#### MATERIALS OF THE CONFERENCE

Accepted materials will be published in the collection of conference abstracts, which will be posted on conference website.

If desired, conference participants can submit an article in the original language for publication in the collection of scientific works of UkrSURT and scientific and technical magazine "Information and control systems in railway transport" (included in the list of professional publications of the Ministry of Education and Science of Ukraine and scient metric databases Index Copernicus, Google Scholar and others). Rules for the design of articles are given on the websites <a href="https://kart.edu.ua/unit/zbirnik-ukrsurt">https://kart.edu.ua/unit/zbirnik-ukrsurt</a> and <a href="https://kart.edu.ua/unit/zburnal-ikszht">https://kart.edu.ua/unit/zburnal-ikszht</a>

# REQUIREMENTS FOR PREPARATION OF ABSTRACTS OF REPORTS

In order to publish the conference materials on time, the participants must send to the conference secretariat by November 18, 2024 abstracts of the report up to 2 pages in format Surname.doc and Surname.pdf in one of the languages of the conference (Ukrainian, English).

Text materials are prepared and printed using text editors MS Word for Windows, text font should be 14 pt, typeface - Times New Roman, line spacing - 1, paragraph indent - 7 mm, for setting formulas use the built-in formula editor. Margins of 20 mm on all sides.

Authors are responsible for the content of abstracts of reports.

#### Thesis structure:

- 1. UDC is printed in capital letters, in bold.
- 2. The title of theses is printed in capital letters, in bold type (in the original language and in English).
- 3. Authors (academic degree, initials, surname), in bold, italic font (in the original language and in English).
- 4. The name of the organization where the author works (city), in italics (original language and English).
- 5. The text of the report or thesis.
- 6. List of references, text font  $10~\rm pt,~typeface-Times~New~Roman,$  without indentation.

In order to register for the 5th International Scientific and Technical Conference "Intelligent Transport Technologies", you need to fill out the registration form by November 18, 2024, which is available at conference website, and send it together with abstracts of the report to the address of the conference organizing committee <a href="mailto:itt@kart.edu.ua">itt@kart.edu.ua</a>.

# CALENDAR OF THE CONFERENCE

Acceptance of registration forms of participants and theses of reports	until November 18, 2024
Plenary session	November 25, 2024 at 10 a.m.
Sectional work	November 26-27, 2024
The form of the conference	remote

#### PARTNERS OF THE CONFERENCE

















TECHNISCHE UNIVERSITÄT WIEN Vienna | Austria





### FINANCIAL TERMS

Participation in the ITT2024 conference is free of charge and includes the publication of abstracts of reports in the collection of conference materials and an electronic certificate of the participant.

## CONFERENCE CONTACTS

Address:	Maidan Feuerbacha, 7, 61050, Kharkiv, Ukraine
<b>Telephones:</b>	+38 (095) 838-91-72, +38 (093) 062-02-36, +38 (099) 420-45-28, +38 (066) 812-48-89
	+38 (099) 420-45-28, +38 (066) 812-48-89
Email:	itt@kart.edu.ua
Website:	https://kart.edu.ua/novini-kafedri-uer/5-ta-
	mizhnarodna-naukovo-tehnichna-konferencija-
	intelektualni-transportni-tehnologii

## UKRAINIAN STATE UNIVERSITY OF RAILWAY TRANSPORT

MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE

ASSOCIATION OF INTERNATIONAL FORWARDERS OF UKRAINE

ASSOCIATION OF MECHANICAL ENGINEERING TECHNOLOGIES OF UKRAINE

CONSERVATOIRE NATIONAL DES ARTS ET METIERS, FRANCE

POZNAN UNIVERSITY OF TECHNOLOGY, POLAND

SCIENTIFIC INSTITUTION TRANSPORTA AKADĒMIJA (RIGA), LATVIJA

SCHOOL OF COMPUTING, ENGINEERING AND PHYSICAL SCIENCES IN GLASGOW, SCOTLAND, UK

TECHNISCHE UNIVERSITÄT WIEN: VIENNA, AUSTRIA

CASIMIR PULASKI RADOM UNIVERSITY, POLAND

UNIVERSITY OF LIFE SCIENCES IN LUBLIN, POLAND

invite you to participate in the work

of the 5th international scientific and technical conference

"INTELLIGENT TRANSPORT TECHNOLOGIES"



Kharkiv, November 25-27, 2024



### **DEAR COLLEAGUE!**

Ukrainian State University of Railway Transport, Ministry of Education and Science of Ukraine, Association of International Freight Forwarders of Ukraine, Association of Mechanical Engineering Technologists of Ukraine, Conservatoire national des arts et métiers, Poznan University of Technology, Scientific institution Transporta akademie, School of Computing, Engineering and Physical Sciences in Glasgow, Technische Universität Wien, Kazimierz Pulaski University of Technology and Humanities in Radom, University of Life Sciences in Lublin invite you to take part in the work of the 5th international scientific and technical conference "Intelligent transport technologies", which will be held online on November 25-27, 2024.

#### ORGANIZING COMMITTEE OF THE CONFERENCE

ORGANIZING COMMITTEE OF THE CONFERENCE	
Serhiy	doctor of science, professor, acting Rector of the Ukrainian
Panchenko	State University of Railway Transport (Ukraine)
(head)	
Ivan Fedorko	Head of the Traffic Management Center
(co-chairman)	JSC "Ukrzaliznytsia" (Ukraine)
Victor	Ph.D., president of the Association of International Freight
Berestenko	Forwarders of Ukraine (Ukraine)
(co-chairman)	
Serhiy	Ph.D., professor of the Institute of Super hard Materials
Klymenko	named after V.M. Bakulya of the National Academy of
(co-chairman)	Sciences of Ukraine, general director of the All-Ukrainian
	public organization Association of Technologists-Machine
	Builders of Ukraine (Ukraine)
Thierry	Professor (Professor in Mathematics / Director of the
Horsin	Mathematics and Statistics Department), Conservatoire
(co-chairman)	national des arts et métiers (France)
Franciszek	Prof., Dr. hab. inz, Poznan University of Technology
Tomaszewski	(Poland)
(co-chairman)	
Mareks	Dr.sc.ing., Head of Scientific Institution Transporta
Mezitis	Akademia (Rīga) (Latvija)
(co-chairman)	
Artur	Ph.D., Associate Professor, Vice-Rector for Scientific and
Kahramanyan	Pedagogical Work of the Ukrainian State University of
(co-chairman)	Railway Transport (Ukraine)
Tatyana Butko	Ph.D., professor, head of the Department of Operational
(co-chairman)	Work Management of the Ukrainian State University of
	Railway Transport (Ukraine)

# SCIENTIFIC COMMITTEE

# Section "Development of intelligent technologies in the management of transport systems"

Andriy	Ph.D., professor of the Department of Operational Work
Prokhorchenko	Management of the Ukrainian State University of Railway
(head)	Transport (Ukraine)
Keshav Dahal	Prof., School of Computing, Engineering and Physical
	Sciences, UWS, Glasgow, Scotland, (UK)
Markus Lagler	Univ. Asst. DiplIng. BA BSc Technische Universität
	Wien: Vienna (Austria)

X7-1	Dl. D. Durfarra of the Demonstrator of Turners
Valery	Ph.D., Professor of the Department of Transport
Samsonkin	Technologies and Management of Transportation Processes
	of the State University of Infrastructure and Technologies
	(Ukraine)
Yulia Koskina	Ph.D., professor of the department fleet operation and sea
	transport technology Odessa National Maritime University
	(Ukraine)
Vyacheslav	Ph.D., professor of the department of transport technologies
Matsyuk	and means of agriculture at the National University of
	Bioresources and Nature Management (Ukraine)
Albina	Ph.D., Associate Professor, Head of the Department of
Kuzmenko	Transport Technologies and International Logistics at the
	University of Customs and Finance (Ukraine)
Andriy	Ph.D., associate professor, head of the transport service and
Okorokov	logistics department of the Dnipro Institute of
	Infrastructure and Transport of the Ukrainian State
	University of Science and Technology (Ukraine)

## Section "Transport systems and logistics"

	Section Transport systems and logistics
Denis Lomotko	Ph.D., professor, head of the Department of Transport
(head)	Systems and Logistics of the Ukrainian State University of
	Railway Transport (Ukraine)
Tomasz	Dr. hab. engineer, Prof. UTH Rad (PhD. Eng., Associate
Perzyński	Professor), Dean of the Faculty of Transport, Electrical
	Engineering and Computer Science, Casimir Pulaski
	Radom University (Poland)
Jerzy	Dr. hab. engineer, Prof. UTH Rad (PhD. Eng., Associate
Wojciechowski	Professor), Casimir Pulaski Radom University
	(Poland)
Peter	Ph.D., professor of the department of transport systems and
Gorbachev	logistics of the Kharkiv National Automobile and Road
	University (Ukraine)
Dmytro	Ph.D., professor of the transport service and logistics
Kozachenko	department of the Ukrainian State University of Science
	and Technology (Ukraine)
Anton Kovalev	Ph.D., associate professor, head of the freight and
	commercial work management department of the Ukrainian
	State University of Railway Transport (Ukraine)
Anna	Ph.D., Associate Professor of the Department of Transport
Prymachenko	Systems and Logistics of the Ukrainian State University of
	Railway Transport (Ukraine)

### Section "Intelligent design and service in transport"

Oleksandr	doctor of science, professor, Head of the Department of
Ohar	Railway Stations and Junctions of the Ukrainian State
(head)	University of Railway Transport (Ukraine)
Mykhailo	doctor of science, professor, Head of the Department of
Babaev	Electric Power, Electrical Engineering and
	Electromechanics of the Ukrainian State University of
	Railway Transport (Ukraine)
Mykola Moroz	Ph.D., professor, head of the department of transport
	technologies Kremenchug National University named after
	Mykhailo Ostrogradskyi (Ukraine)
Volodymyr	Ph.D., professor, head of the Department of Operation and
Puzyr	Repair of Rolling Stock of the Ukrainian State University
	of Railway Transport (Ukraine)
Oleksandr	Ph.D., professor of the Department of Operation and Repair
Ustenko	of Rolling Stock of the Ukrainian State University of
	Railway Transport (Ukraine)

Viktor	Ph.D., professor, head of the department of management of
Myronenko	commercial activity of railways of the State University of
	Infrastructure and Technologies (Ukraine)
Svetlana	Ph.D., professor of the Department of Wagons and Wagon
Sapronova	Management of the State University of Infrastructure and
	Technologies (Ukraine)
Yuri Datsun	Ph.D., Associate Professor of the Department of Operation
	and Repair of Rolling Stock of the Ukrainian State
	University of Railway Transport (Ukraine)
Maxim	Ph.D., Associate Professor of the Department of Railway
Kutsenko	Stations and Junctions, Dean of the Faculty of
	Transportation Process Management of the Ukrainian State
	University of Railway Transport (Ukraine)

# Section "Functional materials and technologies in the manufacture and restoration of transport parts"

Larisa	Ph.D., professor of the Department of Wagon Engineering
Timofeeva	and Product Quality of the Ukrainian State University of
(head)	Railway Transport (Ukraine)
Vitaly	Ph.D., professor, vice-rector for scientific work of the State
Vlasovets	University of Biotechnology (Ukraine)
Diana	Ph.D., professor, head of the department of metal
Hlushkova	technology and materials science of the Kharkiv National
	Automobile and Road University (Ukraine)
Zbigniew	Dr. hab. engineer, prof. university, University of Life
Krzysiak	Sciences in Lublin (Poland)
Miroslaw	Prof. (PhD), Casimir Pulaski Radom University
Rucki	(Poland)
Tatyana Roik	Ph.D., professor of the department of technology of
	printing production of the National Technical University
	"Kyiv Polytechnic Institute named after Igor Sikorsky"
	(Ukraine)
Vitaly	Ph.D., Professor of the Welding Department of the
Dmytryk	National Technical University "Kharkiv Polytechnic
	Institute" (Ukraine)
Edwin	Ph.D., professor of the Department of Wagon Engineering
Gevorkian	and Product Quality of the Ukrainian State University of
	Railway Transport (Ukraine)
Maryna	Ph.D., leading researcher of the Institute of Super hard
Kopeykina	Materials named after V.M. Bakulya of the National
	Academy of Sciences of Ukraine (Ukraine)

#### **Conference Secretariat**

Tatyana	Ph.D., associate professor of the Department of Operational
Golovko	Work Management of the Ukrainian State University of
	Railway Transport (Ukraine)
Denis	Ph.D., associate professor of the Department of Operational
Konstantinov	Work Management of the Ukrainian State University of
	Railway Transport (Ukraine)
Viktor	Ph.D., associate professor of the Department of Operational
Prokhorov	Work Management of the Ukrainian State University of
	Railway Transport (Ukraine)
Olga Shapatina	Ph.D., Associate Professor of the Department of Cargo and
	Commercial Work Management of the Ukrainian State
	University of Railway Transport (Ukraine)