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PO «Systemic directions of research»

PO WRCVE

Esslingen University of Applied Sciences

University of Koblenz

Cardiff University

Kırklareli University

Universidad Politécnica de Madrid



INFORMATION LETTER

II (VIII) International Scientific and Practical Conference of Students and Young Scientists «Information Technologies: Theory and Practice»

April 2 – 4, 2025

Zaporizhzhia-Kharkiv-Dnipro,
Ukraine

DEAR COLLEAGUES!

We invite you to participate in I (VII) international scientific and practical conference of students and young scientists «Information technologies: theory and practice», which will be held on **March 20-22, 2024** at the National Technical University "Dnipro Polytechnic."

CONFERENCE PURPOSE

This event aims to discuss the findings of scientific research conducted by young scientists, postgraduate students and students in the field of computer science and information technology. The event will also promote the exchange of innovative ideas and experiences and explore the use of advanced information systems and technologies for the post-war reconstruction of Ukraine. Additionally, the event will identify current trends in European integration processes, in line with the National Plan for Open Science.

VENUE AND DATE

April 2 – 4, 2025

on-line



IMPORTANT DATES

March 24, 2025 – deadline for materials submission and applications.

March 28, 2025 - deadline for notification of acceptance/rejection of papers; sending out invitations and programs.

April 2-4, 2025 – Conference and Session (on-line).

SCIENTIFIC DIRECTIONS OF THE CONFERENCE

- 1. Modeling, analysis and optimization of complex systems**
 - mathematical and simulation modeling of objects and processes;
 - project and program management;
 - system analysis of objects and processes of various nature;
 - technological processes optimization;
 - modern optimization methods;
 - business analytics.
- 2. Intelligent computer systems**
 - intelligent data analysis, BigData technologies;
 - pattern recognition, digital image and signal processing;
 - neurocomputers and neural networks;
 - expert data in processing systems;
 - decision making support systems;
- 3. Computer science and software engineering**
 - software development, software integration;
 - communicational, GRID and cloud technologies;
 - database development and implementation.
- 4. Information technologies in automation, electronics, measuring equipment and economics**
 - information technologies in society, education, medicine, economics, management, civil defense, ecology, law and financial sector;
 - resource-saving, ecologically friendly technologies;
 - geographic information systems and technologies;
 - automated management systems for technological processes.
- 5. Cybersecurity and information protection**
 - research and analysis of cybersecurity methods and approaches;
 - practical implementation of modern cryptographic standards;
 - information transmission and steganography;
 - technical protection of information.
- 6. Round-table “Information technologies as a driver of European integration processes in Ukraine”**
 - open science and open innovations;
 - experience in implementing projects in EU research grant programs;
 - Intellectual entrepreneurship as a catalyst for sustainable development of the country
 - use and contribution to the Open Data platform;
 - improving the IT education content and establishing standards to guarantee the quality of education.

The working languages of the conference are **Ukrainian and English.**

Participation in the conference is free of charge.

DOCUMENTS SUBMISSIONS

Submission of applications and conference paper abstracts is open until March 24, 2025, via email at ittp_2025@zp.edu.ua (please specify SectionNumber_LastName_of_First_Co-Author in the email subject line). The abstracts should be submitted as a file named SectionNumber_LastName_of_First_Co-Author.doc.

CONFERENCE PAPER FORMATTING

The text of the conference papers should contain the following mandatory structural elements: introduction, main body, conclusions, and references. Conference papers of 2 - 4 full pages of text in A5 (148x210 mm) format, typed in MS Word (.doc, .docx) are accepted for publication. Requirements for the conference papers formatting <https://zp.edu.ua/conference-2025-4-2>, template of the conference papers formatting <https://zp.edu.ua/conference-2025-4-2>.

ADDITIONAL INFORMATION

FOR CONFERENCE PARTICIPANTS

The conference proceedings will be published in an electronic collection of conference materials (ISBN).

The best submissions will be recommended for free publication in a professional scientific journal (category «B») "Information Technology: Computer Science, Software Engineering and Cyber Security" (<https://journals.politehnica.dp.ua/index.php/it/homepage>).

The Organizing Committee reserves the right to reject materials if they do not meet the requirements or topics of the conference.

We ask participants who have submitted applications but cannot attend the conference in person to notify the organizing committee in advance (by phone or e-mail).

The conference page is available on the website of Zaporizhzhia Polytechnic National University <https://zp.edu.ua/conference-2025-4-2>