

It is our pleasure to present you the proceedings of the 3rd International Workshop on Computational & Information Technologies for Risk-Informed Systems (CITRisk-2022), held in Neubiberg, Germany on 12 January 2023.

Today's world is full of challenges and threats that create risks for all spheres of life every second. Climate change is leading to major lifestyle changes. The accompanying natural and technological hazards are complemented by cyber threats, threats of hybrid attacks, and even military conflicts. Humanity must learn to live and work in conditions of constant multiple risks, and therefore, to find ways to manage them.

The ever-changing scope and rapid development of risk-informed systems create new problems and questions, resulting in the real need for sharing brilliant ideas and stimulating good awareness of this important research field.

Thus, the main purpose of CITRisk-2022 workshops is to provide a platform for the dissemination of current research progress, innovative approaches, and original research results on the application of computational and information technologies for risk-informed systems.

The workshop is organized by the University of Bundeswehr Munich (Neubiberg, Germany) and Kherson National Technical University (temporarily in Khmelnytskyi, Ukraine) with the support of IT Hub Kherson Public Organization and CEUR-WS.org.

We called for papers on risk analysis and risk-informed systems, including but not limited to the following topics: computational models and methods for risk-informed systems; intelligent information technologies for risk-informed systems; information technologies for diagnostic, modeling, and monitoring of crisis and disaster situations.

International Program Committee consists of 26 members representing 18 Universities and research organizations from the United Kingdom, USA, Canada, Germany, Austria, Italy, Spain, Slovakia, Czech Republic, Poland, Bulgaria, China, Ukraine, Moldova, and Kazakhstan. Each International Program Committee is an author of more than 20 DBLP papers.

CITRisk-2022 International Program Committee received 49 submissions, each of which has been rigorously evaluated by two or three reviewers.

Based on the reviews, submissions have been arranged for their average scores and according to the decision of the International Program Committee, 14 papers (13 of which are regular and 1 is short) with positive average scores have been accepted for presentation at the CITRisk-2022 workshop (final acceptance rate is 28,5%).

The CITRisk-2022 workshop has been conducted online in the form of

oral presentations of peer-reviewed papers; the language of the workshop is English.

We would like to thank the Chairs and Members of the International Program Committee, and Organizing Committee for their excellent work. All of them worked hard to make the workshop a success.

We appreciate the assistance of the reviewers who have provided expert criticism of the numerous submissions and constructive suggestions for their revision.

We recognize the commitment of all authors who shared their knowledge and experience and wish them every success in their research.

We sincerely thank everyone for their fruitful work and hope that the workshop results make a significant contribution to the development of computational and information technologies for risk-informed systems in Germany, Ukraine, and all over the world.

January 2023,

Stefan Wolfgang Pickl

Volodymyr Lytvynenko

Maryna Zharikova

Volodymyr Sherstjuk