

RESOLUTION
of the final plenary session
of VII International Scientific and Practical Conference
«Information technologies in education, science and industry»
(ITOHT-2024)
from 24.05.2024

1. The VII International Scientific and Practical Conference «Information technologies in education, science and industry» (ITOHT-2024) took place on 23-24 May. The Cherkasy State Technological University organized the event in a mixed environment according to the specified organization plan related to scientific conferences and other events in the realm of science and education (decree of Institute of Modernization of Education No.21/08-1560 from 13.09.2023, Ministry of Education and Science of Ukraine).

2. The list of the conference's co-founders consists of the following Ukrainian and foreign academic institutions: Educational and Research Institute for Applied System Analysis of the National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute" (Ukraine); Institute for Digitalisation of Education of NAPS of Ukraine; International Research and Training Center for Information Technologies and Systems under NAS and MES of Ukraine; Kharkiv National University of Radio Electronics (Ukraine); Odesa Polytechnic National University; Ukrainian State University named after Mykhailo Drahomanov (Ukraine); Bogdan Khmelnytsky Melitopol State Pedagogical University (Ukraine); Drohobych Ivan Franko State Pedagogical University (Ukraine); Ukrainian Engineering Pedagogics Academy (Ukraine); Technische Universität Berlin (Germany); Lublin University of Technology (Poland); Norwegian University of Science and Technology (Norway); Universidade Aberta (Portugal); Tallinn University (Estonia); Anadolu University (Türkiye); Luigj Gurakuqi University of Shkodër (Albania); Astana IT University (Kazakhstan).

3. Many scientists, professors, and PhD graduates from Ukraine and several foreign countries participated in the conference. This is certified by **144** submitted scientific conference abstracts from a total of **148** registered participants (including **10** foreign representatives) from the following academic institutions:

- **4** research institutions of National Academy of Sciences of Ukraine including G.E. Pukhov Institute for Modeling in Energy Engineering National Academy of Sciences of Ukraine; Institute for Digitalization of Education National Academy of Educational Sciences of Ukraine; State Institution "Scientific Centre for Aerospace Research of the Earth of the Institute of Geological Sciences of the National Academy of Sciences of Ukraine"; State Scientific Research Institute of Armament and Military Equipment Testing and Certification;

- **30** Ukrainian universities and institutes including Taras Shevchenko National University of Kyiv; National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute"; Kharkiv National Technical University «Kharkiv Polytechnic Institute»; Vinnytsia National Technical University; Khmelnytskyi National University, Khmelnytskyi; Lutsk National Technical University; Lviv Polytechnic National University; Kyiv National Economic University

named after Vadym Hetman; National Aerospace University "Kharkiv Aviation Institute", Kharkiv; National Aviation University; National Transport University; Zhytomyr Polytechnic State University;

- **8** foreign universities and institutes including Institute of Information Technology, Baku, Azerbaijan; International University of Science and Technology in Kuwait, Kuwait; International University Kuwait, Kuwait; International IT University, Kazakhstan; Masaryk University, Czech Republic; Mykolas Romeris University, Lithuania; Presidential School of Uzbekistan, Suleyman Demirel University, Uzbekistan.

4. The organizers of the conference used Google Services during the registration of participants and to publish the scientific conference abstracts while ensuring their proper editing.

5. Among the conference's participants, there is a total of **30** Doctors of Science and Professors, more than **70** Candidates of Science and Associate Professors, as well as scientists, lecturers, PhDs, businesspersons, and programming engineers.

6. The organizers of the conference defined the following objectives:

- to increase motivation for conducting further scientific research related to information and communication technologies;

- to define the spheres of science, education, industry, management, economy, medicine, and society, which are the most suitable for the application of information and communication technologies;

- to organize an exchange of scientific knowledge and practical experience related to information and communication technologies;

- to foster stronger cooperation among the scientists, as well as academic and scientific institutions from Ukraine and foreign countries.

7. The participants presented **71** papers during two plenary sessions at 7 sections during the conference by using the **MS Teams system**.

The papers presented at the conference were dedicated to a great number of various scientific topics. The highlighted topics included, but were not limited to:

- implementing information technologies and systems in economics, industry, management of medical, scientific, and academic institutions, enterprises, etc.;

- computer modeling of physical and chemical processes;

- education of IT specialists and corresponding challenges, such as providing adequate knowledge related to programming, attributes of databases, local and global networks, AI, etc.;

- analysis of the role of information and communication technologies, Internet, and AI in higher education and science.

8. Having concluded the conference, the organizers have published the following documents: a **collection of scientific conference abstracts** and **this resolution**. Both documents are available at the conference's website (<https://itest.chdtu.edu.ua/>) and its information page (<https://knsa.chdtu.edu.ua/itont-2024>).

All participants and authors of scientific conference abstracts received Certificates as proof of their participation.

9. Following the organizers' recommendations, all participants who took part in the main conference submitted **70** full-text English papers as an expansion to their

scientific conference abstracts. Based on the results of reviewing through EquinOCS (<https://equinocs.springernature.com/service/itest2024>), the responsible committee plans to publish a separate **collection of scientific papers**. This collection will be published in the upcoming issue of **Springer Lecture Notes on Data Engineering and Communications Technologies** (<https://www.springer.com/series/3527>) and will be available in digital form.

9. All participants of the final plenary session of the conference

HAVE MADE THE FOLLOWING DECISION:

To organize the next VIII International Scientific and Practical Conference «**Information technologies in education, science, and industry**» (ITOHT-2026) in April-May 2026.

Head of an organizing and program committee,
rector of Cherkasy State Technological University
professor

Oleg GRYGOR

Vice-head of an organizing and program committee,
prorector of scientific and research activities and
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professor

Emil FAURE

Vice-head of an organizing and program committee,
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