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## Preface

It is our pleasure to present you the proceedings of 4th International Workshop on Intelligent Information technologies and Systems of Information Security (IntelITSIS-2023), held in Khmelnytskyi (Ukraine) in March 22-24, 2023.

This workshop is organized by Computer Engineering & Information Systems Department of Khmelnytskyi National University with the support of the PUBLIC ORGANIZATION “UKRAINIAN SCIENTIFIC AND EDUCATIONAL IT SOCIETY”.

The IntelITSIS-2023 focuses on all technical and practical aspects of the latest research and results of international scientists and practitioners related to intelligent information technologies, information security systems, and computer and cyberphysical systems and networks. This workshop provides opportunities to exchange new ideas, to establish business or research relations and to find global partners for future collaboration.

International Program Committee has 28 members. 100% of the IntelITSIS-2023 International Program Committee members have more than 15 DBLP papers. There are the representatives of 13 Universities from around the world from United Kingdom, USA, Austria, Slovakia, Czech Republic, Egypt, Poland, and Estonia (City University of London, Oxford Brookes University, Newcastle University, Leeds Beckett University, University of Maine, Missouri University of Science and Technology, University of Vienna, Comenius University in Bratislava, Prigo University, Silesian University of Technology, Tallinn University of Technology, Zilina University, Ain Shams University) and of 6 Ukrainian Universities (Khmelnytskyi National University, Taras Shevchenko National University of Kyiv, West Ukrainian National University, Lviv Polytechnic National University, Kherson National Technical University, National Aerospace University “Kharkiv Aviation Institute”).

4th International Workshop on Intelligent Information Technologies & Systems of Information Security received 131 submissions from Ukraine and the world. All papers were evaluated by two or three reviewers. Based on the reviews, a rating of papers was compiled. Papers with a positive average scores were accepted for presentation at the Workshop. According to the decision of the International Program Committee, 54 papers were accepted for presentation at the Workshop. So, final acceptance rate is 41%.

The IntelITSIS-2023 joined scientists from Ukraine, United Kingdom, USA, Slovakia, Czech Republic, Austria, Poland, Estonia, Germany, Egypt, Algeria, Kazakhstan, Kyrgyzstan, Israel, Canada, Malta, Switzerland. In general, the representatives from 27 Universities from around the world, 4 industrial partners from Israel, Canada, Malta, Switzerland, 4 industrial partners from Ukraine and 36 Ukrainian Universities (summary 71 institutions) took part in the Workshop.

We would like to thank the members of International Program Committee and Organizing Committee, and external reviewers for their excellent and tireless work. We sincerely thank everyone for a fruitful work and interesting presentations! We hope that the workshop results make a significant contribution to the development of intelligent information technologies, information security systems and computer and cyberphysical systems & networks in Ukraine and in the world.

March, 2023

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