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Problems of Logistics, Management and Operation in the East-West Transport Corridor


4th International Conference, PLMO 2025
Baku, Azerbaijan, May 13–15, 2025
Proceedings

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Preface

These conference proceedings are a collection of the best papers accepted by the 4th International Conference on Problems of Logistics, Management and Operation in the East-West Transport Corridor, PLMO 2025, held in Baku, Azerbaijan, on May 13–15, 2025.

The conference was organized by the Institute of Control Systems, ICS, of the Ministry of Science and Education of the Republic of Azerbaijan, Silesian University of Technology of Poland, Guangzhou University of China, the Technical University of Georgia, Tashkent State Transport University of Uzbekistan, and Azerbaijan Technological University. The conference, which covered a wide geographical area, was attended by representatives of the Azerbaijani scientific community, as well as scientists from 12 foreign countries.

The East-West Transport Corridor is an integral part of the ancient Silk Road and an initiative that requires the development of new mechanisms for regional economic partnership. It stimulates economic prosperity, cultural exchange, and communication between the member countries. Moreover, it serves as a tool to promote peace and create sustainable development.

Being an integral part of the “One Belt One Road” concept, the East-West Corridor is aimed at improving trade routes, transport, and economic corridors and creating new trade routes. The East-West Corridor is also considered to be the shortest trade route that connects Europe and China.

The main goal of PLMO 2025 was to bring together researchers and relevant representatives from the public and private sectors, universities, and international organizations to discuss scientific and practical issues such as problems in the transportation of goods through different transportation methods. Taking into consideration the achievements of 4th Industrial Revolution, the introduction of digital technologies and digital economy could tackle the problem.

115 participants, including presenters registered to attend the conference. In total 57 papers were submitted. The papers were submitted and reviewed through the EasyABS system. All the papers were single-blind peer reviewed by leading transport and information technology experts, with submissions receiving three reviews on average. The reviewers evaluated the compliance of research papers with the conference topic, their scientific novelty, and practical value. Out of 57 papers submitted to the conference, 56 were included in the conference program. Presentations were made in a hybrid format: on-line and in person, in 4 sections in Baku and in an off-site session at Azerbaijan Technological University in Ganja. The opening ceremony of the conference was dedicated to the 90th anniversary of the birth of Academician Telman Aliyev, Advisor to Azerbaijan National Academy of Sciences, Senior Researcher of the Institute of Control Systems, who headed the Institute of Control Systems for 32 years.

Fifteen papers evaluated by the reviewers as the best of the presented papers and approved by the Program Committee were selected to be included in these Conference Proceedings.

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