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PO «Systemic directions of research»

Esslingen University of Applied Sciences

University of Koblenz

Cankiri Karatekin University

Reutlingen University

CALL

FOR ABSTRACTS

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

March 20 – 22, 2024
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 Dnipro University of Technology.

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
March 20 – 22, 2024

online

IMPORTANT DATES

March 1, 2024 – deadline for abstracts submission.

March 14, 2024 - deadline for notification of acceptance/rejection of abstracts; sending out invitations and programs.

March 20-22, 2024 – Conference and Sessions (online).

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. 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 English and Ukrainian.

Participation in the conference is free of charge.

DOCUMENTS SUBMISSIONS

To apply, authors need to fill out and submit the form at the link: https://forms.gle/6AQWFHF2rJ2vpGdN9. The **deadline** for abstracts submission is **March 1, 2024**. Alternatively, abstracts can be sent to the email of the ITTP conference: ITTP_konf@nmu.one (email subject should be formatted as SectionNumber_FirstAuthorSurname). Conference papers should be submitted as a file named in the format **SectionNumber_FirstAuthorSurname.**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 A4 (210×297 mm) format, typed in MS Word (.doc, .docx) are accepted for publication. Requirements for the conference papers formatting https://cutt.ly/JwLbRxoY , template of the conference papers formatting https://cutt.ly/RwLbR0U3 .

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).

Conference page is available on the website of the Department of System Analysis and Control Department of National Dnipro University of Technology
https://cutt.ly/GwLbWX23