

## Dear colleagues!

We invite you to participate in the XVIII International scientific-practical conference "Modern information and communication technologies in transport, industry and education", that will be held in the Ukrainian State University of Science and Technology (USUST) on **12 – 13 December 2024** (Dnipro, Ukraine)

The conference is dedicated to the memory of Vladyslav SKALOZUB, Doctor of Technical Sciences, Professor of the Department of Computer Information Technologies (USUCT, Dnipro).

**The conference program** includes the following sections:

- 1) automated control systems for technological processes in industry and transport;
- 2) intelligent information and telecommunication technologies of industrial and transport systems;
- 3) information technology and digitalization in education;
- 4) information and cyber security.

The conference's aim is to bring together scientists, instructors, postgraduates, students and industry representatives to bring the scientific researches' results to the public; exchange scientific and practical experience; consider problems of the functioning and development prospects of the information technologies of transport, industry and education; activate research work; search gifted young people.

### The working languages of the conference:

Ukrainian, English

### The timing of the conference

- 12 December 10.00 – 12.30 – the plenary session  
12 December 13.00 – 17.00 – the work by the sections  
13 December 9.00 – 17.00 – the work by the sections

The conference will be held online, links will be provided to participants by e-mail, and will be posted on the university website.

## The scientific committee

### Chairman

Kostyantyn SUKHYY – Sc.D, prof., rector a.i. of USUST

### Vice-chairmans:

Yuriy PROYDAK – Sc.D, prof., Vice-Rector for Scientific Work of USUCT

Victor SHYNKARENKO – Sc.D, prof., the Computer information technologies department (USUST, Dnipro)

### Members of the committee:

Mykhailo ALEKSEYEV – Sc.D, prof., head of the Software of computer systems department (Dnipro Polytechnic, Dnipro)

Ghazwan AL-HAJI – senior lecturer, Department of Science and Technologies faculty (Linchopinsky University, Sweden)

Atul BASKAR – professor, Faculty of Engineering and Environment (Southampton University, England)

Gedeminas VAYCHUNAS – Sc.D, prof. (Vilnius Technical University of Gediminas, Lithuania)

Volodymyr GAVRYLYUK – Sc.D, prof., head of the AT department (USUST, Dnipro)

Gennady GROMOV – Sc. D, prof., head of the Department of Transportation and Logistics (Institute of Transport and Telecommunications, Latvia)

Igor ZHUKOVYTSKY – Sc.D, prof., head of the ECM department (USUST, Dnipro)

Dmitry ZELENTSOV – Sc.D, prof., head of the Specialized computer systems department (USUST, Dnipro)

Olga ZINENKO – Ph.D., Leading Engineer of HICC JSC "Ukrzaliznytsia" (Kyiv)

Olena KISELYOVA – Sc.D, prof., dean of the Applied Mathematics faculty, Corresponding Member of the National Academy of Sciences of Ukraine (O. Honchar Dnipro National University, Dnipro)

Valeriy KUZNETSOV – Sc.D, prof., Railway Research Institute (Poland)

Valeriy LAKHNO – Sc.D, prof., the Computer Systems and Networks department (National University of Life and Environmental Sciences of Ukraine, Kyiv)

Mykola NIKITCHENKO – Sc.D, prof., head of the Theory and technology department (Taras Shevchenko National University of Kyiv, Kyiv)

Krassimir MARKOV – Sc.D, prof., (Institute of Information Theories and Applications, Bulgaria)

Serhiy PRYKHODKO – Sc.D, prof., head of the Transport Communication (Ukrainian State University of Railway Transport, Kharkiv)

Alexander SLADKOVSKIY – Sc.D, prof., head of the Logistics and transport technologies department (Silesian polytechnic, Poland)

Andriy CHUKHRAY – Sc.D, prof., head of the Mathematical Modeling and Artificial Intelligence department (National Aerospace University 'Kharkiv Aviation Institute')

**Theses of reports** will be published before the conference. Abstracts should be submitted in electronic format in 1 page of the WinWord editor. A4 paper size with margins: left – 22.5 mm, right – 22.5 mm, top – 20 mm and bottom – 30 mm, font is Times New Roman Cyr 12 pt, single interval between lines (12 pt).

The sequence of materials presentation in the theses: title of report (bold, 12 pt, uppercase and lowercase letters, centered alignment, spacing before a paragraph is 12 pt and after a paragraph is 6 pt ); the authors' surnames and initials, the organization full title, country (centered alignment, spacing before and after a paragraph is 6 pt); text of theses with justified alignment. Revised text (without edits) should not contain a bibliography, drawings and formulas if it's possible. Theses should almost entirely fill the page. Theses that do not meet these requirements will be rejected.

Request about your participation in the conference and theses of report, designed in accordance with the specified requirements, should be submitted to the Organizing Committee not later than **10 December 2024**

**Along with the theses, articles can be submitted for publication in the "Science and progress of transport" journal (<http://stp.diit.edu.ua>), which are appropriate to its subjects and designed by the requirements of journal. (publication should be paid)**

**Articles must be submitted before the conference**, requirements for articles can be found on the website <http://stp.diit.edu.ua>

Additional information about the conference on the university website <https://ust.edu.ua>

**Conference fee** that is used to cover the conference expenses needs to be paid till **12 December 2024**.

The conference fee equals to **70 UAH** per one thesis for participants from Ukraine **electronic version of conference materials included.**

For participants from other countries, who only sending thesis, conference fee is free (include electronic version of conference materials).

**Bank details for payment in UAH:**

Ukrainian State University of Science and Technology  
EDRPOU 44165850,  
TIN 441658504635,  
bank account UA628201720313281005204180123  
Bank State Treasury Service of Ukraine, Kyiv,  
MFO 820172.

For participation in the conference ' \_\_\_\_\_ ' Name  
and surname

**Phones for information:**

(056) 373 15 89 / +380 50 66 117 81  
CIT department DIIT (USUST),  
Hryshechkina Tetyana Sergiivna

(056) 373 15 35 / +380 97 97 25 255  
CIT department DIIT (USUST),  
Horiachkin Vadym Mykolayovych

**The application for participation in the conference,  
theses are accepted at the link**

<https://forms.gle/zP3a4GFcwLdw6iHt7>

**An alternative is e-mail**  
modernit.conf@gmail.com

**Application**

to participate in the International  
scientific-practical conference  
"MODERN INFORMATION AND  
COMMUNICATION TECHNOLOGIES IN  
TRANSPORT, INDUSTRY AND  
EDUCATION"

1. Surname, name
2. Position, academic degree, title
3. Organization (full title and abbreviation)
4. Mailing address
5. Phone, fax (with area code), e-mail
6. The section title
7. The report title (if planned)
8. The need to provide documents for payment of  
the conference fee (select required):
  - agreement,
  - account,
  - certificate of completion.

**I plan to:**

- make a speech with report (10-15 min.);
- make a speech with information (5 min.);
- take a part as a listener;
- print theses;
- print an article.

\_\_\_\_\_

date

\_\_\_\_\_

signature

MINISTRY OF  
EDUCATION AND SCIENCE OF UKRAINE

UKRAINIAN STATE UNIVERSITY OF SCIENCE AND  
TECHNOLOGY



**XVIII international  
scientific-practical conference**

**MODERN INFORMATION AND  
COMMUNICATION TECHNOLOGIES IN  
TRANSPORT,  
INDUSTRY AND  
EDUCATION**

**12.12.2024 – 13.12.2024**

Dnipro  
2024