

MINISTRY OF EDUCATION AND SCIENCE OF UKRAINE

STATE UNIVERSITY “KYIV AVIATION INSTITUTE”

Scientific Cyber Security Association of Ukraine

Young Scientists Associations of KAI

Faculty of Computer Science and Technology

Faculty of Air Navigation, Electronics and Telecommunications

NAU Cybersecurity R&D Lab



Fourth International Conference on Cyber Hygiene & Conflict Management in Global Information Networks

PROGRAM

June 20–22, 2025

Kyiv

The main conference topics include:

- 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.

CONFERENCE ORGANIZING COMMITTEE

Conference Organizers and Co-Chairs

Sergiy Gnatyuk State University “Kyiv Aviation Institute”, Ukraine

Maksim Iavich Caucasus University, Georgia

Roman Odarchenko State University “Kyiv Aviation Institute”, Ukraine

Audrius Lopata Kaunas University of Technology, Lithuania

Maksym Zaliskyi State University “Kyiv Aviation Institute”, Ukraine

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- **Marek Aleksander**, State Higher Vocational School in Nowy Sacz (Poland)
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- **Zhengbing Hu**, Central China Normal University (China)
- **Jamil Al-Azzeh**, Al Balqa Applied University (Jordan)

CONFERENCE SCHEDULE

Workshop on Cyber Hygiene

June 20, 2025

Start at 10:00 (GMT+3)

State University “Kyiv Aviation Institute”, 3-108

Session 1.1 – Secure networks and threat intelligence

Moderator – Sergiy Gnatyuk

10:00

Welcome

Sergiy Gnatyuk (State University “Kyiv Aviation Institute”, Kyiv, Ukraine)

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

10:15

Cryptographic load sharing method in critical infrastructure sensor networks
(Submission 22)

Emil Faure (State Scientific and Research Institute of Cybersecurity Technologies and Information Protection, Kyiv, Cherkasy State Technological University, Cherkasy, Ukraine)

Inna Rozlomii (Cherkasy State Technological University, Cherkasy, Ukraine)

Serhii Naumenko (Bohdan Khmelnytsky National University of Cherkasy, Cherkasy, Ukraine)

10:30

Methodology for local corporate network security based on a multi-level approach
(Submission 02)

Valerii Dudykevych (Lviv Polytechnic National University, Lviv, Ukraine)

Halyna Mykytyn (Lviv Polytechnic National University, Lviv, Ukraine)

Taras Murak (Lviv Polytechnic National University, Lviv, Ukraine)

10:45

Network microsegmentation design methodology in zero-trust architecture

Roman Syrotynskiy (Lviv Polytechnic National University, Lviv, Ukraine)

Ivan Tyshyk (Lviv Polytechnic National University, Lviv, Ukraine)

Andrii Partyka (Lviv Polytechnic National University, Lviv, Ukraine)

11:00

Secure traffic engineering routing framework under normalized link-blocking constraints in softwarized networks (Submission 35)

Oleksandr Lemeshko (Kharkiv National University of Radio Electronics, Kharkiv, Ukraine)

Oleksandra Yeremenko (Kharkiv National University of Radio Electronics, Kharkiv, Ukraine)

Anatoliy Persikov (Kharkiv National University of Radio Electronics, Kharkiv, Ukraine)

11:15

Post-quantum verkle signature scheme with SHAKE-based deterministic randomness and quantum entropy (Submission 68)

Maksim Iavich (Caucasus University, Tbilisi, Georgia)

11:30

Development of modern payment gateways using blockchain technology (Submission 80)

Olha Suprun (Taras Shevchenko National University of Kyiv, Kyiv, Ukraine)

Oleksandr Provotar (Taras Shevchenko National University of Kyiv, Kyiv, Ukraine)

Oleh Suprun (Taras Shevchenko National University of Kyiv, Kyiv, Ukraine)

11:45

Evaluating the effectiveness of steganography techniques based on pixel value difference (Submission 33)

Denys Fokin (Kharkiv National University of Radio Electronics, Kharkiv, Ukraine)

Maryna Yevdokymenko (Kharkiv National University of Radio Electronics, Kharkiv, Ukraine)

Oleksandr Fediushyn (Kharkiv National University of Radio Electronics, Kharkiv, Ukraine)

12:00

Building cybersecurity systems in hybrid cloud ecosystems based on discrete-event simulation (Submission 10)

Iryna Tregubenko (State Scientific and Research Institute of Cybersecurity Technologies and Information Protection, Kyiv, Ukraine)

Emil Faure (State Scientific and Research Institute of Cybersecurity Technologies and Information Protection, Kyiv, Ukraine, Cherkasy State Technological University, Cherkasy, Ukraine)

Viktor Kotetunov (State Scientific and Research Institute of Cybersecurity Technologies and Information Protection, Kyiv, Ukraine)

Yevhen Morshch (State Scientific and Research Institute of Cybersecurity Technologies and Information Protection, Kyiv, Ukraine)

12:15

Securing segmented networks: Vulnerability detection methods and cybersecurity strategies (Submission 53)

Vitalii Vlasenko (Yuriy Fedkovych Chernivtsi National University, Chernivtsi, Ukraine)

Halyna Lastivka (Yuriy Fedkovych Chernivtsi National University, Chernivtsi, Ukraine)

Mykola Shalaiev (Yuriy Fedkovych Chernivtsi National University, Chernivtsi, Ukraine)

Dinara Ospanova (Kazakh Humanitarian Juridical Innovative University, Semey, Kazakhstan)

Andrii Samila (Yuriy Fedkovych Chernivtsi National University, Chernivtsi, Ukraine)

June 20, 2025
Start at 15:00 (GMT+3)
Hotel Complex “Carivka”, meeting room
Session 1.2 – Modern information and communication technologies

Moderator – Roman Odarchenko

15:00

Functional dependency graphs for cyber risk assessment in 5G-enabled ICS/OT networks (Submission 32)

Alla Pinchuk (State University “Kyiv Aviation Institute”, Kyiv, Ukraine)

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

Oleh Polihenko (State University “Kyiv Aviation Institute”, Kyiv, Ukraine)

Oleksandr Dobrynychuk (State University “Kyiv Aviation Institute”, Kyiv, Ukraine)

Vladyslav Pevnev (State University “Kyiv Aviation Institute”, Kyiv, Ukraine)

15:15

Analysis of technological requirements for IP-based modernization of aeronautical telecommunication network in Ukraine (Submission 41)

Georgiy Konakhovych (State University “Kyiv Aviation Institute”, Kyiv, Ukraine)

Oleksii Holubnychyi (State University “Kyiv Aviation Institute”, Kyiv, Ukraine)

Viktoriia Lukashenko (State University “Kyiv Aviation Institute”, Kyiv, Ukraine)

Iryna Kozliuk (State University “Kyiv Aviation Institute”, Kyiv, Ukraine)

Semen Doroshenko (State University “Kyiv Aviation Institute”, Kyiv, Ukraine)

15:30

Neural network approach to 5G digital modulation recognition under a priori uncertainty of parameters (Submission 70)

Bohdan Kotyk (State University “Kyiv Aviation Institute”, Kyiv, Ukraine)

Denys Bakhtiarov (State University “Kyiv Aviation Institute”, Kyiv, Ukraine)

Bohdan Chumachenko (State University “Kyiv Aviation Institute”, Kyiv, Ukraine)

Yuliia Burmak (State University “Kyiv Aviation Institute”, Kyiv, Ukraine)

Serhii Chumachenko (State University “Kyiv Aviation Institute”, Kyiv, Ukraine)

Oleksandr Lavrynenko (State University “Kyiv Aviation Institute”, Kyiv, Ukraine)

15:45

Determining the error distribution of BLE beacons at antenna near and far fields (Submission 79)

Anton Novytskyi (Borys Grinchenko Kyiv Metropolitan University, Kyiv, Ukraine)

Volodymyr Sokolov (Borys Grinchenko Kyiv Metropolitan University, Kyiv, Ukraine)

Larysa Kriuchkova (Borys Grinchenko Kyiv Metropolitan University, Kyiv, Ukraine)

Pavlo Skladannyi (Borys Grinchenko Kyiv Metropolitan University, Kyiv, Ukraine)

16:00

Selection of antenna elements for a radio emission source detection and tracking system (Submission 15)

Olga Shcherbyna (State University “Kyiv Aviation Institute”, Kyiv, Ukraine)
Fedir Katushonok (State University “Kyiv Aviation Institute”, Kyiv, Ukraine)
Oleksandr Zadorozhnyi (State University “Kyiv Aviation Institute”, Kyiv, Ukraine)
Myroslav Riabyi (State University “Kyiv Aviation Institute”, Kyiv, Ukraine)

16:15

Improving the method of monitoring the state of the website by detecting user interface vulnerabilities and browser errors (Submission 69)

Ihor Martyniuk (State Scientific and Research Institute of Cybersecurity Technologies and Information Protection, Kyiv, Ukraine)

Hanna Martyniuk (Mariupol State University, State Scientific and Research Institute of Cybersecurity Technologies and Information Protection, Kyiv, Ukraine)

Yaroslav Yevchenko (National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute”, Kyiv, Ukraine)

16:30

Can hacking be ethical: A legal review (Submission 17)

Valeriia Filinovych (State University “Kyiv Aviation Institute”, Kyiv, Ukraine)

Assel Mukasheva (Kazakh-British Technical University, Almaty, Kazakhstan)

16:45

SECURE project “Security Education Center for Unified Resilience and Effective Communications” (invited talk)

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

Workshop on Advanced Technologies in Cyber Resilience

June 21, 2025

Start at 10:00 (GMT+3)

State University “Kyiv Aviation Institute”, 3-108

Session 2.1 – Methods and systems of cyber resilience providing

Moderator – Sergiy Gnatyuk

10:00

AI-driven Security as Code for software development using multi-agent systems

Oleksandr Vakhula (Lviv Polytechnic National University, Lviv, Ukraine)

Ivan Opirskyy (Lviv Polytechnic National University, Lviv, Ukraine)

10:15

Modern approaches to cybersecurity requirements management for software implementation (Submission 67)

Sergiy Gnatyuk (State University “Kyiv Aviation Institute”, Kyiv, Ukraine)

Viktoriya Sydorenko (State University “Kyiv Aviation Institute”, Kyiv, Ukraine)

Artem Polozhentsev (State University “Kyiv Aviation Institute”, Kyiv, Ukraine)
Anatolii Skurativskiy (State University “Kyiv Aviation Institute”, Kyiv, Ukraine)
Kamila Kluczevska-Chmielarz (University of the National Education Commission, Krakow, Poland)
Gabit Shuitenov (Esil University, Astana, Kazakhstan)

10:30

Study of the system of the main functions of the shaker as a means of presenting and compressing sound information for wireless sensor networks (Submission 8)
Mykola Meleshko (Scientific Cyber Security Association of Ukraine, Kyiv, Ukraine)
Vadym Rakytskyi (Scientific Cyber Security Association of Ukraine, Kyiv, Ukraine)
Andriy Dudnik (Kyiv National Taras Shevchenko University, Kyiv, Ukraine, Interregional Academy of Personnel Management, Kyiv, Ukraine)
Andriy Fesenko (State Scientific and Research Institute of Cybersecurity Technologies and Information Protection, Kyiv, Ukraine)
Vitalijus Cernej (Interregional Academy of Personnel Management, Kyiv, Ukraine)
Vira Mykolaichuk (Kyiv National Taras Shevchenko University, Kyiv, Ukraine)

10:45

Adaptation technology of existing DSS using large language models (Submission 25)
Yevhenii Tolkachenko (Ivan Kozhedub Kharkiv National Air Force University, Kharkiv, Ukraine)
Artem Samokish (Ivan Kozhedub Kharkiv National Air Force University, Kharkiv, Ukraine)
Oleksandr Sychov (Ivan Kozhedub Kharkiv National Air Force University, Kharkiv, Ukraine)
Serhii Toliupa (Taras Shevchenko National University of Kyiv, 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)

11:00

A data protection coding method based on information theory and quantum technologies (Submission 71)
Rostislav Motsyk (Kamianets-Podilskiy Ivan Ohiienko National University, Kamianets-Podilskiy, Ukraine)
Serhii Toliupa (Taras Shevchenko National University of Kyiv, Kyiv, Ukraine)
Tetiana Pylypiuk (Kamianets-Podilskiy Ivan Ohiienko National University, Kamianets-Podilskiy, Ukraine)
Kateryna Heseleva (Kamianets-Podilskiy Ivan Ohiienko National University, Kamianets-Podilskiy, Ukraine)
Oleksiy Vovk (Ivan Kozhedub Kharkiv National Air Force University, Kharkiv, Ukraine)
Oleksandr Matviichuk-Yudin (National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute”, Kyiv, Ukraine)

11:15

Method of multilevel spectral processing of infrared images in bit planes

(Submission 73)

Volodymyr Barannik (V. N. Karazin Kharkiv National University, Kharkiv, Ukraine)

Anatolii Berchanov (V. N. Karazin Kharkiv National University, Kharkiv, Ukraine)

Oleksandr Kurlan (Kharkiv National University of Radio Electronics, Kharkiv, Ukraine)

Mykhailo Osovytskyi (Ivan Kozhedub Kharkiv National Air Force University, Kharkiv, Ukraine)

Pavlo Pertsev (V. N. Karazin Kharkiv National University, Kharkiv, Ukraine)

Rodion Prokopenko (V. N. Karazin Kharkiv National University, Kharkiv, Ukraine)

11:30

Technique for encoding clustered transformants in differentially-normalized space

(Submission 74)

Volodymyr Barannik (V. N. Karazin Kharkiv National University, Kharkiv, Ukraine)

Evgeniy Eliseev (Kharkiv National University of Radio Electronics, Kharkiv, Ukraine)

Kyrylo Revva (Kharkiv National University of Radio Electronics, Kharkiv, Ukraine)

Yurii Tsimura (Heroes of Kruty Military Institute of Telecommunications and Informatization, Kyiv, Ukraine)

Mykhailo Babenko (Dniprovsk State Technical University, Kamyanske, Ukraine)

Oleksandr Yudin (State Scientific and Research Institute of Cybersecurity Technologies and Information Protection, Kyiv, Ukraine)

Oleksii Yudin (State Scientific and Research Institute of Cybersecurity Technologies and Information Protection, Kyiv, Ukraine)

11:45

Justification of video data stream encoding methods for departmental

infocommunication networks (Submission 77)

Oleksandr Akimov (Interregional Academy of Personnel Management, Kyiv, Ukraine)

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

Marek Aleksander (Panstwowa Wyzsza Szkoła Zawodowa w Nowym Saczu, Nowy Sacz, Poland)

Mykola Dihtiar (Ivan Kozhedub Kharkiv National Air Force University, Kharkiv, Ukraine)

Pavlo Pertsev (Kharkiv National University of Radio Electronics, Kharkiv, Ukraine)

Valeriy Ralko (Ivan Kozhedub Kharkiv National Air Force University, Kharkiv, Ukraine)

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

Liudmyla Akimova (National University of Water and Environmental Engineering, Rivne, Ukraine)

June 21, 2025
Start at 12:30 (GMT+3)
State University “Kyiv Aviation Institute”, 3-108
Session 2.1 – Advanced technologies of critical infrastructure protection

Moderator – Roman Odarchenko

12:30

A research platform for vision-based UAV autonomy: Architecture and implementation (Submission 44)

Yurii Lukash (State University “Kyiv Aviation Institute”, Kyiv, Ukraine)

Pylyp Prystavka (State University “Kyiv Aviation Institute”, Kyiv, Ukraine)

12:45

Integration of NLP and ML in cloud infrastructure security (Submission 21)

Andrian Piskozub (Lviv Polytechnic National University, Lviv, Ukraine)

Aziz Abibulaiev (Lviv Polytechnic National University, Lviv, Ukraine)

13:00

AI-driven drones and airport cybersecurity: Legal challenges and international dimensions (Submission 13)

Kateryna Vodolaskova (University of Cologne, Cologne, Germany)

Yuliia Polishchuk (State University “Kyiv Aviation Institute”, Kyiv, Ukraine)

Svitlana Holovko (State University “Kyiv Aviation Institute”, Kyiv, Ukraine)

Olena Makeieva (State University “Kyiv Aviation Institute”, Kyiv, Ukraine)

Viktoriya Cherevatiuk (State University “Kyiv Aviation Institute”, Kyiv, Ukraine)

13:15

Components of ensuring secure infrastructure for environmental monitoring systems using the LwM2M protocol (Submission 6)

Kyrylo Vadurin (Kremenchuk Mykhailo Ostrohradskyi National University, Kremenchuk, Ukraine)

Andrii Perekrst (Kremenchuk Mykhailo Ostrohradskyi National University, Kremenchuk, Ukraine)

Dmytro Mamchur (Kremenchuk Mykhailo Ostrohradskyi National University, Kremenchuk, Ukraine)

Serhii Vladov (Kharkiv National University of Internal Affairs, Kharkiv, Ukraine)

13:30

Ecolinguistic characteristics of virtual communication (based on Social Media Platforms). Information, consciousness, and the digital age: An interdisciplinary discourse (Submission 18)

Nataliia Khaidari (Scientific Cyber Security Association of Ukraine, Kyiv, Ukraine)

Jamil Al-Azzeh (Al Balqa Applied University, Al-Salt, Jordan)

Olena Kovtun (Scientific Cyber Security Association of Ukraine, Kyiv, Ukraine)

Nataliia Melnyk (Scientific Cyber Security Association of Ukraine, Kyiv, Ukraine)

Alla Bohush (South Ukrainian National Pedagogical University named after K.D. Ushynsky, Ukraine)

13:45

Artificial intelligence in higher education: Opportunities and risks for student research (Submission 26)

Anastasiia Sibruk (Scientific Cyber Security Association of Ukraine, Kyiv, Ukraine)

Oksana Prykhodko (Scientific Cyber Security Association of Ukraine, Kyiv, Ukraine)

Bakhytzhhan Akhmetov (Abai Kazakh National Pedagogical University, Almaty, Kazakhstan)

Sergii Cheripko (Scientific Cyber Security Association of Ukraine, Kyiv, Ukraine)

Viktor Sibruk (Scientific Cyber Security Association of Ukraine, Kyiv, Ukraine)

Chrystyna Dybik (Scientific Cyber Security Association of Ukraine, Kyiv, Ukraine)

Hanna Onufriychuk (Scientific Cyber Security Association of Ukraine, Kyiv, Ukraine)

14:00

Adaptive route formation in dynamic networks using genetic and differential evolution techniques (Submission 48)

Stanislava Kudrenko (State University "Kyiv Aviation Institute", Kyiv, Ukraine)

Anna Stoliar (State University "Kyiv Aviation Institute", Kyiv, Ukraine)

Vitalii Alkema (State University "Kyiv Aviation Institute", Kyiv, Ukraine)

Valerii Kozlovskiy (State University "Kyiv Aviation Institute", Kyiv, Ukraine)

Diana Kozlovska (State University "Kyiv Aviation Institute", Kyiv, Ukraine)

14:15

Development of soil protection technologies in the zone of influence of airport infrastructure (Submission 63)

Larysa Cherniak (Scientific and Educational Center "Ecobiosafety", Kyiv, Ukraine)

Tetiana Smirnova (Central Ukrainian National Technical University, Kropyvnytskyi, Ukraine)

Tetiana Dmytrukha (Scientific and Educational Center "Ecobiosafety", Kyiv, Ukraine)

Ilona Mykhailiuk (Scientific and Educational Center "Ecobiosafety", Kyiv, Ukraine)

Oksana Tykhenko (Scientific and Educational Center "Ecobiosafety", Kyiv, Ukraine)

Valentyna Petrusenko (Scientific and Educational Center "Ecobiosafety", Kyiv, Ukraine)

14:30

Mathematical models for effluent bioremediation to improve environmental safety of wastewater infrastructure (Submission 37)

Lesia Pavliukh (Scientific and Educational Center "Ecobiosafety", Kyiv, Ukraine)

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

Victor Repeta (Scientific and Educational Center "Ecobiosafety", Kyiv, Ukraine)

Workshop on Conflict Management in Global Information Networks

June 21, 2025

Start at 15:00 (GMT+3)

State University “Kyiv Aviation Institute”, 3-108

Session 3.1 – Secure digital content processing for modern applications

Moderator – Sergiy Gnatyuk

15:00

Lifelong VAEGAN for inpainting of damaged image regions (Submission 31)

Viktor Sineglazov (National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute”, Kyiv, Ukraine)

Yehor Khomik (National Technical University of Ukraine “Igor Sikorsky Kyiv Polytechnic Institute”, Kyiv, Ukraine)

15:15

Method for measuring torques of electric motors using machine vision (Submission 23)

Andriy Dudnik (Kyiv National Taras Shevchenko University, Kyiv, Ukraine, Interregional Academy of Personnel Management, Kyiv, Ukraine)

Dmytro Kvashuk (Interregional Academy of Personnel Management, Kyiv, Ukraine)

Vitalii Ostapenko (Open University of Human Development “Ukraine”, Kyiv, Ukraine)

Maksym Zhdanovych (Interregional Academy of Personnel Management, Kyiv, Ukraine)

Nazarii Lytvyn (Interregional Academy of Personnel Management, Kyiv, Ukraine)

Vira Mykolaichuk (Kyiv National Taras Shevchenko University, Kyiv, Ukraine)

15:30

Improving FaceNet performance using optimized Triplet Loss functions and advanced data augmentation techniques (Submission 23)

Nazarii Dzhaliuk (Lviv Polytechnic National University, Lviv, Ukraine)

Volodymyr Khoma (Lviv Polytechnic National University, Lviv, Ukraine)

Yaroslava Momryk (Lviv Polytechnic National University, Lviv, Ukraine)

Dmytro Sabodashko (Opole University of Technology, Opole, Poland)

15:45

Comparison of expert and algorithmic analysis of efficiency evaluation of inventory management systems (Submission 55)

Dmytro Yanovsky (Zhytomyr Polytechnic State University, Zhytomyr, Ukraine)

Maryna Graf (Zhytomyr Polytechnic State University, Zhytomyr, Ukraine)

Volodymyr Kvasnikov (Zhytomyr Polytechnic State University, Zhytomyr, Ukraine)

16:00

An intelligent smart home management system: a comprehensive approach to ensuring residential security (Submission 65)

Serhii Otrokh (National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute", Kyiv, Ukraine)

Valentyna Danylchenko (State University of Telecommunications and Information Technologies, Kyiv, Ukraine)

Anhelina Zablovska (National Technical University of Ukraine "Igor Sikorsky Kyiv Polytechnic Institute", Kyiv, Ukraine)

Sergii Gnatiuk (State Scientific and Research Institute of Cybersecurity Technologies and Information Protection, Kyiv, Ukraine)

Agnieszka Gajewska (University of the National Education Commission, Krakow, Poland)

16:15

Generation techniques for realistic landscape informational models in immersive systems (Submission 78)

Oleksandr Stanislaviv (Kamianets-Podilskyi Ivan Ohiienko National University, Kamianets-Podilskyi, Ukraine)

Oleksii Zholtovskiy (Kamianets-Podilskyi Ivan Ohiienko National University, Kamianets-Podilskyi, Ukraine)

Olena Smalko (Kamianets-Podilskyi Ivan Ohiienko National University, Kamianets-Podilskyi, Ukraine)

Bakhytzhan Akhmetov (Abai Kazakh National Pedagogical University, Almaty, Kazakhstan)

June 21, 2025

Start at 16:45 (GMT+3)

State University "Kyiv Aviation Institute", 3-108

Session 3.2 – Economic security management

Moderator – Maksym Zaliskyi

16:45

Cybersecurity as a catalyst for digital transformation and economic development: a fuzzy system dynamics approach (Submission 36)

Nataliia Kasianova (International Educators and Scholars Foundation, Kyiv, Ukraine)

Berik Akhmetov (Yessenov University, Aktau, Kazakhstan)

Serhii Koverha (SHEI "Donbas State Pedagogical University", Dnipro, Ukraine)

Oleksandr Vovna (Taras Shevchenko National University of Kyiv, Kyiv, Ukraine)

Anna Maryna (Taras Shevchenko National University of Kyiv, Kyiv, Ukraine)

Yaroslav Krutohorskyi (SHEI "Donbas State Pedagogical University", Dnipro, Ukraine)

17:00

Modelling macroeconomic security in the national security system of the state in the context of increasing threats and negative challenges (Submission 40)

Olena Arefieva (Academy of Economic Science of Ukraine, Kyiv, Ukraine)

Samira Piletska (Academy of Economic Science of Ukraine, Kyiv, Ukraine)

Nurgul Seilova (Kazakh National Research Technical University named after K.I.

Satpayev, Almaty, Kazakhstan, International Information Technology University, Almaty, Kazakhstan)

Tetiana Simkova (Academy of Economic Science of Ukraine, Kyiv, Ukraine)

17:15

Matrix-vector approach to assessing the competitiveness of logistics enterprises in the context of economic security and information risks (Submission 5)

Svitlana Smerichevska (State University "Kyiv Aviation Institute", Kyiv, Ukraine)

Larisa Ivanenko (State University "Kyiv Aviation Institute", Kyiv, Ukraine)

Zarina Poberezhna (State University "Kyiv Aviation Institute", Kyiv, Ukraine)

Serhii Smerichevskiy (State University "Kyiv Aviation Institute", Kyiv, Ukraine)

Tetiana Konrad (University of the National Education Commission, Krakow, Poland)

Dmytro Dudko (State University "Kyiv Aviation Institute", Kyiv, Ukraine)

17:30

Evaluating the effects of digitalization on the financial security of the corporate sector: multivariate econometric analysis (Submission 7)

Yuliia Kovalenko (State University "Kyiv Aviation Institute", Kyiv, Ukraine)

Sergii Krynytsia (State University "Kyiv Aviation Institute", Kyiv, Ukraine)

Alina Osipchuk (State University "Kyiv Aviation Institute", Kyiv, Ukraine)

Tetiana Koliada (State University "Kyiv Aviation Institute", Kyiv, Ukraine)

Alla Ivashchenko (Kyiv National Economic University named after Vadym Hetman, Kyiv, Ukraine)

Volodymyr Osmyatchenko (State University of Information and Communication Technologies, Kyiv, Ukraine)

17:45

Risks of investing in FinTech at the global and national levels (Submission 64)

Lesya Pobochenko (International NGO Carpathian Platform, Bratislava, Slovak Republic)

Alina Prokopieva (International NGO Carpathian Platform, Bratislava, Slovak Republic)

Oksana Zhyharevych (Lesya Ukrainka Volyn National University, Lutsk, Ukraine)

Oleksandr Gavrylko (International NGO Carpathian Platform, Bratislava, Slovak Republic)

German Panikar (International NGO Carpathian Platform, Bratislava, Slovak Republic)

Tetiana Gavrilko (International NGO Carpathian Platform, Bratislava, Slovak Republic)

June 22, 2025

Start at 10:00 (GMT+3)

Online session – <https://meet.google.com/otq-jktf-ufu>

Session 3.3 – Cyber education, diplomacy, and regulation

Moderator – Tetiana Okhrimenko

10:00

Development of information security policy for distance education services using risk assessment method (Submission 51)

Orest Polotai (Lviv Polytechnic National University, Lviv, Ukraine)

Bohdana Polotai (Lviv Polytechnic National University, Lviv, Ukraine)

Oleh Harasymchuk (Lviv Polytechnic National University, Lviv, Ukraine)

Andriy Ivanusa (Lviv Polytechnic National University, Lviv, Ukraine)

10:15

Mathematical model of legal regulation of the spread of information influences in social networks (Submission 38)

Oleksandr Tkachenko (State University “Kyiv Aviation Institute”, Kyiv, Ukraine,

Central Ukrainian National Technical University, Kropyvnytskyi, Ukraine)

Anna Ilyenko (State University “Kyiv Aviation Institute”, Kyiv, Ukraine)

Yelyzaveta Meleshko (Central Ukrainian National Technical University, Kropyvnytskyi, Ukraine)

Oleksandr Ulichev (Central Ukrainian National Technical University, Kropyvnytskyi, Ukraine)

Henryk Noga (University of the National Education Commission, Krakow, Poland)

10:30

A linguistic review of cyberspace translation errors (Submission 16)

Alla Sitko (Scientific Cyber Security Association of Ukraine, Kyiv, Ukraine)

Olha Lyntvar (Scientific Cyber Security Association of Ukraine, Kyiv, Ukraine)

Lidiia Tereshchenko (Scientific Cyber Security Association of Ukraine, Kyiv, Ukraine)

Tetiana Semyhinivska (Scientific Cyber Security Association of Ukraine, Kyiv, Ukraine)

Iryna Struk (Scientific Cyber Security Association of Ukraine, Kyiv, Ukraine)

Yuliia Kondratenko (Scientific Cyber Security Association of Ukraine, Kyiv, Ukraine)

10:45

An incremental model for professional language training in a digital educational environment. Information, Consciousness, and the Digital Age: An Interdisciplinary Discourse (Submission 47)

Yuliia Pryshupa (Scientific Cyber Security Association of Ukraine, Kyiv, Ukraine)

Hanna Martyniuk (Mariupol State University, State Scientific and Research Institute of Cybersecurity Technologies and Information Protection, Kyiv, Ukraine)

Lesia Konoplianyk (Scientific Cyber Security Association of Ukraine, Kyiv, Ukraine)

Anzhelika Kokarjeva (Scientific Cyber Security Association of Ukraine, Kyiv, Ukraine)

11:00

The role of innovation in ensuring the safety of international civil aviation
(Submission 19)

Liudmyla Chulinda (Union of Lawyers of Ukraine, Kyiv, Ukraine)

Oleksii Smirnov (Central Ukrainian National Technical University, Kropyvnytskyi, Ukraine)

Liudmyla Shapenko (Union of Lawyers of Ukraine, Kyiv, Ukraine)

Iryna Ustynova (Union of Lawyers of Ukraine, Kyiv, Ukraine)

Iryna Bohatiuk (Union of Lawyers of Ukraine, Kyiv, Ukraine)

Svitlana Kelyp (Union of Lawyers of Ukraine, Kyiv, Ukraine)

11:15

Technical implementation of a visual novel as a tool for gamification of learning in accordance with cyber hygiene requirements (Submission 50)

Oleksandr Bobarchuk (State University "Kyiv Aviation Institute", Kyiv, Ukraine)

Andrii Tolbatov (State University "Kyiv Aviation Institute", Kyiv, Ukraine)

Olena Matviichuk-Yudina (State University "Kyiv Aviation Institute", Kyiv, Ukraine)

Natalia Boltivets (State University "Kyiv Aviation Institute", Kyiv, Ukraine)

11:30

Integration of digital technologies in oral teaching: Opportunities and challenges for the development of interactional competence (Submission 81)

Hafida Boufnichel (Faculty of Languages, Literature and Arts, Ibn Tofail University, Kenitra, Morocco)

Khadija Slimani (esieaLab LDR, Higher School of Computer Science, Electronics and Automation, Paris, France)

11:45

The consolidation of contemporary communities for the principles of sustainable development and conditions of the local agenda (Submission 28)

Oleksii Tretiak (Oles Honchar Dnipro National University, Dnipro, Ukraine)

Tetiana Smirnova (Central Ukrainian National Technical University, Kropyvnytskyi, Ukraine)

Oleh Batrymenko (Taras Shevchenko National University of Kyiv, Kyiv, Ukraine)

Artem Khmelnykov (University of Customs and Finance of Ukraine, Dnipro, Ukraine)

12:00

Phenomenology of countering corruption risks in cyberspace: international legal and socio-political aspects (Submission 46)

Maryna Stryhul (Sociological Association of Ukraine, Kharkiv, Ukraine)

Tetyana Okhrimenko (Scientific Cyber Security Association of Ukraine, Kyiv, Ukraine)

Mykola Nediukha (Sociological Association of Ukraine, Kharkiv, Ukraine)

Yurii Voloshyn (European Public Law Organization, Athens, Greece)

June 22, 2025

Start at 12:30 (GMT+3)

Online session – Closing ceremony

<https://meet.google.com/hfk-pgxu-hsg>

12:30

Closing ceremony

Sergiy Gnatyuk (State University “Kyiv Aviation Institute”, Kyiv, Ukraine)

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