

Dear colleagues!

We would like to invite you to take part of **17th** International scientific and practical conference of students and young scientists named after H. M. Kirpa "**Modern transport technologies**", which will take place in Lviv **December 04, 2025.**

During the conference, participants will present and discuss new theoretical and experimental research findings, as well as address current issues in the development of science and technology within the following areas:

1. Functionality of railway transport.
2. European integration of railway transport.
3. Crisis and risk management in transport services.
4. Modern transport technologies and logistics.
5. Transport engineering.
6. Environmental safety and occupational health.

Working languages: *Ukrainian* and *English*

Conference format: hybrid – *in-person and online* (via the **ZOOM platform**)

All conference participants will receive a **personalized professional development certificate** equivalent to **0.2 ECTS credits (6 hours).**

Participation in the conference is free of charge.

Additional information about the conference is available on the website of Lviv Polytechnic National University.

Official address:

DEPARTMENT OF RAILWAY TRANSPORT

Lviv Polytechnic National University

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Contact numbers:

(+38) 097 907 5072 – *Mykola Babyak*

(+38) 097 479 0050 – *Ivan Kravets*

Scientific Committee of the Conference

The head of the Program committee:

Vitaly KOVALCHUK – Doctor of Technical Sciences, Professor, Professor at the Department of Railway Transport, Lviv Polytechnic National University, Ukraine.

Members of the Program committee:

Yeritsyan BAGISH, PhD in Technical Sciences, Associate Professor, Associate Professor at the Department of Electric Transport and Diesel Locomotive Engineering, National Technical University “Kharkiv Polytechnic Institute,” Ukraine (*by consent*).

Olena BAL, PhD in Technical Sciences, Associate Professor, Head of the Department of Railway Transport, Lviv Polytechnic National University, Ukraine.

Dmytro BOBYR, PhD in Technical Sciences, Associate Professor, Associate Professor at the Department of Rolling Stock Operation and Management, Ukrainian State University of Science and Technology, Ukraine (*by consent*).

Yaroslav BOLZHELARSKYI, PhD in Technical Sciences, Associate Professor, Associate Professor at the Department of Railway Transport, Lviv Polytechnic National University, Ukraine.

Iryna BONDARENKO, Doctor of Technical Sciences, Associate Professor, Professor at the Department of Railway Transport, Lviv Polytechnic National University, Ukraine.

Ivan VARHOLIAK, Deputy Head of the Technical Service, Regional Branch “Lviv Railway,” Ukraine (*by consent*).

Oksana VOZNIUK, PhD in Pedagogical Sciences, Associate Professor, Professor at the Department of Military History, Hetman Petro Sahaidachnyi National Army Academy, Ukraine (*by consent*).

Oleh VOZNIAK, PhD in Technical Sciences, Associate Professor, Associate Professor at the Department of Transport Technologies, Lviv Polytechnic National University, Ukraine.

Pavlo VOSKOBOINYK, General Director, PJSC “Lviv Locomotive Repair Plant,” Ukraine (*by consent*).

Yuliia HERMANIUK, PhD in Technical Sciences, Associate Professor, Associate Professor at the Department of Transport Technologies, Lviv Polytechnic National University, Ukraine.

Piotr GOŁĘBIOWSKI, PhD (Eng.), Department of Transport Systems Engineering and Logistics, Warsaw University of Technology, Poland (*by consent*).

Oleksandr HOROBCHENKO, Doctor of Technical Sciences, Professor, Deputy Director of the Kyiv Institute of

Railway Transport, National Transport University, Ukraine (*by consent*).

Ivan HRUNYK, PhD in Technical Sciences, Director of the Lviv Professional College of Transport Infrastructure, Lviv Polytechnic National University, Ukraine.

Volodymyr DYMYTRIUK, PhD in Historical Sciences, Director of the Chernivtsi Professional Transport College, Ukraine (*by consent*).

Roman KACHMAR, PhD in Technical Sciences, Associate Professor, Director of the Institute of Mechanical Engineering and Transport, Lviv Polytechnic National University, Ukraine.

Andrii KYRYKOVYCH, Director of *Amadeus-Marine* Company, Ukraine (*by consent*).

Mykola KUZIN, Doctor of Technical Sciences, Professor, Professor at the Department of Computational Mathematics and Programming, Lviv Polytechnic National University, Ukraine.

Ihor MARTYNOV, Doctor of Technical Sciences, Professor, Head of the Department of Wagon Engineering and Product Quality, Ukrainian State University of Railway Transport, Ukraine (*by consent*).

Olena PINCHUK, PhD in Economics, Director of *R&D Company “UKRTRANSKAD”*, Ukraine (*by consent*).

Lukasz RYMANIAK, Dr. Hab. Eng., Professor at the Department of Internal Combustion Engines, Poznan University of Technology, Poland (*by consent*).

Serhii ROI, Director of *Mykolaiv Locomotive Repair Plant LLC*, Ukraine (*by consent*).

Mykola SYSYN, Dr.-Ing., Division of Track Superstructure and Railway Track Technology, Technical University of Dresden, Germany (*by consent*).

Volodymyr TVERDOMED, PhD in Technical Sciences, Associate Professor, Acting Director of the Educational and Research Kyiv Institute of Railway Transport, National Transport University, Ukraine (*by consent*).

Anatolii FALENDYSH, Doctor of Technical Sciences, Professor, Professor at the Department of Railway Transport, Lviv Polytechnic National University, Ukraine.

Viačeslav PETRENKO, Lecturer, Department of Mobile Machinery and Railway Transport, Faculty of Transport Engineering, Vilnius Gediminas Technical University, Lithuania (*by consent*).

Natalia SZYMLET, PhD (Eng.), Institute of Powertrains and Aviation, Poznan University of Technology, Poland (*by consent*).

Publication of Conference Materials

The conference proceedings will be published after the event. Abstracts of papers (1–2 pages in length), prepared in Microsoft Word, must be submitted in electronic form (via USB flash drive or e-mail).

Manuscripts should be formatted on A4 paper with the following margins: left – 22.5 mm, right – 22.5 mm, top – 20 mm, bottom – 30 mm. Font: Times New Roman, 12 pt; single line spacing (12 pt); include an abstract in English.

Formatting requirements:

- Title – bold, 12 pt, centered, written in uppercase and lowercase letters.
- One line below – author's name(s) and initials, centered.
- Next line – scientific supervisor (if applicable).
- Next line – affiliation (organization name).
- One line below – main text of the abstract, justified alignment. The final, edited text must be signed by the authors and submitted as a PDF file.

The electronic version of the materials should be sent to: young-scientists.conf.rail@lpnu.ua

The application for participation and the abstracts, formatted according to these requirements, **must be submitted to the Organizing Committee no later than November 28, 2025.**

Please confirm receipt of your materials and application with the Organizing Committee.

Note: The Organizing Committee reserves the right to reject papers that do not comply with the conference requirements. Authors will be notified of the reason for rejection. Submitted materials are not peer-reviewed and will not be returned.

Event Program – December 4, 2025, Lviv

9 ³⁰ -10 ⁰⁰	Registration
10 ⁰⁰ -10 ³⁰	Opening
10 ³⁰ -12 ²⁰	Work in sections
12 ³⁰ -13 ⁰⁰	Break
13 ⁰⁰ -15 ⁰⁰	Work in sections
15 ³⁰ -17 ³⁰	Summarizing the results of the conference

Conference organizing committee

Head of the Program Committee:

Mykola BABYAK, PhD in Technical Sciences, Associate Professor, Department of Railway Transport, Lviv Polytechnic National University, Ukraine

Members of the Organizing Committee:

Anatolii PALIUKH, President of the Public Organization “Heorhii Mykolaiovych Kirpa Foundation”, Ukraine

Nazar KOSTIV, Student, Group ZTBT-12, Lviv Polytechnic National University, Ukraine;

Ivan KRAVETS, PhD in Technical Sciences, Associate Professor, Department of Railway Transport, Lviv Polytechnic National University, Ukraine;

Andrii KUZYSHYN, PhD in Technical Sciences, Associate Professor, Deputy Director of the Institute of Mechanical Engineering and Transport, Lviv Polytechnic National University, Ukraine;

Vadym SAVCHUK, Student, Group LG-31sp, Lviv Polytechnic National University, Ukraine;

Yuliia SOBOLEVSKA, PhD in Technical Sciences, Associate Professor, Department of Railway Transport, Lviv Polytechnic National University, Ukraine;

Yuriy TERESHCHAK, PhD in Technical Sciences, Associate Professor, Department of Railway Transport, Lviv Polytechnic National University, Ukraine.

Educational Programs at Lviv Polytechnic National University

“Functionality of Railway Transport”

Training of highly qualified specialists in railway transport at the first (**bachelor's**) level of higher education

Field of study: J “Transport and Services”

Specialty: J7 Railway Transport



“Functional Safety of Railway Transport”

Training of highly qualified specialists in railway transport at the second (**master's**) level of higher education

Field of study: J “Transport and Services”

Specialty: J7 Railway Transport



Lviv Polytechnic National University

INSTITUTE OF MECHANICAL ENGINEERING AND TRANSPORT

DEPARTMENT OF RAILWAY TRANSPORT



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PARTNERS



Lviv, Ukraine, 2025