

Workshop on

Cybersecurity Providing in Information and Telecommunication Systems II

CPITS-II'2023









CEUR Workshop Proceedings ISSN 1613-0073

October 26, 2023 Kyiv, Ukraine Workshop on Cybersecurity Providing in Information and Telecommunication Systems II (CPITS-II), ed. V. Sokolov, T. Radivilova, V. Ustimenko, M. Nazarkevych, Borys Grinchenko Kyiv University, Kyiv, Ukraine, Oct. 26, 2023.

The aim of the Cybersecurity Providing in Information and Telecommunication Systems (CPITS) workshop is to provide a forum for researchers to discuss current trends in cybersecurity and risk management, critical infrastructure security, wireless and sensor network privacy, IoT and IoMT security, routing techniques for cybersecurity, cybersecurity data science, artificial intelligence, machine learning in cybersecurity, deepfake attacks and cryptography. In CPITS, we encourage the submission of papers in the field of Cybersecurity. Novel applications of these methods to real-world problems are welcome.

There were 47 papers submitted for peer review to this workshop. Out of these, 32 papers were accepted for this volume, 15 as regular papers and 17 as short papers.

The workshop is co-located with the International Conference "Problems of Infocommunications. Science and Technology" (IEEE PIC S&T'2023).

Borys Grinchenko Kyiv University, 13b Levka Lukianenka str., Kyiv, 04212, Ukraine

CEUR Workshop Proceedings ISSN: 1613-0073

Creative Commons License Attribution 4.0 International (CC BY 4.0)

© 2023 Cybersecurity Providing in Information and Telecommunication Systems

Committees

Editors

Volodymyr Sokolov

PhD, Assoc. Prof., Borys Grinchenko Kyiv University, Ukraine

Tamara Radivilova

DSc, Prof., Kharkiv National University of Radio Electronics, Ukraine

Vasyl Ustimenko

DSc, Prof., Royal Holloway, University of London

Mariya Nazarkevych

DSc, Prof., Lviv Polytechnic National University, Ukraine

Organizing Committee

Pavlo Skladannyi

PhD, Assoc. Prof., Borys Grinchenko Kyiv University, Ukraine Publicity Chair

Tetiana Opryshko

PhD, Borys Grinchenko Kyiv University, Ukraine Plagiarism Screening Manager

Program Committee

Ivan Opirskyy

DSc, Prof., Lviv Polytechnic National University, Ukraine

Oleksandr Kuznetsov

DSc, Prof., University of Macerata, Italy

Maryna Yevdokymenko

DSc, Prof., Kharkiv National University of Radioelectronics, Ukraine

Oleksii Smirnov

DSc, Prof., Central Ukrainian National Technical University, Ukraine

Răzvan Bocu

DSc, Prof., Universitatea Transilvania din Brașov, Romania

Sergiy Gnatyuk

DSc, Prof., National Aviation University, Ukraine

Dmytro Ageyev

DSc, Prof., Kharkiv National University of Radio Electronics, Ukraine

Maksim Iavich

DSc, Prof., Caucasus University, Georgia

Serhii Toliupa

DSc, Prof., Taras Shevchenko National University of Kyiv, Ukraine

Marek Aleksander

DSc, Prof., Panstwowa Wyzsza Szkoła Zawodowa w Nowym Saczu, Poland

Viktor Shevchenko

DSc, Prof., Taras Shevchenko National University of Kyiv, Ukraine

Emanuele Frontoni

DSc, Prof., Marche Polytechnic University, Italy

Valeriy Lakhno

DSc, Prof., National University of Life and Environmental Sciences of Ukraine