



INTERNATIONAL SUSTAINABLE TRANSPORTATION SYMPOSIUM



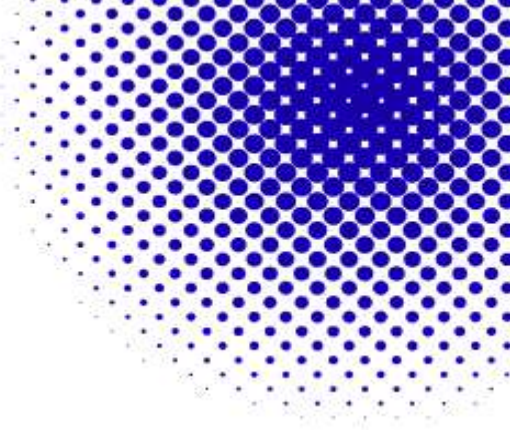
ISTRAS'26 Online

17th-19th
JUNE 2026

in Memory of
Dr. Fuad Mirzayev
Rest in Peace

Symposium Program





Welcome to ISTRAS'26!

It is a great pleasure to invite you to the International Sustainable Transportation Symposium (ISTRAS'26), which will be held online on June 17 - 19, 2026, hosted by the Piri Reis University, Istanbul, Türkiye.

Sustainable transportation is a critical area of research and innovation, addressing environmental challenges, energy efficiency, and technological advancements in mobility. ISTRAS'26 is an international, multi-disciplinary symposium that will explore key topics in sustainable transportation, including green mobility solutions, smart infrastructure, alternative energy sources, electrification, autonomous transportation, and policy frameworks.

This year's symposium carries special significance as we honor the memory of Dr. Fuad Mirzayev, a distinguished scholar and one of the key visionaries behind the establishment and development of ISTRAS. His vision, leadership, and dedication played an invaluable role in transforming the symposium into a respected international platform for scientific collaboration and knowledge exchange.

We warmly invite researchers, academics, industry professionals, and students to join us in Istanbul and contribute to shaping the future of sustainable transportation.

Thank you for joining us - we look forward to three days of online discussion, groundbreaking ideas, and lasting connections!

In memory of Dr. Fuad Mirzayev. His contributions will remain an enduring part of the history and future of ISTRAS.

ISTRAS'26 Organizing Committee



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Govhar Saatova

National Aviation Academy, Azerbaijan

Khayal Ahmadli

National Aviation Academy, Azerbaijan

Rovshan Ahmadov

National Aviation Academy, Azerbaijan

Aygul Yagubova

National Aviation Academy, Azerbaijan



Memory of
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ISTRAS'26 Online

17th-19th
JUNE 2026

Day 1 17 June 2026

ISTANBUL TIME (UTC+3)	TOPIC	PRESENTER		
10:00 - 10:30	Opening Session	Khagani Abdullayev , Founding Chair of ISTRAS'26, Vice-rector of National Aviation Academy, Baku, Azerbaijan M. Ziya Sogut , Chair of ISTRAS'26, Vice-rector of Piri Reis University, Istanbul, Türkiye		
10:30 - 11:00	Opening Keynote Session	T. Hikmet Karakoç , Founding Chair of ISTRAS'26, President of SARES, Dean of Research of Piri Reis University, Istanbul, Türkiye Session Chair: Cüneyt Ezgi		
11:00 - 12:00	1st Keynote Session	ON THE USE OF MODERN VOLTAGE AND CURRENT SENSORS IN ON-BOARD EQUIPMENT OF VEHICLES Islam Isgandarov , National Aviation Academy, Baku, Azerbaijan GLOBAL, REGIONAL AND NATIONAL CHALLENGES OF AVIATION SAFETY Dmytro Bugayko , National University "Kyiv Aviation Institute", Kyiv, Ukraine Session Chair: T. Hikmet Karakoç		
12:00 - 13:00	1st Industrial Special Session	BEYOND THE MAP: ENGINEERING A LIVING DIGITAL TWIN FOR RESILIENT MOBILITY Bağış Uz , ESRI Türkiye, Türkiye FROM REACTIVE TO PREDICTIVE: THE FUTURE OF AIRPORT SAFETY MANAGEMENT Elmir Guluzadeh , Head of Safety and Quality at Azerbaijan Airports		
13:00-14:00		Lunch Break		
14:00 - 15:15	1st Parallel Session	ISTANBUL HALL (Chair: TABRIZ OSMANLI) Microsoft Teams Link	KARABAKH HALL (Chair: SHOLA SHEKILI) Microsoft Teams Link	BAKU HALL (Chair: ELGUN AGHAYEV) Microsoft Teams Link
		<i>Decarbonization Model and Transformation Framework for Small Scale Marine Vessels Of Marmara Sea</i> Mehmet Ziya Sogut , Ezgi Özer	<i>Energy Management and Clean Energy Transition in Azerbaijan's Transport Sector: Challenges and Opportunities</i> Eldar Gasumov , Gazanfar Suleymanov	<i>Toward new airports, aerodromes and airfields in a new UAV context</i> Fatih Kılıç , Ölcay Ölçen
		<i>Mitigation of Errors in Civil Aviation Navigation Systems Using Intelligent Algorithms</i> Jeyran Agamaliyeva	<i>A conceptual risk-oriented safety management model for international transport corridors using UAVs</i> Heybatulla Ahmadov , Balaga Karimov, Dana Sosunova-Tahirova	<i>Modeling and Simulation of Quadcopter Rotational Dynamics Using MATLAB/Simulink</i> Attandil Mammadov , Gurban Hasanli , Nikolay Rychchikov
		<i>Materials Science and Engineering for Green Transportation</i> Shafagat Mahmudova	<i>Financial Control, Audit Authority, and Cargo Security in Air Cargo Logistics: A Comparative Constitutional and Financial Accounting Analysis of Indonesia and Azerbaijan</i> Fuad Mirzayev , Laura Tifani Zahra	<i>Advancements in Bio-Inspired Flight Systems and Bionic Aerodynamics Through Adaptive Morphology: The Preliminary Study</i> Joaquin Rafael Paggaling , Marjan Mohammad Aref Shadmami Fard , Sharul Sham Dol , Mohammed Alavi
		<i>Explainable Predictive Maintenance for Aircraft Landing Gear: Joint Fault Diagnosis and Remaining Useful Life Estimation Using Digital Twin Data</i> Ergun Arç , Ezgi Özüllü	<i>International transport corridors as catalyst socio-economic transformation of Azerbaijan's logistics system</i> Azad Babayev , Allahverdi Sharifov , Mahir Mustafayev	<i>Edge – AI driven Traffic sign detection and Voice assistance system for vehicle drivers</i> Suthagar Subramaniyan , Naveen Kuttimani , Sahana Varsini Santha Kumar Santhi
<i>Digital Twin Technology for Sustainable Urban Transport: A Conceptual Framework and Research Agenda</i> Nurana Rustamova Hasanli	<i>The Impact of Tax Policy on Demand Elasticity in the Aviation Industry: A Descriptive Analysis of the United Kingdom (2021–2025)</i> Elmar Aliyev	<i>A method for Controlling Ground Vehicles Traffic Flow in Airport Zones</i> Afig Hasanov , Elgun Aghayev , Rovshan Ahmadov		
15:15-15:30		Break		
15:30 - 17:00	2nd Parallel Session	ISTANBUL HALL (Chair: KOVSAR DADASHOVA) Microsoft Teams Link	KARABAKH HALL (Chair: ROVSHAN AHMADOV) Microsoft Teams Link	BAKU HALL (Chair: KANAN HEYDAROV) Microsoft Teams Link
		<i>Analysis of Transit Time Through the Zangezur International Transport Corridor Based on Imitation Modeling under Uncertainty Conditions</i> Heybatulla Ahmadov , BalaAgha Karimov , Aytaj Mustafayeva	<i>Automatic Search System that Ensures Selection of the Antenna with the Greatest Signal in the Decimeter Radiocommunication System</i> Afig Hasanov , Aytan Seyfullayeva	<i>Insider Threats in Intelligent Transportation Systems</i> Shola Shekili , Ramil Mukhtarov
		<i>Quality-of-Service Assessment of Logistics Information Flows in Next-Generation Network Environments</i> Eshah Hashimov , Bayram Ibrahimov , Aziz Talibov , Ramil Akhundov , Kostiantyn Dergachov	<i>Multi-Orbital Satellite Constellations and High-Throughput Systems: A Comparative Analysis of Technical Determinants, Spectral Challenges, and Future Architectures</i> Ramiz Bayramov , Nigar Mahmudova	<i>Design of a Multi-Sensor Gas Monitoring System for Aviation Security Applications</i> Saida Ahmadova
		<i>Wind-Powered Galleon Technology and the Manila Galleons: Sustainable Maritime Transport from a Zero-Emission Perspective (16th–19th Centuries)</i> Hakan Mehmet Köktürk	<i>Cursor Method for Cut-Off Frequency Measurement in Aerospace Electronic Circuits</i> Afig Hasanov , Ruslan Hasanov , Elgun Aghayev , Rovshan Ahmadov	<i>Arctic Maritime Cybersecurity: A Realist Assessment</i> Selen Baldiran , Pelin Bolat
		<i>From the 15-Minute City to the Shaded City: Thermal Comfort as a Transport Variable in Algerian Urban Mobility</i> Mohammed Bouguella , Salim Bouguenna	<i>Shore Power, Electrification, Hydrogen and Alternative Fuels for Sustainable Ports and Short-Sea Shipping: A Technical Evaluation and Strategic Framework</i> Murat Saka , Tayfun Acarer	<i>Long-Run Effects of Accident Structure on Road Traffic Fatalities in Azerbaijan</i> Yadulla Hasanli , Araz Safarova
<i>Sustainable Urban Transportation and Social Development: Policy Implications for Azerbaijan</i> Samira Mammadova , Elvin Aliyev	<i>Satellite Navigation Signal Integrity Assessment Block for Enhancing Receiver Reliability</i> Gurban Sadiyov , Gurban Hasanli , Khadija Jafarova	<i>Evaluation of Student Pilots' Mental Workload Under Emergency Scenarios During Takeoff Using Physiological and Subjective Measurements</i> Tamer Sayas , Utku Usanmaz , Berkay Turkeili		



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INTERNATIONAL SUSTAINABLE TRANSPORTATION SYMPOSIUM



ISTRAS '26 Online

17th-19th
JUNE 2026

Day 2 18 June 2026

ISTANBUL TIME (UTC+3)	TOPIC	PRESENTER	
Speakers' session			
10:00 - 11:00	2nd Keynote Session	<p>Session Chair: Munir Ali Efarra</p> <p>TEACHING CONFIDENCE IN THE CLOUDS, ARTIFICIAL INTELLIGENCE AND DESKTOP FLIGHT TRAINING DEVICES FOR COMPETENCIES DEVELOPMENT IN UNIVERSITY PROGRAMS Geramos Kontos, Abu Dhabi University, Abu Dhabi, United Arab Emirates</p> <p>FAULT TOLERANT ESTIMATION OF UAV DYNAMICS UNDER ACTUATOR/SURFACE FAILURE CONDITIONS Chingiz Hajiyev, Istanbul Gelsim University, Istanbul, Türkiye</p> <p style="text-align: right;">MAIN HALL (Microsoft Teams Link)</p>	
11:00-11:15	Break		
	ISTANBUL HALL (Chair: KOVSAR DADASHOVA) Microsoft Teams Link	KARABAKH HALL (Chair: TABRIZ OSMANLI) Microsoft Teams Link	
	<p><i>Women in Urban Mobility: Emerging Workforce Trends in the Transportation Sector of Hyderabad, India</i> Shradha Binani, Shaik Rehan</p> <p><i>Legal Regulation of UAV Use in Airport Environments: A Conceptual Approach for Azerbaijan</i> Fuad Mirzayev, Asmar Aghayeva, Aynur Adigozalova</p> <p><i>The Applicability of the Maritime Labour Convention to Autonomous Ships: Revisiting the Legal Definition of Seafarer</i> Fevzi Topsoy</p> <p><i>Transportation Business and Management for a Sustainable Future</i> Uviyye Huseynova, Tughay Aliyev</p> <p><i>Legal-Economic Assessment of the Boundary Between Criminal and Administrative Liability in the Caspian Sea Context</i> Shahla Huseynova, Aida Tagiyeva</p> <p><i>Analyzing the impact of Women in C-Suite Roles on Transportation Sustainability</i> Shaik Rehan, Shradha Binani</p>	<p><i>Assessment of the Efficiency of the "E-Dispatcher" System in Train Traffic Management</i> Shahnoza Otakulova, Natalya Yaronova</p> <p><i>A Hybrid Deep Learning and Fuzzy Logic Framework for Condition Monitoring of Railway Traction Motors</i> Farid Huseynov, Elishan Manafov, Huseynulu Guliyev, Tural Jabrayilov</p> <p><i>Assessment of Dispatcher Decision-Making Capability at Large Railway Stations Using Fuzzy Logic</i> Elishan Manafov</p> <p><i>Experimental Investigation and Optimization of Bending Stress in Laser-Welded AISI 316L Stainless Steel for Green Transportation Applications</i> Emrah Arda</p> <p><i>Hydrodynamic Performance of a Small Autonomous Underwater Vehicle Using an Inverted NACA 2412 Wing: CFD Simulation and Prototype Testing</i> Long H. Vo, Hao N. Le, Tai D. Duong, Anh T. Tran</p> <p><i>Waste Heat-Driven sCO₂ Cycle System for Energy Conversion onboard Ships</i> Cüneyt Ezgi, Haydar Kepekci</p>	<p><i>Economic Efficiency of AI-Driven Operational Management in Civil Aviation under Environmental Constraints</i> Elmira Jafari</p> <p><i>Development of a Digital Simulator for Evaluating the Logistics Potential of the Zangezur Corridor</i> Elman Najafov, Aytaj Mustafayeva</p> <p><i>From Waste to Infrastructure: A GPM-Based Governance Model for Second-Life EV Batteries in Azerbaijan</i> Fuad Mirzayev, Kovsar Dadashova, Arzu Abdullayeva</p> <p><i>Sustainable development in the context of green transport investments and green energy corridors: The Azerbaijani experience</i> Gunay Madjidova</p> <p><i>Adaptive Optimization Model Based on Risk and Delay Factors in Multimodal Transportation</i> Balaga Karimov, Saadat Mikayilzade</p> <p><i>Measuring the Impact of Artificial Intelligence on Transport Service Competitiveness: Evidence from Azerbaijan and the Middle Corridor</i> Kanan Heydarov</p>
11:15 - 13:00	1st Parallel Session		
13:00-14:00	Lunch Break		
	ISTANBUL HALL (Chair: ELGUN AGHAYEV) Microsoft Teams Link	KARABAKH HALL (Chair: RAMIL MUKHTAROV) Microsoft Teams Link	
	<p><i>Improving the Accuracy of Object Detection in Video Recordings Obtained from UAVs</i> Dmytro Krytskiy, Alina Artomova, Elvira Kaidan</p> <p><i>Numerical Investigation of the Effect of Laminar Separation Bubbles on Nusselt Number Distribution over a NACA 4412 Airfoil</i> Nhat N. M. Mai, Duc T. Tran, Tai D. Duong, Anh T. Tran</p> <p><i>Critical Gaps in PEM Fuel Cell Modelling for Unmanned Aerial Vehicle (UAV) Integration</i> Sergii Boichenko, Vitalii Karavushkin, Iryna Shkiliuk, Leonid Listovchchik, Victor Stoudenets, Yehor Brodnikovskiy</p> <p><i>Assessing the Social Impact of Innovative Air Mobility and U-space: Evidence from Antwerp</i> Anna Palaiolog, Emmanouil Pantelidis, Athanasios Arvanitidis</p> <p><i>Comparative Modelling of Classical and Aerometric Smart-Probe-Based Yaw Damper Systems</i> Toghrul Karimli, Turgut Khalilli, Rusul Guliyev</p>	<p><i>Fire Risk of Electric Vehicles in Underground Airport Parking: A Scenario-Based Assessment Using the Potential Lethality Gap</i> Shola Shekili, Nadir Xaliqov</p> <p><i>An Assessment of the Selection Criteria for the Northern Sea Route through the Swara Method</i> Selen Baldiran, Ali Cem Kuzu</p> <p><i>Enhancing airport security through AI-based smart surveillance systems: A case study of Heydar Aliyev International Airport passenger terminal</i> Ruslan Rustamov</p> <p><i>The Study on Hybrid VTOL Drone for Offshore Search and Rescue</i> Mansour Khalid Ainaqbi, Shamma Nasser, Alyazia Mohamed Alshehhi, Sharul Sham Dol, Mohammed Alavi</p> <p><i>Defining the Airport's Baggage Handling Process AI Alignment Properties: An Agent-Based Approach</i> Fatos Fatma Erendemir, Alper Dalkiran</p>	<p><i>Finite Element Analysis of Residual Stresses in MIG/MAG Welded AH36 Steel Joints for Shipbuilding Applications</i> Furkan Ertural, Atilla Savas</p> <p><i>Energy Consumption Analysis and Flight Endurance Optimization of a Medical Payload Quadcopter UAV</i> Aftandil Mammadov, Sara Mammadova</p> <p><i>Increasing the Wear Resistance of Titanium Alloys Under Conditions of Nominally Fixed Contact of Ti-CPBP/GRBP by Chemical-thermal Treatment Methods</i> Andrii Khimko, Oksana Mikosyanchyk, Olexsandr Filonenko, Marharyta Khimko</p> <p><i>The effect of transition contact resistance and adhesion of Bi₂Se₃ samples with various alloys on the efficiency of environmentally friendly thermoelements</i> Mali Tagiyev, Khadija Aliyeva, Aida Mammedzade, Ilahe Abdullayeva, Sedva Dzafarova, Arzu Akhmedova</p> <p><i>Assessment of exergetic performance based on comparative analysis considering Centers of Arctic Route</i> Mehmet Ziya Sagut, H. Funda Vercan</p>
14:00 - 15:15	2nd Parallel Session		
15:15-15:30	Break		
	ISTANBUL HALL (Chair: ISLAM ISGANDAROV) Microsoft Teams Link	KARABAKH HALL (Chair: ROVSHAN AHMADOV) Microsoft Teams Link	
	<p><i>Applications of deep learning for safe urban transportation</i> Gunel Jabbarli</p> <p><i>Assessment of Flight Safety Based on the Intelligent Analysis of Flight Events</i> Turana Binnataliyeva</p> <p><i>Energy-Time Trade-offs in UAV Swarm Coverage for Sustainable Aerial Monitoring in ITS: A Scaling Study</i> Itham Mirzayev</p> <p><i>Evaluating the Decarbonization Vision in Shipping with a Sound Decision Making (RDM) Approach</i> Mehmet Ziya Sagut, Oktay Cetin</p> <p><i>A Deep Learning Framework for Distinguishing Real and Synthetic Aircraft Images</i> Ezgi Ozer</p>	<p><i>Application of ACARS for remote monitoring of the pilot's psychophysiological state</i> Aftandil Mammadov, Gurban Sadigov</p> <p><i>An Integration model of hybrid solar energy systems with second life EV batteries for remote sites in oil and gas facilities</i> Aygun Zeynalova, Aygun Heydarova</p> <p><i>Continuous monitoring of the operational reliability of critical aircraft components in flight</i> Toghrul Karimli, Ramin Babayev</p> <p><i>The Role of Differential Equations in Fuel Systems in Marine Navigation Engineering</i> Rovshan Humbatliyev, Aynur Abdullayeva, Shahin Agazade, Bahrüz Agarzayev</p> <p><i>Enhanced Flight Time Estimation for UAVs Using an Intelligent Battery Management System</i> Islam Isgandarov, Muahammadali Hajizadeh</p>	<p><i>Management of Sustainability in Logistics Warehouses: A Maritime Perspective</i> Mehmet Ziya Sagut, Murat Koray</p> <p><i>Assessment Carbon Management and Sustainability on Ships within the EU/ETS Framework</i> Mehmet Ziya Sagut, Erkan Kiyak</p> <p><i>Stress Calculation on Rudder Blade and Linkages of a Ship Using Fluid Structure Interaction Method</i> Ömer Üzümcü, Atilla Savas</p> <p><i>Real-Time UAV Swarm Control Interface with Simulation Integration</i> Gurban Hasani, Farid Norvuzlu, Fariza Hajiyeva</p> <p><i>Negative Impacts of Extreme Weather Conditions on Sea Port Operations: Türkiye as a Case Study</i> Ferhan Oral, Ergün Demirel</p>
15:30 - 17:00	3rd Parallel Session		



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Day 3 19 June 2026

ISTANBUL TIME (UTC+3)	TOPIC	PRESENTER		
Speakers' session				
10:00 - 11:00	3rd Keynote Session	Session Chair: Gerasimos Kontos THE MIDDLE EAST VISION: LEADING THE TRANSITION TO SUSTAINABLE TRANSPORTATION Munir Ali Effarra, Abu Dhabi Polytechnic, Al Ain, United Arab Emirates THIRD-PARTY RISK ASSESSMENT FOR SUSTAINABLE LAND USE MANAGEMENT AROUND AIRPORTS Oleksandr Zaporozhets, Lukaszewicz Research Network - Institute of Aviation, Warsaw, Poland		MAIN HALL (Microsoft Teams Link)
11:00-11:15	Break			
11:15 - 13:00	1st Parallel Session	ISTANBUL HALL (Chair: KOVSAR DADASHOVA) Microsoft Teams Link <i>Mechanical Design and Preliminary Torque-Oriented Analytical Evaluation of a Crankless Oscillating Disk-Type Internal Combustion Engine</i> Tuğrul Orhan	KARABAKH HALL (Chair: TALEH ASGAROV) Microsoft Teams Link <i>Theoretical Analysis of Intake Valve Closing Delay Angle Effects on Marine Engine Performance</i> Aliyahid Aliyev, Alihuseyn Haziye, Kamala Valiyeva	BAKU HALL (Chair: KANAN HEYDAROV) Microsoft Teams Link <i>Enhancement of UAV Flight Range and Endurance Through Parametric Aerodynamic Evaluation</i> Adalat Samadov, Arif Alihuseynov
		<i>A Hybrid AI and Optimization Model for Sustainable Warehouse Inventory and Transport Coordination in Industrial Supply Chains</i> Fidan Khanim Ahmadzade, Seymur Shamkhalov	<i>Machine Learning-Based System for Detecting Military Objects Using UAVs</i> Gurban Sadigov, Rushniyya Eyyazova	<i>Integration of self-healing cellular architectures, dynamic partial reconfiguration, and on-chip rerouting for enhancing the reliability of spacecraft onboard computing systems</i> Islam Isgandarov, Sakinakanum Abdullayeva
		<i>Development of Hybrid Polymer Composite Materials for the Aviation Industry</i> Oksana Mikosianchyk, Olexsandr Yakobchuk, Rudolf Mnatsakanov, Ruslan Kostyunik, Kateryna Chava	<i>Simulation Modeling for Improving the Efficiency of Intersections</i> Fuad Dashdamirov, Ulvi Javadli, Turan Verdiyev	<i>Mitigation Strategies for the Lunar Dust Challenge and a Systematic Review for Sustainable Surface Operations</i> Selin Ateş, Alper Şanlı, Tuncay Yunus Erkeç
		<i>Analysis of Hamming Based FEC for Mitigating Soft Errors in Avionics Hardware</i> Fidan Shiralizada, Gurban Hasanli	<i>A Comparative Study of Classical Approximate Riemann Solvers: Accuracy, Diffusion, and Contact Wave Resolution</i> Bach T. Tran, Tai D. Duong, Anh T. Tran	<i>Design of an integrated control system for ground military vehicles and drones based on sparse approximation of their dynamic models</i> Manafaddin Namazov, Zaur Ashirov
		<i>Design and sizing of a solar PV charging system for electric municipal buses</i> Safiullah Shirzad, Tugba Gurler	<i>Advantages, Shortcomings, and Areas for Improvement in the Use of UAVs in Disaster Response</i> Ilkay Orhan, Onur Ozsoy	<i>Performance Analysis of Power Systems Integrated with SVC (FACTS Device) using ETAP Simulation</i> Tofiq Yaqublu
<i>Nonlinear Genetic Algorithm-Based OTP Architecture for Secure Communication in Aerospace Transportation Systems</i> Seyda Ibrahimova, Isa Huseynzade	<i>Computational Analysis and Conceptual Design of a Scramjet Inlet Isolator System</i> Mansour Khalid Alnaqbi, Shamma Nasser, Alyazia Mohamed Aishehhi, Sharul Sham Dol, Mohammed Alawi	<i>Intelligent Tribological Monitoring and Wear Prediction in Automated Machine Tool Systems Using Smart Sensor Technologies</i> Farid Muradov, Farid Huseynov		
13:00-14:00	Lunch Break			
14:00 - 15:15	2nd Parallel Session	ISTANBUL HALL (Chair: TABRIZ OSMANLI) Microsoft Teams Link <i>Impact of Closing Airspace on Sustainability of Global Air Transportation</i> Ivan Ostroumov	KARABAKH HALL (Chair: TALEH ASGAROV) Microsoft Teams Link <i>Hydrodynamic Motion of Two Types of Charge in Doped Semiconductors and Internal Instability</i> Eldar Hasanov, Shahla Khallova, Ruhyya Mustafayeva	BAKU HALL (Chair: ELGUN AGHAYEV) Microsoft Teams Link <i>Enhancing Aviation Security with Terahertz Spectrometry and Machine Learning</i> Khagani Abdullayev, Turana Vazirova
		<i>A Survey of Sliding Mode Control Based on Adaptive Neuro-Fuzzy Inference System for UAV Applications</i> Samad Samadov, Firdovsi Mahmudlu, Vuqar Huseynov	<i>Health risk assessment of full-body scanners in aviation security: a comparative analysis of ionizing and non-ionizing radiation</i> Ruslan Rustamov, Ragsana Hasanova	<i>Feasibility of a Hybrid Power Supply Systems Based on Ionized Gas and Carbon Nanotubes for Spacecraft</i> Islam Isgandarov, Aygun Aliyeva Sundhordvik
		<i>Development of a Computer Vision-Based Target Selection and Terminal Guidance System for Fixed-Wing Unmanned Aerial Vehicles</i> Khagani Abdullayev, Inara Heydarova, Fuad Dadashov, Huseyn Hasanov, Namig Huseynov, Vagif Gasimov	<i>Comparative Assessment of the Application Possibilities of Unmanned Aerial Vehicles in De-icing and Anti-icing Processes in Air Transport</i> Gunei Alakberova, Rustam Ahmadzade	<i>Environmental Pollution on Transportation in Coastal Areas</i> Khadija Khallova
		<i>UAV Selection for Flood Monitoring Using a Multi-Criteria Decision Model</i> Omur Ozsoy, Ali Emre Sarilgan	<i>Application of Smart Technologies in Transportation Systems</i> Taleh Asgarov, Nigar Hajiyeva	<i>Comparative Assessment of Supercooled Large Droplets Impingement Models for Capture Coefficient Prediction on the NACA 65-415 Airfoil</i> Tai D. Duong, Thach-Thao T. Nguyen
<i>A differential equation for estimating the speed of sound at different temperatures for modelling thermodynamic properties</i> Lala Akhmedova-Azizova, Khagani Abdullayev, Adalat Samadov, Irada Seyidzade	<i>Use of unmanned aerial vehicles equipped with a hybrid power system</i> Rasim Nabiliev, Kamal Askerov, Gadir Garayev, Vusal Abbasov, Garafil Valiyeva	<i>Energy Regeneration for Electric Aircraft: The Preliminary Study</i> Karan Anoop Whabi, Mohammed Sazzad Hossain, Salim Mohamed Jadad Al kathiri, Mohamed Abbas Shibeika, Shammes Abdulla Al-Ali, Sharul Sham Dol, Mohammed Alawi		
15:15-15:30	Break			
15:30 - 17:00	3rd Parallel Session	ISTANBUL HALL (Chair: ROVSHAN AHMADOV) Microsoft Teams Link <i>Hybrid Random Number Generator-Based Radar Deceptive Jamming Electronic Counter-Countermeasures Technique</i> Ruslan Hasanov, Inci Cabbarova	KARABAKH HALL (Chair: JAMAL HUSEYNOV) Microsoft Teams Link <i>Resilient Instrument Procedure Design through Integration of Conventional Schemes at Nakhchivan International Airport</i> Ruslan Huseynzade	BAKU HALL (Chair: ISLAM ISGANDAROV) Microsoft Teams Link <i>Modeling of air traffic control system</i> Peyman Mukhtarov, Nurana Mammadova, Firdun Mukhtarov
		<i>Automatic Control System for Local Oscillator Shunting in Passive Radar</i> Ruslan Hasanov, Kevsar Hajiyeva	<i>Analysis of Operational Principles of Laser Position Reference Systems on Dynamically Positioned Vessels</i> Namig Guliyev	<i>Telemetry Based Mission State Classification for Multirotor UAVs Using Machine Learning: Implications for Operational Monitoring</i> Salih Talha Paksoy, Huseyin Onder Aldemir
		<i>Development of a Real-Time Multi-Parameter Monitoring System for the Technical Condition of Electric Motors</i> Elsan Manafov, Farid Huseynov, Kenan Jabbarzadeh, Elshan Alisoy	<i>Assessment of Eco-Economic Risks in Gas Preparation for Transmission and Transportation Processes</i> Yusif Alakbarov, Hajar Ismayilova, Ziver Farzalzade	<i>Computational Fluid Dynamics Simulation of the Aerodynamic Behavior of a Hawk Wing at Different velocities and Angles</i> Ali Okan, Münir Süner
		<i>Modeling of Microprocessor-Based Complex Protection System for Locomotive Traction Transformer</i> Elsan Manafov, Ali Aslanli, Farid Huseynov	<i>Some Aspects of Assessing Road Traffic Noise Levels in Residential Areas: A Case Study of Baku</i> Bakhtiyar Azizov, Hikmat Mammadov, Fidan Shikhaliyeva	<i>Formation and Evaluation of a System of Efficiency Indicators for Cargo Transportation in Military Logistics Processes</i> Aziz Talibov, Elshan Hashimov, Ramil Akhundov, Bayram Ibrahimov
<i>From Propensity to Causality: Enhancing Aviation Campaign Effectiveness via Uplift Modelling</i> Ulkar Habibullayev	<i>ARI-Based Explainable Management of Asymmetric Operating Conditions in Electrified Railway Traction Networks</i> Huseynqulu Guliyev, Shamkhal Aliyev, Elshen Soltanov, Aynura Allahverdiyeva			