

## ISET 2022

### Special Session on Innovations in Science, Education and Technology

at the 14<sup>th</sup> Asian Conference on Intelligent Information and Database Systems (ACIIDS 2022)

Almaty, Kazakhstan, June 6-9, 2022

Conference website: <http://www.aciids.pwr.edu.pl/>

### Special Session Organizers

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### Objectives and topics

The concept of "innovation" in Latin means "renewal, innovation or change". The level of development of the innovative sphere – science, new technologies, knowledge-intensive industries, education, participation in international scientific and technical cooperation - form the basis of sustainable economic growth, are a prerequisite for the successful participation of the country in the global division of labor, determine the prospects and affect the pace of development of the economic sphere.

In the modern world, the economy is driven by innovations that characterize the process of transforming knowledge and ideas into value demanded by the consumer and lead to increased productivity, and, consequently, to the growth of technology and business. Innovative activity is a key factor in the dynamic development and competitiveness of the modern economy. Accelerating scientific and technological progress, differentiation of markets, demanding consumers of goods and services, the emergence of new competitors, especially in the globalized world economy, force science to react quickly and adapt to the changing external environment, to develop an innovative strategy.

We would like to offer an opportunity for researchers and practitioners to identify new promising research directions as well as to publish recent advances in this area. The scope of the ISET 2022 includes, but is not limited to the following topics:

- Information technologies in professional training
- Augmented and Virtual reality in education
- Artificial Intelligence and Machine Learning in Education
- Cloud Computing for Education
- Social Media in Educational Institutions
- E-learning
- Embedded learning systems
- Adaptive learning
- Massive open online education
- New Developments in Science and Technology Education
- STEM Education
- Online education platforms
- The Effects of Blended Online Learning in Higher Education STEM Courses
- Advanced Designs for Technologies of Learning
- Advanced Designs for Inclusive Learning
- Modern models and methods of teaching in vocational training
- Human-machine interaction in education

- Professional training in the context of modern global trends in the development of education.
- Formation of flexible skills in the system of professional training of a modern specialist.
- Professional mobility of the future and modern specialist: content and technologies of formation.
- Promising directions and steps of modernization of methods and technologies of professional training.
- Technical and technological equipment of professional training in the era of digitalization.
- Online professional training: new opportunities, challenges and promising solutions.
- Early professional orientation of students in the era of digitalization.

## Important dates

Submission of papers: **15 January 2022**  
 Notification of acceptance: **1 March 2022**  
 Camera-ready papers: **15 March 2022**  
 Registration & payment: **15 March 2022**  
 Conference date: **6-9 June 2022**

## Program Committee (to be invited)

Amangeldi Saipov, Mukhtar Auezov South Kazakhstan University, Shymkent, Kazakhstan  
 Bakhytzhan Omarov, International University of Tourism and Hospitality, Turkistan, Kazakhstan  
 Danebek Poshayev South Kazakhstan Pedagogical University, Shymkent, Kazakhstan  
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 Nurali Saiydakhmedov, Tashkent pedagogical State University, Uzbekistan  
 Bakhtiyar Ortayev, Khoja AkhmetYassawi International Kazakh-Turkish University, Turkistan, Kazakhstan  
 Youri Dmitriev, Moscow State pedagogical University, Moscow, Russia  
 Kuatbek Baidaliev, Zhangir Khan west Kazakhstan Agrarian Technical University, Ural, Kazakhstan  
 Balnur Kenzhayeva, International University of Tourism and Hospitality, Turkistan, Kazakhstan  
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 Murat Kamalov, Mukhtar Auezov South Kazakhstan State University, Shymkent, Kazakhstan

## Submission

All contributions should be original and not published elsewhere or intended to be published during the review period. Authors are invited to submit their papers electronically in pdf format, through EasyChair. All the special sessions are centralized as tracks in the same conference management system as the regular papers. Therefore, to submit a paper please activate the following link and select the track: ***ISET 2022: Special Session on Innovations in Science, Education and Technology***.

<https://easychair.org/conferences/?conf=aciids2022>

Authors are invited to submit original previously unpublished research papers written in English, of up to 13 pages, strictly following the LNCS/LNAI format guidelines. Authors can download the Latex (recommended) or Word templates available at [Springer's web site](#). Submissions not following the format guidelines will be rejected without review. To ensure high quality, all papers will be thoroughly reviewed by the ISET 2022 Program Committee. All accepted papers must be presented by one of the authors who must register for the conference and pay the fee. The conference proceedings will be published by Springer in the prestigious series LNCS/LNAI (indexed by ISI CPCI-S, included in ISI Web of Science, EI, ACM Digital Library, dblp, Google Scholar, Scopus, etc.).