

UNIVERSITY OF THE NATIONAL EDUCATION COMMISSION, POLAND

TOMAS BATA UNIVERSITY IN ZLIN, CZECH REPUBLIC

NATIONAL UNIVERSITY “KYIV AVIATION INSTITUTE”, UKRAINE



***Second International Workshop on Advanced
Technologies in Cyber Resilience***
co-located with
**5th International Conference
on Cyber Hygiene & Conflict Management
in Global Information Networks**

PROGRAM

Supported by

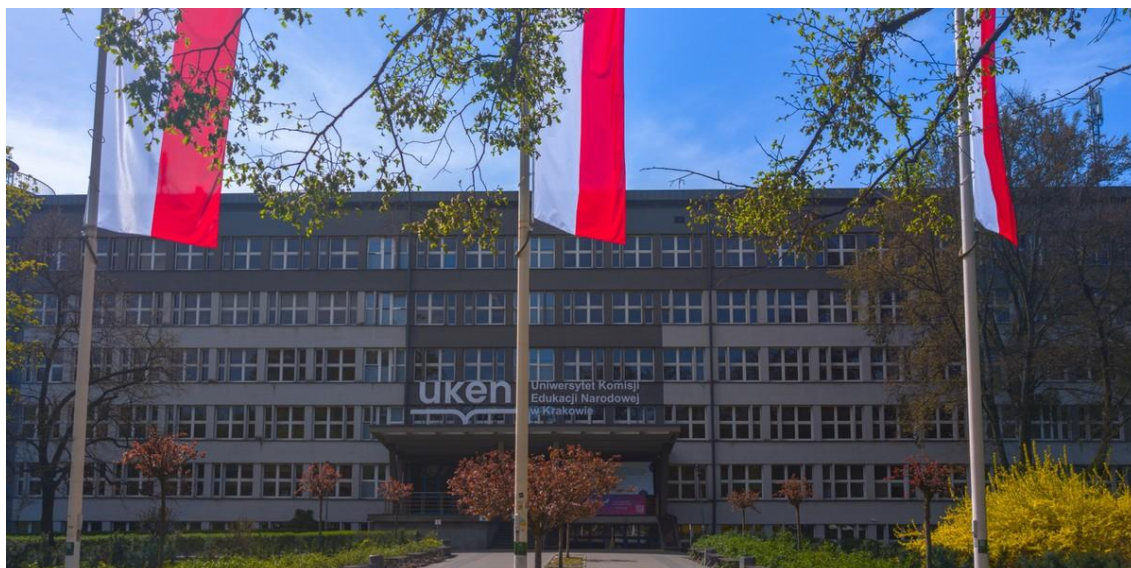


June 26, 2026

Kraków - Kyiv - Zlín

Topics of 5th International Conference on Cyber Hygiene & Conflict Management in Global Information Networks

- Management of Cyber Incidents, Warfare, and Conflicts
- Modern Information and Communication Technologies
- Secure Digital Content Processing for Modern Applications
- Intelligence Systems of Data Processing
- Secure ICT and Social Services
- AI-based Technologies in Cyber Space
- Legal Aspects of Cyber Security and Digital Resilience
- Conflict Management
- Economic Security Management and Information Protection
- Information, Consciousness, and the Digital Age: An Interdisciplinary Discourse
- Cyber Diplomacy and the Impact of Innovations on Law and International Relations
- Cyber Security and Innovation Technologies in Transport
- Critical Infrastructure Protection and Environmental Safety



Workshops

- Workshop on Cyber Hygiene
- Workshop on Advanced Technologies in Cyber Resilience
- Workshop on Conflict Management in Global Information Networks
- Workshop for Young Scientists in Computer Science and Security

Roundtable

SECURE: Security Education Center for Unified Resilience and Effective Communications (ERASMUS-EDU-2024-CBHE, project id 101179818, 2024-2027) <https://erasmus-secure.eu>

Venue

University of the National Education Commission
ul. Podchorążych 2, 30-084 Kraków, Poland

COMMITTEE MEMBERS

Editors

Sergiy Gnatyuk, National University “Kyiv Aviation Institute”, Ukraine

Maksim Iavich, Caucasus University, Georgia

Roman Odarchenko, National University “Kyiv Aviation Institute”, Ukraine

Marek Aleksander, State Higher Vocational School in Nowy Sacz, Poland

Maksym Zaliskyi, National University "Kyiv Aviation Institute", Ukraine

International Program Committee (IPC)

Roman Jasek, Tomas Bata University in Zlin, Czech Republic

Bronislav Chramcov, Tomas Bata University in Zlin, Czech Republic

Jugoslav Achkoski, Military Academy, North Macedonia

Audrius Lopata, Kaunas University of Technology, Lithuania

Rui Luis Aguiar, University of Aveiro, Portugal

Rat Berdibayev, Almaty University of Power Engineering and Telecommunications, Kazakhstan

Haruna Chiroma, University of Hafr Al Batin, Saudi Arabia

Thierry Oscar Edoh, University of Bonn, Technical University of M ь nich, Germany

Emil Faure, Cherkasy State Technological University, Ukraine

Solomia Fedushko, Lviv Polytechnic National University, Ukraine

Natalia Shakhovska, Lviv Polytechnic National University, Ukraine

Tetiana Okhrimenko, Scientific Cyber Security Association of Ukraine, Ukraine

Valentin Cardenoso Payo, University of Valladolid, Spain

Jamil Al-Azzeh, Al Balqa Applied University, Jordan

Vishnu Narayan Mishra, Indira Gandhi National Tribal University, India

Zhengbing Hu, University of Bonn, Central China Normal University, China



Workshop on Advanced Technologies in Cyber Resilience Track A

June 26, 2026

Start at 11:00 (CEST)

University of the National Education Commission, Main Bldg., 1st floor

Moderators – Sergiy Gnatyuk, Kamila Kluczevska-Chmielarz

11:00 – 11:15

A method for assessing the digital maturity of telecommunications systems based on adaptive management

Roman Odarchenko (National University “Kyiv Aviation Institute”, Kyiv, Ukraine)

Oleksiy Assaul (Huawei Ukraine, Kyiv, Ukraine)

Piotr Migo (University of the National Education Commission, Krakow, Poland)

Kateryna Ishchuk (National University “Kyiv Aviation Institute”, Kyiv, Ukraine)

11:15 – 11:30

Development of attack resistance models in the LMS platform based on AI/ML algorithms

Bakhytzhn Akhmetov (Abay Kazakh National Pedagogical University, Almaty, Kazakhstan)

Dinara Basshykyzy (Al-Farabi Kazakh National University, Almaty, Kazakhstan)

11:30 – 11:45

Model for detecting anomalous states of information systems based on an integrated security indicator

Olena Nechyporuk (National University “Kyiv Aviation Institute”, Kyiv, Ukraine)

Svitlana Kashkevych (National University “Kyiv Aviation Institute”, Kyiv, Ukraine)

Sławomir Bałuszyński (University of the National Education Commission, Krakow, Poland)

Nataliia Apenko (National University “Kyiv Aviation Institute”, Kyiv, Ukraine)

Yevhenii Tupota (National University “Kyiv Aviation Institute”, Kyiv, Ukraine)

Yevhen Artamonov (National University “Kyiv Aviation Institute”, Kyiv, Ukraine)

11:45 – 12:00

Media literacy as a driver of cyber hygiene among technical university students in the context of education digitalization

Olekii Holubnychyi (Scientific Cyber Security Association of Ukraine, Kyiv, Ukraine)

Anzhelika Kokarieva (Scientific Cyber Security Association of Ukraine, Kyiv, Ukraine)
Lesia Khomenko-Semenova (Scientific Cyber Security Association of Ukraine, Kyiv, Ukraine)
Mariia Patrul (Scientific Cyber Security Association of Ukraine, Kyiv, Ukraine)
Hanna Selesen (Scientific Cyber Security Association of Ukraine, Kyiv, Ukraine)

12:00 – 12:15

Models and algorithms for detecting anomalies in LMS platforms using machine learning
Dmytro Proskurin (National University “Kyiv Aviation Institute”, Kyiv, Ukraine)
Rat Berdibayev (Almaty University of Power Engineering and Telecommunications, Almaty, Kazakhstan)
Tetiana Hryniuk (National University “Kyiv Aviation Institute”, Kyiv, Ukraine)
Sergiy Gnatyuk (National University “Kyiv Aviation Institute”, Kyiv, Ukraine)

12:15 – 12:30

Development of machine learning models for predicting Zabbix trigger activations based on time-series system metrics
Ihor Martyniuk (State Scientific and Research Institute of Cybersecurity Technologies and Information Protection, Kyiv, Ukraine)
Nazar Zaika (State Scientific and Research Institute of Cybersecurity Technologies and Information Protection, Kyiv, Ukraine)
Hanna Martyniuk (Mariupol State University, Kyiv, Ukraine)
Tetiana Okhrimenko (Scientific Cyber Security Association of Ukraine, Kyiv, Ukraine)

12:30 – 12:45

Application of artificial intelligence in academic and administrative processes in higher education institutions
Gulistan Yelubay (Abai Kazakh National Pedagogical University, Almaty, Kazakhstan)
Bakhytzhhan Akhmetov (Abai Kazakh National Pedagogical University, Almaty, Kazakhstan)
Selami Eryilmaz (Gazi University, Ankara, Turkey)

12:45 – 13:00

Approaches for ensuring long-term verification of electronic signatures
Andrew Okhrimenko (Mariupol State University, Kyiv, Ukraine)
Oleksandr Stokipnyi (Scientific Cyber Security Association of Ukraine, Kyiv, Ukraine)
Vladyslav Kovtun (National Technical University “Kharkiv Polytechnic Institute”, Kharkiv, Ukraine)

Lunch

13:00 – 14:00

Track B

June 26, 2026

Start at 14:00 (CEST)

University of the National Education Commission, Main Bldg., 1st floor

Hybrid mode – <https://meet.google.com/hju-eryd-igm>

Moderators – Tetiana Okhrimenko, Fedir Katushonok

14:00 – 14:15

Single-electron modules for protecting the digital information from energy attacks in space technology

Oleksandr Melnyk (National University “Kyiv Aviation Institute”, Kyiv, Ukraine)

Oleksandr Nahaichenko (National University “Kyiv Aviation Institute”, Kyiv, Ukraine)

14:15 – 14:30

Methodology for exploring the interdependencies between data security in social networks and user connection type

Volodymyr Akhramovych (National University “Kyiv Aviation Institute”, Kyiv, Ukraine)

Vadym Akhramovych (National Academy of Statistics, Accounting and Auditing, Kyiv, Ukraine)

Olesia Yakovenko (National University “Kyiv Aviation Institute”, Kyiv, Ukraine)

Yevheniia Halych (National University “Kyiv Aviation Institute”, Kyiv, Ukraine)

Vladyslav Pavlenko (National University “Kyiv Aviation Institute”, Kyiv, Ukraine)

Nataliia Korshun (Borys Grinchenko Kyiv Metropolitan University, Kyiv, Ukraine)

14:30 – 14:45

A multi-agent system-based approach to determining the indicators importance, affecting education process

Oleksandr Sychov (Ivan Kozhedub Kharkiv National Air Force University, Kharkiv, Ukraine)

Iryna Zakharchenko (Ivan Kozhedub Kharkiv National Air Force University, Kharkiv, Ukraine)

Serhii Toliupa (Kyiv National Economic University, Kyiv, Ukraine)

Nataliia Gulak (Cisco Networking Academy, Kyiv, Ukraine)

Elena Dubchak (Cisco Networking Academy, Kyiv, Ukraine)

Andrii Maistrenko (Scientific Cyber Security Association of Ukraine, Kyiv, Ukraine)

14:45 – 15:00

Observable TLS metadata as a basis for exfiltration-relevant egress violation detection in Kubernetes workloads

Ihor Skostariiev (Scientific Cyber Security Association of Ukraine, Kyiv, Ukraine)

Olena Grinenko (Taras Shevchenko National University of Kyiv, Kyiv, Ukraine)

Sergii Grinenko (National Transport University, Kyiv, Ukraine)

15:00 – 15:15

Knowledge distillation and training variance: An empirical study on run-to-run repeatability

Oleksandr Sukhovyi (Scientific Cyber Security Association of Ukraine, Kyiv, Ukraine)

Olena Grinenko (Taras Shevchenko National University of Kyiv, Kyiv, Ukraine)

15:15 – 15:30

A hybrid threat detection approach for intelligent information security monitoring and cyber risk assessment

Tolkyn Mirkassimova (Cybersecurity and cryptology department, Farabi University, Almaty, Kazakhstan; School of Digital Technologies, Narxoz University, Almaty, Kazakhstan)

Saltanat Adilzhanova (Almaty Technological University, Almaty, Kazakhstan)

15:30 – 15:45

Legal and regulatory framework for counteracting human trafficking in cyberspace

Oleksandr Bandurka (National Academy of Legal Sciences of Ukraine, Kharkiv, Ukraine)

Kateryna Levchenko (Secretariat of Cabinet of Ministries of Ukraine, Kyiv, Ukraine)

Mykola Legenkyi (La Strada-Ukraine, Kyiv, Ukraine)

Maryna Lehenka (La Strada-Ukraine, Kyiv, Ukraine)