

Dear colleagues!

We would like to invite you to take part of 16th International scientific and practical conference of students and young scientists named after H. M. Kirpa "Modern transport technologies", which will take place in Lviv
November 21, 2024 p.

Conference program involves work in the following areas:

1. Transport technologies and logistics of the transportation process.
2. Transport engineering.
3. Economic and humanitarian problems of railway transport.

At the conference, new results of theoretical and experimental research will be heard and discussed, as well as topical issues of the development of science and technology in the indicated directions will be considered.

Working languages of the conference:
Ukrainian and English

Additional information about the conference can be found on the website of Lviv Polytechnic University:
<https://science.lpnu.ua/mtt-2023>

Conducting the conference - Online (using the ZOOM platform):

Official address: Department of Railway Transport of Lviv Polytechnic National University:
I. Blazhkevich St., 12a, Lviv, 79052, Ukraine
E-mail: zt.dept@lpnu.ua
Phone: (032) 267-99-74

Conference Program Committee

The head of the Program committee:

Vitaly KOVALCHUK – D.E.S., Professor, Professor of the Department of Railway Transport, Lviv Polytechnic National University, Ukraine..

Members of the Program committee:

Olena BAL - Ph.D., Associate Professor, Head of the Department of Railway Transport, Lviv Polytechnic National University, Ukraine;

Bagish YERITSIAN - Ph.D., associate professor, associate professor of the Department of "Electric Transport and Thermal Locomotive Construction", National Technical University "Kharkiv Polytechnic Institute", Ukraine (by consent);

Yaroslav BOLZHELARSKYI - Ph.D., Associate Professor, Associate Professor of the Department of Railway Transport, Lviv Polytechnic National University, Ukraine;

Dmytro BOBYR - Ph.D., Associate Professor, Associate Professor of the Locomotives Department, Ukrainian State University of Science and Technology, Ukraine (by consent);

Iryna BONDARENKO - D.E.S., Associate Professor, Head of the Department of Railway Transport, Lviv Polytechnic National University, Ukraine;

Ivan VARKHOLYAK - head of the technology and technical regulation department of the technical service of the regional branch "Lviv Railway", Ukraine (by consent);

Oleh VOZNYAK - Ph.D., Associate Professor, Associate Professor of the Department of Transport Technologies, Lviv Polytechnic National University, Ukraine;

Oksana VOZNYUK - Ph.D., Associate Professor, Professor of the Department of Military History, employee of the Armed Forces of Ukraine, National Academy of Land Forces named after Hetman Petro Sahaidachny, Ukraine (by consent);

Volodymyr GAVRYLYUK - D.E.S., Professor, Head of the Department of Automation and Telecommunications, Ukrainian State University of Science and Technology, Ukraine (by consent);

Oleksandr GOROBCHENKO - D.E.S., Professor, Dean of the Faculty of Infrastructure and Railway Rolling Stock of the Kyiv Institute of Railway Transport of the State University of Infrastructure and Technologies, Ukraine (by consent);

Ivan HRUNYK - Ph.D., Director of the Lviv Professional College of Transport Infrastructure of the Lviv Polytechnic National University;

Oleksiy LANETS - D.E.S., Professor, Director of the Institute of Mechanical Engineering and Transport, Lviv Polytechnic National University, Ukraine;

Ihor MARTYNOV - D.E.S., Professor, head of the "Wagon engineering and product quality" department of the Ukrainian State University of Railway Transport, Ukraine (by consent);

Volodymyr TVERDOMED - Ph.D., Associate Professor, director of the Institute of Railway Transport of the State University of Infrastructure and Technologies, Ukraine (by consent);

Piotr GOŁĘBIOWSKI – Dr. Inż., Department of Transport Systems and Logistics Engineering, Warsaw Polytechnic, Poland (by consent);

Łukasz RYMANIAK, Dr Hab. Inż., Department of Internal Combustion Engines, Poznań University of Technology, Poland (by consent);

Mykola SYSYN – Ph.D., Department of Track Superstructure and Track Engineering, Dresden University of Technology, Germany (by consent).

Materials of the conference will be published after its completion.

The summaries of the 1-2 page reports, made in the WinWord editor, must be submitted in electronic form. A4 paper format with margins: left - 22.5 mm, right - 22.5 mm, top 20 mm and bottom - 30 mm, font Times New Roman 12 pt, line spacing single (12 pt) with annotation in English. Link to template.

The sequence of presentation of materials in theses: title of the report (bold font, 12 pt, type in upper and lower case letters in the center); through 1 line in the center - surname and initials of the authors, in the next line - information about the scientific supervisor; in the next line - the name of the organization; after 1 line - the text of the abstracts of the report with width alignment. At the end of the file - the title of theses and the abstract in English (in the case of submission of materials are not in English).

Participants who prepare a presentation will have the opportunity to give a speech. The speech can be given in the native language (English is welcome), but the presentation must be made in English.

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

The application for your participation in the conference and abstracts of the report, drawn up in accordance with the specified requirements, must be sent to the Organizing Committee no later than **November 7, 2024**.

Please check that the organizing committee has received your materials and application.

WARNING: The Organizing Committee reserves the right to decide on the refusal to publish reports with a justified notification of the reasons for the refusal to the authors. Submitted materials are not reviewed and are not returned.

Participation in the conference **is free!**

Tentative program of the event

21.11.2024 p., 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

The head of the Program committee:

Mykola BABYAK – Ph.D., Associate Professor, Associate Professor of the Department of Railway Transport, Lviv Polytechnic National University, Ukraine;

Members of the organizing committee:

Ivan KRAVETS – Ph.D, Associate Professor of the Department of Railway Transport, Lviv Polytechnic National University, Ukraine;

Andrii KUZYSHYN – PhD, Associate Professor of the Department of Railway Transport, Lviv Polytechnic National University, Ukraine;

Maxim ANTONIV – student of ЛІГ-41 group, Lviv Polytechnic National University, Ukraine;

Yuriy TERESHCHAK - Ph.D, Associate Professor of the Department of Railway Transport, Lviv Polytechnic National University, Ukraine;

Nazar KOSTIV – student of ЛІГ-41 group, Lviv Polytechnic National University, Ukraine;

Ruslana ROP – Ph.D., Head of Educational Laboratories of the Department of Railway Transport IMET of the National University "Lviv Polytechnic", Ukraine.;

Yuliia SOBOLEVSKA – Ph.D, Associate Professor of the Department of Railway Transport, Lviv Polytechnic National University, Ukraine.

"Functional safety railway transport" - training of specialists high level in the industry railway transport at the second (master's) level of higher education. 27 "Transport", specialty 273 "Rail transport"



"Locomotives and locomotive industry" - these are highly qualified specialists in the field of design and improvement of structures and systems of maintenance and repair of locomotives, management of the locomotive park.



"Railway constructions and track management" - this is the training of specialists in the field of design, construction and reconstruction of railway enterprises of mainline and industrial transport, management of railway infrastructure.

"Wagons and wagon economy" - this is the training of highly qualified specialists in the field of design, production, maintenance and repair of wagons, as well as management of the wagon fleet



Lviv Polytechnic National University

INSTITUTE OF MECHANICAL ENGINEERING AND TRANSPORT

DEPARTMENT OF RAILWAY TRANSPORT



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PARTNERS



Lviv, Ukraine, 2024