ag3PO4 particles immobilized on 3D-printed floating supports for wastewater treatment	Abdelkabir ELOUAHLOULY*, Hind El MASAOUDİ, Ikram BOULAHYA, Mohamed OUBREK, Abdelouahed DAHROUCH, Ayalew H. ASSEN, Mohammed BENAİSSA	Morocco 12:00–12:10
14:10–14:20	ID 317	Process Development for the Recovery of Chitin and Chitosan from Insect Farming By-Products: Toward Sustainable Biomass Valorization	Azzı MANAR*, Elkadaoui SOUKAİNA, Desbrieres JACQUES, El Hachimi YOUSSEF, Tolaimate ABDELOUAHAD	Morocco 12:10–12:20; France 13:10–13:20
14:20–14:30	ID 7	Enhanced stabilization and sanitary safety of intensive livestock antibiotic-contaminated manure through fungal Composting.	Jihane BAGHOR*; Hasna BEFENZI; Eric RECORD; Loubna EL FELS	Morocco 12:20–12:30; France 13:20–13:30
14:30–14:40	ID 21	From Agricole Waste Biomass to Functional Biochar: Pilot-Scale Production, Modification, and Application Assessment	Younes BEDDACH*, Jalila HANYNY, Aziza EL HAMZAOUI, Zaina IZGHRI, Fatima Ezzahra YAACOUBI, Abdelaziz OUNAS, Abdelrani YAACOUBI, Karima ENNACIRI, Abdelaziz BACAOUI	Morocco 12:30–12:40
14:40–14:50	ID 24	From Sol-Gel Synthesis to AI-Guided Optimization: High-Performance $CdCr_2O_4$ Spinel for Visible-Light Congo Red Photodegradation	Kahina CHELABİ*, Rachida BOUALLOUCHE, Hichem TAHRAOUİ	Algeria 12:40–12:50
14:50–15:00	ID 29	Assessment of wastewater quality in the Guelma region after treatment using different processes (wastewater treatment plant, nanoparticles, and duckweed).	Fatma DJAMAA*, Nedjoud GRARA	Algeria 12:50–13:00
15:00–15:10	ID 40	Hydrochemical Assessment of Surface Water Quality in the Oued Guir Watershed	Saida Ait BOUGHROUS, Ali El MANSOUR, Ali Ait BOUGHROUS, Amine ASSOUGUEM, Imane LAMİNE, Ahmed EL-HAİDANİ*	Morocco 13:00–13:10

ON-35 Mechanical, Industrial & Mining Engineering 3 (25 September 2026)

Virtual Room: 3	Session Chair: Mehmet UYAR	14:00–15:10 Türkiye Time (UTC+3) | English

Türkiye Time UTC+3	ID	Paper Title	Authors * Presenter	Country and Local Time
14:00–14:10	ID 197	**ANN-Based Prediction of Combustion Characteristics in a Hydrogen Dual-Fuel Diesel Engine**	Messaoud Abdelalli BENBELLIL*, Nour El Islam MOUGARI, Djamal Eddine GHERSI	Algeria 12:00–12:10
14:10–14:20	ID 206	**Effect of Tensile Plastic Deformation on the Microstructure and Magnetic Behavior of Ferritic Stainless Steel**	Mounia GUESSOUM*, Naima OUALI, Zine Labidine SAHLI	Algeria 12:10–12:20
14:20–14:30	ID 209	**Mechanical Properties of an Extruded HDPE-100 Pipe Wall Subjected to Sulfuric Acid**	Khaoula BERKAS*, Kamel CHAOUI, Sabrina MAMMERİ	Algeria 12:20–12:30
14:30–14:40	ID 233	**Ba2NdBiO6 Rare-Earth Double Perovskite as an Advanced Functional Material: Rhombohedral Phase Stability and Nd-4f–Driven Ferromagnetic Semiconducting Behavior**	Fatima Zahraa DJİLANİ*, Missoum RADJAİ, Saber Saad ESSAOUD	Algeria 12:30–12:40
14:40–14:50	ID 248	**Analysis of Vacuum Gripping Performance Considering Multiple Parameters**	Iva VLAINIĆ, Goran ČUBRIĆ*, Ivana SALOPEK ČUBRIĆ	Croatia 13:40–13:50
14:50–15:00	ID 253	**Numerical Investigation of Ultra-Lean Syngas Premixed Flame Acceleration in Obstructed Closed Tube**	Yacine HALOUANE*	Algeria 12:50–13:00
15:00–15:10	ID 263	**Three-dimensional numerical simulation of airflow dynamics in a spiral solar air heater**	El Fatmi IMAD, Azzouz ACHEWEK*	Algeria 13:00–13:10

ON-36 Chemical & Environmental Engineering 5 (25 September 2026)

Virtual Room: 4	Session Chair: Latif AKÇAY	14:00–15:20 Türkiye Time (UTC+3) | English

Türkiye Time UTC+3	ID	Paper Title	Authors * Presenter	Country and Local Time
14:00–14:10	ID 153	**Elaboration and characterization of undoped and doped ZnO**	S.BOUHOUCHE*, R.BELHOUCİF, A.OTMANİ	Algeria 12:00–12:10
14:10–14:20	ID 180	**Enhanced Biomethane Production from Olive Mill Wastewater through Co-Digestion with Carbonation Lime from Sugar Beet**	Hassan ERRAJI*, Khalid FARES, Hamza KAJEIOU, Maryam YAHYAOUI, Said OTOUYA, Abdeslam ASEHRAOU, Bagana TILILA	Morocco 12:10–12:20
14:20–14:30	ID 217	**Phytochemical, pharmacological and biological investigation of species of the genus Angelica**	Djamila BENOUCHENNE*, Yasser CHETTAH, Esma Anissa TRAD KHODJA	Algeria 12:20–12:30
14:30–14:40	ID 258	**Responses of Cumin (Cuminum cyminum) Germination to Drought and Salinity.**	Ahbachou FATIMA*, Mohamed Aıt El MOKHTAR, Houssam ABOULOIFA	Morocco 12:30–12:40
14:40–14:50	ID 274	**Larvicidal and Emergence-Inhibiting Potential of Propolis: A Honeybee-Derived Bioinsecticide against Mosquito**	Mouna MENAKH*, Saber BOUTELLAA, Zineb BOUAMRANE	Algeria 12:40–12:50
14:50–15:00	ID 292	**Quaternary Heusler Alloy as a Multifunctional Material for Environmentally Relevant Technologies**	Aya RİGHİ*	Algeria 12:50–13:00
15:00–15:10	ID 304	**Unlocking the Potential of the Solanum Genus: Integrating Ethnobotany, Phytochemistry, and Biotechnology for Sustainable Applications**	Hala ABBAS*, Safa ABOUD, Djamila BENOUCHENNE	Algeria 13:00–13:10
15:10–15:20	ID 116	**Synthesis of Novel Benzodiazepine–Oxadiazole Derivatives via 1,3-Dipolar Cycloaddition**	Mohamed JOUINTI*, Marouane AIT LAHCEN, Samir HMAIMOU, Mohamed ADARDOUR, Abdelaaziz OUAHROUCH, Driss CHERQAOUI	Morocco 13:10–13:20

ONLINE PAPER SESSIONS BLOCK 5 15:20–16:30 TÜRKİYE TIME

ON-37 Electrical, Electronics & Computer Science 4 (25 September 2026)

Virtual Room: 1	Session Chair: İbtihel ZAIER	15:20–16:30 Türkiye Time (UTC+3) | English

Türkiye Time UTC+3	ID	Paper Title	Authors * Presenter	Country and Local Time
15:20–15:30	ID 93	**Multi-Gate MOSFET Modeling via Parallel Single-Gate Equivalent Circuits: From Electrical Behavior to Current Mirror Design**	Mourad HEBALI*, Menouer BENNAOUM, Khadidja REGUIEG, Benyekhlef KADA, Ibrahim Farouk BOUGUENNA, Benoumer IBARI	Algeria 13:20–13:30
15:30–15:40	ID 102	**DFT Characterization of Perovskites for Solar Cell Applications**	Rekia LARBİ*, Azzi SAİD	Algeria 13:30–13:40
15:40–15:50	ID 133	**A Compensated TD3 (C-TD3) Deep Reinforcement Learning Controller for Model-Free Voltage Regulation of a Boost Converter**	Jawhara EL HMIDI*, Anass MANSOURI, Ali AHAITOUF	Morocco 13:40–13:50
15:50–16:00	ID 134	**Design of a Novel Agent-Based AI Platform for Crisis Management**	Younes GHAFIRI*, Jim CHEN, Lhoussain EL HAJJAMI, Mohammed BERRADA	Morocco 13:50–14:00
16:00–16:10	ID 142	**Electromagnetic Analysis and Design of a Quasi-TEM Slotted Elliptical Tube Resonator Operating at 300 MHz for UHF MRI Biomedical Applications**	Kamila ALIANE*, Yasmina ZINE, Nasreddine BENAHMED	Algeria 14:00–14:10
16:10–16:20	ID 148	**A Weighted Causal Predictor for Reversible Data Hiding in Encrypted Images**	Yasmina ZINE*, Kamila ALIANE, Kamel Ghanem GHLEM	Algeria 14:10–14:20
16:20–16:30	ID 161	**Fixed-time backstepping and computed torque with a parametric uncertainty in Robot manipulator**	Benyoubi Badra RANİA*, Chaouch Djamel EDDİNE, Ahmed LARBAOUİ	Algeria 14:20–14:30

ON-38 Mechanical, Industrial & Mining Engineering 4 (25 September 2026)

Virtual Room: 2	Session Chair: Mehmet UYAR	15:20–16:30 Türkiye Time (UTC+3) | English

Türkiye Time UTC+3	ID	Paper Title	Authors * Presenter	Country and Local Time
15:20–15:30	ID 28	**Multi-Fidelity Investigation of Thermally Influenced Turbulent Boundary Layers: Experimental Measurements and Computational Validation**	Amar BERKACHE*	Algeria 13:20–13:30
15:30–15:40	ID 75	**Identification of the Optimal Bonded Woven Patch Configuration for Composite Structures: Single or Double Overlap**	Fayçal MILI*, Ali BENHOUA, Walid HALLOUFI	Algeria 13:30–13:40
15:40–15:50	ID 77	**Machine Learning-Based Surrogate Modelling for Predicting the Vickers Microhardness of Ti3AlC2 MAX Phases**	Oussama ZAİDİ*	Algeria 13:40–13:50
15:50–16:00	ID 79	**Numerical Approaches for Turbine Blade Cooling: Current Methods, Challenges, and Future Trends**	Kamal ABOUELMAJD*, Ismail LAGRAT, Assel Thami LAHLOU, Hamid MOUNIR	Morocco 13:50–14:00
16:00–16:10	ID 117	**Hygro-thermo-mechanical Bending Analysis of Functionally Graded Porous Plates**	Slimane MERDACİ*	Algeria 14:00–14:10
16:10–16:20	ID 151	**Heat Transfer Characteristics of MHD Mixed Convection in a Square Cavity Containing Ag-MgO Hybrid Nanofluid**	Farida IACHACHENE*, Leila SAOUDI, Malika KABACHE	Algeria 14:10–14:20
16:20–16:30	ID 157	**Mechanical Behavior and Modeling of Friction Stir Welded High-Density Polyethylene Joints**	El Bahri OULD CHIKH*, Abdelnour ZAIM, Boudjelal MOULAI ALI	Algeria 14:20–14:30

ON-39 Electrical, Electronics & Computer Science 5 (25 September 2026)

Virtual Room: 3	**Session Chair:** Milad ELYASI	15:20–16:30 Türkiye Time (UTC+3) | English

Türkiye Time UTC+3	ID	Paper Title	Authors * Presenter	Country and Local Time
15:20–15:30	ID 247	**Comparative Performance Analysis of PI and Super-Twisting Sliding Mode Control for a 3-Level NPC Shunt Active Power Filter**	Kheira HEMICI*, Mahmoudı Mohand OULHADJ, Aicha AISSA-BOKHTACHE, Yamina BELGAID, Hakima MOSTFAOUI	Algeria 13:20–13:30
15:30–15:40	ID 257	**Predictive Direct Power Control of a Three-Level NPC PWM Rectifier: A Comparative Study of IP and Super-Twisting DC-Bus Voltage Regulation**	Kada HARTANİ, Hadji KHADİDJA, Norediene AOUADJ*	Algeria 13:30–13:40
15:40–15:50	ID 266	**Optimal Parameter Estimation of Lithium-Ion Battery Equivalent Circuit Models via Particle Swarm Optimization and Grey Wolf Optimizer**	Ibtissam TABBI*, Sabah LOUAREM, Houria SALHI	Algeria 13:40–13:50
15:50–16:00	ID 272	**Development of a Flexible Perovskite Solar Energy Harvester for Portable Electronic Devices**	Bashir SALİSU*	Nigeria 13:50–14:00
16:00–16:10	ID 302	**Numerical Investigation of a Capacitive Sensor for Non-Destructive Identification of Dielectric Materials**	Faiza BENLAKHDAR*, Wahiba DJERIR, Abdelkader SAFOU, Mohand TAZEROUT, Idris BOUCHAMA, Mohamed SOUILAH, Kamel SEDDA, Amirouche BOUAMER	Algeria 14:00–14:10
16:10–16:20	ID 334	**Smart EV Integration into Renewable Energy Microgrids: Enhancing Grid Stability through V2G Technology**	Mokhefi SAMEH*, Larbaoui AHMED, Chaouch Djamel EDDİNE	Algeria 14:10–14:20
16:20–16:30	ID 337	**Reaching Reject: A Dependency-Aware, Automation-Enforced Framework for Provable Sender Identity Across Hybrid Enterprise Mail Estates**	Venkata Ravi Sridhar POTUNURU*	United States 09:20 ET / 06:20 PT

ON-40 Interdisciplinary Engineering & Applied Technologies 3 (25 September 2026)

Virtual Room: 4	**Session Chair: Latif AKÇAY**	15:30–16:10 Türkiye Time (UTC+3) | English

Türkiye Time UTC+3	ID	Paper Title	Authors * Presenter	Country and Local Time
15:30–15:40	ID 283	**Antimicrobial Resistance in Escherichia coli from Moroccan Poultry Products: Prevalence, Resistance Patterns and Food Safety Implications**	Oumaima FAZZA*, Soukaina ELJAOUAHIRY, Hajar ELMOURABIT, Abdelaziz HMYENE	Morocco 13:30–13:40
15:40–15:50	ID 284	**Genomic Characterization of Colistin Resistance in Multidrug-Resistant Escherichia coli Isolated from Moroccan Poultry Products**	Oumaima FAZZA*, Bouchra KARRAOUANE, Germán KOPPRIO, Brahım BOUCHRIF, Mıreılle Favard ENNACHACHIBI, Abdelazız HMYENE	Morocco 13:40–13:50; Germany 14:40–14:50
15:50–16:00	ID 239	**Estimation of Soil Hydraulic Conductivity Using Pedotransfer Functions in the Tarsus Coastal Plain (Türkiye)**	Geanella Mishel HERRERA NARVÁEZ*, Cüneyt GÜLER, Jale BEKTAŞ, Mehmet Ali KURT	Ecuador 07:50–08:00
16:00–16:10	ID 373	**Custom TTA Operations for the Local Binary Patterns**	Latif AKÇAY	Türkiye 16:00–16:10