



5th International Conference on Problems of Logistics, Management and Operation in the East-West Transport Corridor

PROGRAM

*Dedicated to the 75th anniversary of
Professor Kamil Aida-zade*

May 18-21, 2026
Baku, Azerbaijan



17 May (Sunday)			
12:00 – 23:00	Arrival and registration of foreign participants		
18 May (Monday)			
Institute of Mathematics, 68 B.Vahabzade str., Baku			
09:00 – 10:00	Registration of local participants Vestibule (1 st floor)		
10:00 – 11:00	Opening Ceremony Session dedicated to the 75th anniversary of Professor Kamil Aida-zade Assembly Hall (1 st floor)		
11:00 – 11:40	Plenary Session Assembly Hall (1 st floor)		
11:40 – 12:00	Coffee break		
12:00 – 13:00	Section 1 Assembly Hall (1 st floor)	Section 2 Conference room (2 nd floor, #220)	Section 3 Round table room (3 rd floor)
13:00 – 14:30	Lunch break		
14:30 – 15:30	Section 1 Assembly Hall (1 st floor)	Section 2 Conference room (2 nd floor, #220)	Section 3 Round table room (3 rd floor)
15:30 – 15:50	Coffee break		
15:50 – 16:50	Section 1 Assembly Hall (1 st floor)	Section 2 Conference room (2 nd floor, #220)	Section 3 Round table room (3 rd floor)
19 May (Tuesday)			
Institute of Mathematics, 68 B.Vahabzade str., Baku			

10:00 – 11:30	Section 1 Assembly Hall (1 st floor)	Section 2 Conference room (2 nd floor, #220)	Section 3 Round table room (3 rd floor)
11:30 – 11:50	Coffee break		
11:50 – 13:00	Section 1 Assembly Hall (1 st floor)	Section 2 Conference room (2 nd floor, #220)	Section 3 Round table room (3 rd floor)
13:00 – 14:30	Lunch break		
14:30 – 15:30	Section 1 Assembly Hall (1 st floor)	Section 2 Conference room (2 nd floor, #220)	Section 3 Round table room (3 rd floor)
15:30 – 15:50	Coffee break		
15:50 – 16:50	Section 2 Conference room (2 nd floor, #220)	Section 3 Round table room (3 rd floor)	
20 May (Wednesday) Azerbaijan Technological University, Ganja			
07:00 – 12:00	Trip to Ganja city		
12:00 – 13:00	Hotel check-in		
13:00 – 14:00	Lunch break		
14:00 – 15:00	Opening Ceremony and Plenary Section		
15:00 – 15:30	Tea break		
15:30 – 17:00	Section “Ganja”		
17:00 – 17:30	Closing ceremony		
21 May (Thursday)			
08:00 – 11:00	Trip to Qabala		
11:00 – 14:00	Tours and cultural activities		
14:00 – 15:00	Lunch break		
15:00 – 18:00	Round Table: Discussion of Scientific Results and International Cooperation		
18:00 – 23:00	Trip to Baku		

Organizing Committee

Chair: Elkhan Sabziev (Azerbaijan)
Co-Chair: Xingfa Gu (China)
Co-Chair: Tamaz Natriashvili (Georgia)
Co-Chair: Abdulaziz Gulamov (Uzbekistan)
Co-Chair: Yashar Omarov (Azerbaijan)

Members:

- Abdullayeva, Gulchin (Azerbaijan)
- Ahmedov, Heybatulla (Azerbaijan)
- Aliyev, Elchin (Azerbaijan)
- Amirgaliyev, Edilkhan (Kazakistan)
- Apostolov, Mario (Switzerland)
- Chaudhary, Prince Shiva (USA)
- Ćwiek, Janusz (Poland)
- Gogiashvili, Phridon (Georgia)
- Ibrahimov, Bayram (Azerbaijan)
- Imanov, Azer (Azerbaijan)
- Imanov, Gorkhmaz (Azerbaijan)
- Mamedov, Ilgar (Azerbaijan)
- Mammadova, Masuma (Azerbaijan)
- Musaeva, Naila (Azerbaijan)
- Norkulov, Sukhrob (Uzbekistan)
- Nuriyev, Urfat (Turkiye)
- Piliponis, Arturas (Lithuania)
- Renying, Li (China)
- Rzayev, Ramin (Azerbaijan)
- Shahbazova, Shahnaz (Azerbaijan)

- Sipos, Tibor (Hungary)
- Turaev, Bakhodir (Uzbekistan)
- Virkovski, Valery (Azerbaijan)

Program Committee

Chair: Rasim Alguliyev (Azerbaijan)

Co-Chair: Aleksander Śładkowski (Poland)

Co-Chair: Adil Bagirov (Australia)

Members:

- Abdullayev, Seidulla (Kazakhstan)
- Abramović, Borna (Croatia)
- Aida-Zade, Kamil (Azerbaijan)
- Aliev, Telman (Azerbaijan)
- Asenov, Asen (Bulgaria)
- Bačkalis, Todor (Serbia)
- Božičnik, Stane (Slovenia)
- Bureika, Gintautas (Lithuania)
- Carnis, Laurent (France)
- Drożdziel, Paweł (Poland)
- Elemesov, Kasym (Kazakhstan)
- Faraslis, Ioannis (Italy)
- Gasimov, Sayavush (Azerbaijan)
- Gašparík, Jozef (Slovakia)
- Gitolendia, Boris (Georgia)
- Hajiyeu, Chingiz (Türkiye)
- Hasanov, Fakhri (Saudi Arabia)
- Ivanov, Rosen (Bulgaria)
- Juwet, Marc (Belgium)
- Kikvidze, Omar (Georgia)

- Kirtadze, Shalva (Georgia)
- Krupp, Thomas (Germany)
- Malenkovska Todorova, Marija (North Macedonia)
- Mansurov, Yulbarshon (Uzbekistan)
- Melikov, Agassi (Azerbaijan)
- Mezitis, Marek (Latvia)
- Mocan, Marian (Romania)
- Mukhitdinov, Akmal (Uzbekistan)
- Pencheva, Velizara (Bulgaria)
- Pogodzinski, Joseph (USA)
- Poliak, Miloš (Slovakia)
- Prentkovskis, Olegas (Lithuania)
- Providas, Efthimios (Italy)
- Radjibaev, Davron (Uzbekistan)
- Rakhimov, Rustam (Uzbekistan)
- Ricci, Stefano (Italy)
- Ruzmetov, Yadgor (Uzbekistan)
- Shaumarov, Said (Uzbekistan)
- Sierpiński, Grzegorz (Poland)
- Staniek, Marcin (Poland)
- Švadlenka, Libor (Czech Republic)
- Török, Ádám (Hungary)
- Tumanishvili, Georgy (Georgia)
- Vitkauskas, Vytautas (Lithuania)
- Wojnar, Grzegorz (Poland)

Technical Support Group

Executive secretary of the Conference - Tofig Babayev (Group Head)

Members:

- Aliyeva, Aygun (Treasurer of the Conference)
- Alizada, Tahir (Contact Person for Springer)
- Azimov, Rustam (Consultant)
- Gadimova, Leyla (Manuscript Editor)
- Imanova, Firangiz (Manuscript Editor)
- Karimov, Etiram (General Manager)
- Mammadov, Vusal (Webmaster)
- Mammadova, Narmin (Webmaster Assistant)
- Melikova, Khalida (Publications Chair)
- Serova, Esmira (Translator)

18 May (Monday)

Program

5th International Conference on Problems of Logistics, Management and Operation in the East-West Transport Corridor (PLMO 2026, May 18-21, 2026)

Opening Ceremony

10:00 – 11:00

**Session dedicated to the
75th anniversary of
Professor Kamil
Aida-zade**

**Institute of Mathematics,
Assembly Hall (1st floor)**

- Director of the Institute of Mathematics of the Ministry of Science and Education, Professor **Elkhan Sabziyev**
- Director of the State Agency for Science and Higher Education of the Ministry of Science and Education, Professor **Ulkar Sattarova**
- Vice-President of Azerbaijan National Academy of Sciences, Director General of the Institute of Information Technologies of the Ministry of Science and Education, Academician **Rasim Alguliyev**
- Eastern Europe Extended Journals, Springer, Associate Publisher **Tatiana Golea**
- Honorary CEO - Advisor to the CEO of the Institute of Information and Computational Technologies, Academician of the National Academy of Sciences of the Republic of Kazakhstan **Maksat Kalimoldayev**

18 May (Monday)

- Director of the R.Dvali Institute of Mashine Mekhanics (Georgia), Academician of the Georgian National Academy of Sciences **Tamaz Natriashvili**
- Editor-in-Chief of the Int. Sci. Journal "Transport Problems", Silesian University of Technology (Poland), Professor **Aleksander Śladkowski**
- Rector of Azerbaijan University of Technology Dr. **Yashar Omarov**
- Head of the Department of the Tashkent State Transport University (Uzbekistan), Professor **Rustam Rakhimov**

11:00 – 11:40

Plenary Session

**Institute of Mathematics,
Assembly Hall (1st floor)**

Moderator – *Elkhan Sabziev*

1. *Kamil Aida-zade*. Optimization and Control Problems in Complex Hydrocarbon Pipeline Transportation Networks (Azerbaijan)
2. *Tamaz Natriashvili, Revaz Kavtaradze, Giorgi Chilashvili*. The Influence of Working Fluid Turbulence on the Efficiency and Environmental Performance of Traditional Diesel Engines Converted to Natural Gas and Hydrogen with Forced Ignition (Georgia)

11:40 – 12:00

Coffee Break

Section 1

12:00 – 13:00

**Institute of Mathematics,
Assembly Hall (1st floor)**

Moderator – *Janusz Ćwiek*

1. *Robert Tomanek*. Corporate Carbon Footprint Assessment in Urban Public Transport: Methodology and Empirical Results from the Upper Silesian Metropolitan Region (Poland)
2. *Andrey Rychkov, Majid Abbasov*. Metaheuristic Optimization for Cost-Optimal Road Alignment under Terrain-Dependent Construction Costs (Russia)
3. *Rustam Rahimov, Farida Galimova, Diyor Zafarov, Doston Sultonaliev*. Development of Structural Solutions for the Conversion of a Passenger Railcar Body for Baggage Transportation and Loading-Unloading Operations (Uzbekistan)
4. *Piotr F. Borowski*. Economic and Ecological Efficiency of Rail, Road and Air Transport in the Management of Forwarding Companies: Analysis of Poland-Azerbaijan Trade (Poland)

13:00 – 14:30

Lunch Break

14:30 – 15:30

Moderator – *Asif Rzayev*

5. *Alihuseyn Haziyevev, Akif Ismayilov, Vagif Hasanov*. Influence of Heat Source Parameters and Heat Transfer Intensification Methods on the Performance of Shipboard Freshwater Generators (Azerbaijan)
6. *Khurshudov Dursun, Hunbataliyev Elmar, Nuraliyev Jamalladdin, Mikayilov Seymur*. IoT and Artificial

18 May (Monday)

Intelligence-Based Monitoring and Risk-Based Control of Harmful Gases in Smart House Areas (Azerbaijan)

7. *Arzu Safarova*. Growth, Employment and Road Traffic Injuries: Nonlinear Short-Run Dynamics and Long-Run Stability (Azerbaijan)
8. *Zumrud Gahramanova, Shahla Gahramanova*. User Perception and Expert Insight in Urban Transport: A Cognitive Analysis of Baku (Azerbaijan)

15:30 – 15:50

Coffee Break

15:50 – 16:50

Moderator – *Asif Rzayev*

9. *Aliagha Gasimov, Sevar Mammadova, Elman Ibishov*. Innovation as a Catalyst for Transport Sector Development: Evidence from Azerbaijan (Azerbaijan)
10. *Najaf Mammadzada, Jabir Mammadov*. Zero-Day Vulnerabilities: Detection, Impact and Response in Society 5.0 Critical Systems (Azerbaijan)
11. *Najaf Mammadzada, Oghuz Mammadov*. Enhancement of Adaptive Digital Forensics and Cyber Incident Response Mechanisms in Critical Infrastructure Facilities (Azerbaijan)
12. *Zhao Xue*. Pathways to Enhance the Resilience of Azerbaijan's Oil and Gas Supply Chain from the Perspective of East-West Transport Corridors (Azerbaijan)

Section 2

Institute of Mathematics

18 May (Monday)

Conference room
(2nd floor, #220)

12:00 –13:00

Moderator – *Aziz Talibov*

1. *Nubar Guliyeva, Gusniyya Gashimova, Humay Guliyeva.* Intelligent Control of Transit Cargo Flows in the Baku Logistics Hub of the East–West Transport Corridor (Azerbaijan)
2. *Ilgar Safarli, Sevinj Hadiyeva, Ilaha Safarli.* Mathematical Modeling of Transportation Problems Related to Freight Movements (Azerbaijan)
3. *Ababil Nagiyeva, Sakit Verdiyev, Kenan Abdullayev.* Spatial Domain Image Steganography Methods for Secure Information Exchange in Digital Transport and Logistics Systems: A Survey and Comparative Analysis (Azerbaijan)
4. *Elshan Hashimov, Aziz Talibov, Bayram Ibrahimov, Islam Islamov, Ramil Akhundov, Kostiantyn Dergachov.* Optimal Location of Logistics Centers in Azerbaijan Using a Hybrid Network-Based Multi-Criteria Approach (Azerbaijan, Ukraine)

13:00 – 14:30

Lunch Break

14:30 – 15:30

18 May (Monday)

Moderator – *Fahrat Pashayev*

5. *Gunel Zeynalova, Aziz Talibov*. Economic-Mathematical Modeling of Military Logistics Center (MLC) Location Under Troop Redeployment (Azerbaijan)
6. *Fuad Dashdamirov, Turan Verdiyev, Ulvi Javad, Royal Allahverdiyev, Mammad Mammadov*. Creation of a Digital Twin of the Transportation Network of Provincial Cities: The Case of Azerbaijan (Azerbaijan)
7. *Malik Guliyev*. Adaptive Urban Planning of Coastal Territories Under Caspian Sea Fluctuations: Physarum-Inspired Logistics Zonation of the Port of Baku (Azerbaijan)
8. *Ali Aliyev, Vagif Hasanov*. Limitations of Dynamic Positioning Systems. A Safety-Critical Perspective for Maritime Navigation (Azerbaijan)

15:30 – 15:50

Coffee Break

15:50 – 16:50

Moderator – *Fahrat Pashayev*

9. *Yasaman Abbaszada*. Mathematical Modeling and Intelligent Airspace Optimization in the Middle Corridor: The Case of Azerbaijan (Azerbaijan)
10. *Heybatulla Ahmedov, Bala Aga Karimov, Natavan Gojayeva*. Digital Multimodal Transport by Rail in Azerbaijan's Logistics System: The Strategic Significance of the Middle Corridor (Azerbaijan)

18 May (Monday)

11. *Orkhan Hasanli, Heybatulla Ahmadov*. The Use of a Method for Selecting the Right Outsourcing Providers in the Logistics Strategies of Enterprises (Azerbaijan)
12. *Heybatulla Ahmadov, Aytaj Mustafayeva*. Hybrid Simulation and AI-Based Adaptive Traffic Management in Corridors (Azerbaijan)

Section 3

Institute of Mathematics
Round table room
(3rd floor)

12:00 –13:00

Moderator – *Tahir Alizada*

1. *Tahir Alizada, Ulviyya Mammadova, Elkhan Sabziev, Ramil Akhundov, Ana Mammadova, Elvin Rustamov*. Conceptual Foundations of an Intelligent Acoustic Diagnostic System for Defect Detection in Railway Axlebox Bearings (Azerbaijan)
2. *Vladimir Toporovsky, Ilya Galaktionov, Oleg Kolesnikov*. Methodology for the Optimization of Piezoelectric Wavefront Correctors in Free-Space Optical Communication (Russia)
3. *Ilya Galaktionov, Vladimir Toporovsky*. *Comparison of Mie and Henyey-Greenstein Phase Functions for the Aerosol Analysis in Free Space Optics Communications (Russia)*
4. *Aliya Imangazieva*. Robust Decentralized Multi-Channel Control System with Time Dela (Russia)

13:00 – 14:30

Lunch Break

14:30 – 15:30

Moderator – *Aygun Aliyeva*

5. *Petro Stetsyuk, Viktor Stovba, Olha Khomiak*. On the Uniqueness of the Solution in a Linear Two-Stage Transportation Problem (Ukraine)
6. *Artem Kipin, Akylai Zhumabekova*. Deep Learning Model Compression and Optimization for Real-Time Edge Computing in IoT Environments (Kyrgyzstan)
7. *Balnur Kubanychova, Samat Osmonov, Al Khan*. AI-Enhanced Pedestrian Infrastructure Analysis Using Open Data and Multi-Criteria Methods (Kyrgyzstan)
8. *Zhazira Shermantayeva, Orken Mamyrbayev, Madihan Muhamadyar*. IoT-Enabled Intelligent Monitoring and Management System Using AI for Integration of Various Renewable Energy Sources in Local Electric Power Systems of Kazakhstan (Kazakhstan)

15:30 – 15:50

Coffee Break

15:50 – 16:50

Moderator – *Aygun Aliyeva*

9. *Mustafa Eminov, Rana Amirova, Gunel Babanli*. Transition from Digital Logic to Artificial Intelligence and Fuzzy Logic Models in Logistics Decision Systems (Azerbaijan)

18 May (Monday)

10. *Sayyad Agayev, Murad Yusifov, Konul Aghayeva, Aygun Aliyeva*. Digital Transformation and Economic Determinants of Freight Transport: An Econometric Analysis of the Logistics System in Azerbaijan (Azerbaijan)
11. *Timur Ismailov*. Houpu: Development Prospects and a Look into the Future of Green Energy in Azerbaijan (Russia)
12. *Konul Aliyeva, Arzu Mammadova*. On a Numerical Method for Solving Some Optimization Problems in Transport Logistics (Azerbaijan)

19 May (Tuesday)

Section 1

Institute of Mathematics,
Assembly Hall (1st floor)

10:00 – 11:30

Moderator – *Grzegorz Wojnar*

1. *Nahid Jafari, Bruno G. Kamdem.* A Differential Game of Profit-Sharing in Multinational Transport Corridors: Strategic Interactions between Governments and Transportation Firms (USA)
2. *Grzegorz Wojnar, Michal Juzek.* An Attempt to Reduce the Peak-To-Peak Value of the Toothed Gear Vibration by Using a Flexible Mounting of The Rolling Bearings of the Gear Shafts (Poland)
3. *Jakub Donski-Lesiuk.* A Logistics Approach to the Effective Use of the Trans-Caspian International Transport Route: A Perspective from Poland (Poland)
4. *T. Natriashvili, M. Chelidze, B. Gitolendia, V. Zviadauri.* Problems of Urban Environmental Pollution Caused by Transport Noise and Ways to Solve Them (Georgia)
5. *Saida Beknazarova, Dilnoza Yunusova, Ozoda Abdullayeva.* Procedural Texture Synthesis in 3D Reconstruction of Historical Objects and Virtual Environments (Uzbekistan)
6. *Tofiq Babayev, Valery Virkovski, Khalida Melikova.* Trade and Transport Corridors Digitalization Policies and Activities in the CAREC Region (Azerbaijan)

11:30 – 11:50

Coffee Break

11:50 – 13:00

Moderator – *Revaz Kavtaradze*

7. *Revaz Kavtaradze, Giorgi Chilashvili, Revaz Giorganishvili, Jemal Javakhishvili, Paata Dolidze.* Development of the Automotive Version of an Atomic Hydrogen Generator for Reducing Nitrogen Oxides in Internal Combustion Engine Exhaust Gases (Georgia)
8. *George Tumanishvili, Giorgi Tumanishvili, Giorgi Japaridze, Merab Kakhiani.* Some Technical Problems of the Railway Transport and Proposed Ways of their Solution (Georgia)
9. *Saule Bekzhanova, Daliga Tashmaganbetova.* Digital Technologies and Education in Logistics in Kazakhstan: Pathways to Increasing Competitiveness and Technological Readiness (Kazakhstan)
10. *Tatiana Dudnik, Aleksander Stadkowski.* The Growth of Economic Integration Driven by the Development of the Middle Corridor (Poland)
11. *Tamaz Natriashvili, Revaz Kavtaradze, Lana Shamanauri, Giorgi Chilashvili, Vazha Chagelishvili.* Minimization of Nitrogen Oxides in Automotive Internal Combustion Engine Exhaust Emissions (Georgia)

13:00 – 14:30

Lunch Break

14:30 – 15:30

19 May (Tuesday)

Moderator – *Bayram Ibrahimov*

12. *Mir Ramin Yunusov*. Assessment of Natural Disaster Risks in Transport Networks: Mathematical Analysis and Simulation of Deep Learning Models (Azerbaijan)
13. *Jamila Asadova, Ali Talibov*. Comparative Evaluation and Adaptation of Deep Learning Algorithms for Azerbaijani Vehicle License Plate Recognition (Azerbaijan)
14. *Bayram Ibrahimov, Almaz Aliyeva, Ulvi Rafizade*. Research Control Systems for the State Multiservice Telecommunication Networks Based on the Concept Logistics Systems (Azerbaijan)
15. *Ulvi Rafizade, Irada Imanova, Khagan Mammadli*. Computer Vision in Laparoscopic Surgery: Integration of Engineering Architecture and Clinical Decision-Making (Azerbaijan)

15:30 – 15:50

Coffee Break

Section 2

Conference room
(2nd floor, #220)

10:00 – 11:30

Moderator – *Naila Musaeva*

1. *Naila Musaeva, Telman Aliev*. Technologies for Determining the Most Vulnerable Elements of a Bridge Structure (Azerbaijan)

19 May (Tuesday)

2. *K.N Shirinzade*. Opportunities and the Potential of Azerbaijan's Logistics Infrastructure in the "Silk Road" Project (Azerbaijan)
3. *Ibrahim Hasanli*. Transforming the Trans-Caspian Middle Corridor Transport Network: The Structural Role of the Zangezur Corridor (Azerbaijan)
4. *Esmira Mehbaliyeva*. Modeling of Heterogeneous Server Systems of a Smart City in an Uncertain Environment (Azerbaijan)
5. *Zahid Mamedov, Rasim Rasulov, Farida Agayeva, Eldar Asadov*. Agile Design Tool Architecture and Its Application in Logistics Systems (Azerbaijan, Russian)
6. *Ulvi Mammadzada*. Macroeconomic Forecasting in Oil-Dependent Transit Economies of the East-West Transport Corridor: A Comparative Econometric and Machine Learning Approach (Azerbaijan)

11:30 – 11:50

Coffee Break

11:50 – 13:00

Moderator – *Bakhtiyar Namazov*

1. *Yagub Piriyeu, Bakhtiyar Namazov*. Analysis of Traffic-Induced Noise Pollution in Baku: Evaluation of Mitigation Strategies and Urban Acoustic Mapping (Azerbaijan)
2. *Bakhtiyar Namazov, Tofiq Babayev, Nofal Nabiyev*. Optimization of Cold Chain Logistics for Perishable Agricultural Exports: A Case Study of The Azerbaijan-Russia Trade Corridor (Azerbaijan)

19 May (Tuesday)

3. *Ashraf Balametov, Tarana Isayeva, Eldar Balametov.* Optimization of The Power System Mode for Active Power by the Hopfield Neural Network Method (Azerbaijan)
4. *Shafa Aliyev.* Assessment of the Efficiency of the Transport and Logistics System in Azerbaijan in the Context of Global Corridors (Azerbaijan)
5. *V.T Mammadova.* Multi-Criteria Modeling and Optimization of Multi-modal Logistics in East-West Corridor (Azerbaijan)

13:00 – 14:30

Lunch Break

14:30 – 15:30

Moderator – *Yusif Gasimov*

1. *Yusif Gasimov, Latifa Agamaliyeva.* Mathematical Modeling and Analysis of Freight Transport in the Middle Corridor (Azerbaijan)
2. *Gunay Valiyeva.* Behavioral Biases in Circular Economy-Integrated Supply Chain Design: A Dual-Layer Framework for Reverse Logistics Optimization (Azerbaijan)
3. *Ulvu Novruzov, Rena Sultanova.* Innovation Ecosystems in Logistics: The Strategic Role of Higher Education in Digital Transformation (Azerbaijan)
4. *Gulbes Rustamova, Almas Hamidova.* The Role of Customs Tariff Mechanisms and Logistics Infrastructure in the Efficient Use of Export Potential (Azerbaijan)

15:30 – 15:50

Coffee Break

15:50 – 16:50

Moderator – *Gulchin Abdullayeva*

5. *Aytan Jafarova*. Digitalization of Transport & Logistics Sector: Enhancing Tourist Mobility and Destination Competitiveness in Azerbaijan (Azerbaijan)
6. *Khayala Ibrahimova, Sabina Naghiyeva, Afsana Gulieva*. Cybersecurity Challenges in Digital Logistics Systems of the East-West Transport Corridor (Azerbaijan)
7. *Sh.S. Huseynzade, E.A. Nasirova, G.Y. Abbasova*. The Role of Intelligent Transportation Systems in the Development of Transportation Safety (Azerbaijan)
8. *Bakhtiyar Namazov, Tofiq Babayev*. Analysis of the Risks of Damage to Perishable Goods During Transportation from Azerbaijan to Russia (Azerbaijan)

Section 3

Round table room
(3rd floor)

10:00 – 11:30

Moderator – *Adalat Pashayev*

1. *Dmytro Krytskyi, Alina Artemova, Elvira Kaidan, Artem Chekhovskoi*. Review of Methods for Recognizing Small and Camouflaged Objects Under Various Shooting Conditions (Ukraine)

19 May (Tuesday)

2. *Aleksandr Adadurov, Aleksandr Ivanov.* Cascade Mathematical Model of Damage Accumulation in Freight Wagon Running Gear Under Multiple Wheel Flats (Russia)
3. *Zhibek Primova, Gulzat Muktarkanova, Al Khan.* A Hybrid Risk-Weighted Blockchain Framework for Supply Chain Integrity and Automated Tariff Collection (Kyrgyzstan)
4. *Ahmet Talha Bektaş, Chingiz Hajiyeu.* Adaptive Iterative Least Squares Estimation for GPS-Based Navigation of Small Satellites Under Variable Visibility Conditions (Türkiye)
5. *Velizara Pencheva, Asen Asenov, Aleksandar Georgiev, Kremena Mineva.* Life Cycle Environmental Assessment of Battery Electric Buses in Medium-Sized European Cities (Bulgaria)
6. *Namig Heydarov, Orkhan Ahmadzadeh, Arif Hasanov, Adalat Pashayev.* Scientific Foundations of a Video-Camera and Artificial-Intelligence-Based Proactive Hazard Detection System for Railways (Azerbaijan)

11:30 – 11:50

Coffee Break

11:50 – 13:00

Moderator – *Nahid Jafari*

7. *Rustam Khalilev, Merey Yeraly.* The architecture and operational mechanisms of a Unified Integration Platform for a Digital Transport Corridor in the context of Autonomous Freight Vehicles (Azerbaijan)

19 May (Tuesday)

8. *Akan Guven, Chingiz Hajiyeu*. Robust Controller for B-747 Aircraft Fault-Tolerant Flight Control System (Türkiye)
9. *Malika Baizakova, Kadyralieva Nuraiym, Al Khan*. Deep Reinforcement Learning for Adaptive Speech Intervention Sequencing in Children with Autism Spectrum Disorder (Kyrgyzstan)
10. *Olga Kosheleva, Shahnaz Shahbazova, Sevil Huseynova, Rehim Iskenderov*. Data Privacy in the Age of Big Data: Opportunities and Challenges (USA, Azerbaijan)
11. *B.N. Makhutov, Yu.P. Shevelev, R.E. Mamedli*. Protection of Electronic Textbooks and Knowledge Control Systems in Distance Learning: Analysis of Approaches and Concept of the "Symbol-Kom" Software-Hardware Solution (Russia)

13:00 – 14:30

Lunch Break

14:30 – 15:30

Moderator – *Ilgar Mammadov*

1. *Amantay Daryn, Gulmira Mukhanova, Tolebay Tokzhan*. Transformation of EAEU transport corridors under pressure from sanctions (Kazakhstan)
2. *Melih Eşiyok, Okan Uluturk, Berke Bekar, Israfil Isakhli, Efendi Nasiboglu*. Detection of the Braess Paradox in Signalized Road Networks via Traffic Flow Simulation (Türkiye)
3. *Zakir Rustamov, Narmin Rustamova*. “Silk Way” – Maritime Logistics (Azerbaijan)

19 May (Tuesday)

4. *Valeh Mustafayev, Konul Allahverdiyeva, Sabina Gurbanova.* A Network-Based Model of Transport Vehicle Movement in Petroleum Product Logistics (Azerbaijan)

15:30 – 15:50

Coffee Break

15:50 – 16:50

Moderator – *Shahnaz Shahbazova*

5. *Hasan Huseynov, Shahnaz Shahbazova, Amir Mosavi.* Uncertainty-Aware Fuzzy Neural Networks for Explainable Risk Scoring in Real-Time Payment Transactions (Azerbaijan, Hungary)
6. *Altun Balayev, Shahnaz Shahbazova.* AI-Generated Media Identification via Neuro-Symbolic Learning and Fuzzy Reasoning: A Conceptual Approach for Cross-Modal Detection (Azerbaijan, Hungary)
7. *Shahnaz Shahbazova, Amir Mosavi, Kalbiyeva Solmaz, Sevinc Feyzullayeva.* Big Data in Healthcare: Privacy and Security Issues (Azerbaijan, Hungary)
8. *Jumber Iosebidze, Giorgi Abramishvili.* Technogenic Negative Ecological Effect and Energy (Georgia)

20 May (Wednesday)

07:00 – 12:00	Trip to Ganja city
12:00 – 13:00	Hotel check-in
13:00 – 14:00	Lunch break

14:00 – 15:00

**Opening Ceremony of
Ganja Section and
Plenary Session**

Azerbaijan Technological
University, Ganja

- Opening speech - Rector of Azerbaijan University of Technology Yashar Omarov
- Report - Director of the Institute of Mathematics Elkhan Sabziyev
- Report – Silesian University of Technology, Editor-in-Chief of the Int. Sci. Journal "Transport Problems" Aleksander Sladkowski
- *Shahin Guliyev*. Development of the transcaspian international transport route “East-West” in the context of the strategic partnership between Azerbaijan and Kazakhstan

15:00 – 15:30

Tea Break

15:30 – 17:00

Section “Ganja”
Azerbaijan Technological
University, Ganja

Moderator – *Ilaha Gurbanova*

20 May (Wednesday)


1. *Shakir Aliyev, Qazanfarli Nijat*. Transformation of the East-West Corridor: opportunities of technological progress for human well-being
2. *Farhad Mirzayev*. Application of artificial intelligence in freight transportation: world experience and prospects for Azerbaijan
3. *Matanat Akhmedova, Galiba Mammadova, Xayale Mammadova*. Strategic planning and logistics coordination in the management of technoparks
4. *Gunel Novruzova*. Architecture and applications of artificial intelligence systems in logistics
5. *Aygun Jafarova*. Ways to optimize logistics services in tourism
6. *Konul Rasim Gasanova*. Logistics in the Metallurgical Industry
7. *Hajar Huseynzade*. Analysis of the state and development prospects of digitalization of railway transport in Azerbaijan
8. *Afet Asgerova*. Application of innovative technical and technological solutions in various types of transport

17:00 – 17:40

Closing ceremony

21 May (Thursday)

08:00 – 11:00	Trip to Sheki and Qabala
11:00 – 14:00	Tours and cultural activities
14:00 – 15:00	Lunch break
15:00 – 18:00	Round Table: Discussion of Scientific Results and International Cooperation
18:00 – 23:00	Trip to Baku

All questions you can address to
Institute of Mathematics (room # 219),
68 B.Vahabzadeh Street, Baku AZ1141, Azerbaijan
 (+994 12) 539 13 68, (+994 50) 212 59 13
plmo.conf@gmail.com
<https://plmo.cyber.az>

Site:
plmo.cyber.az

Mail:
plmo.conf@gmail.com

Date:
May 18-21, 2026
