

# Preface: Cyber hygiene and conflict management in global information networks

Sergiy Gnatyuk<sup>1,†</sup>, Maksim Iavich<sup>2,†</sup>, Roman Odarchenko<sup>1,†</sup>, Audrius Lopata<sup>3,†</sup> and Maksym Zaliskyi<sup>1,\*,†</sup>

<sup>1</sup>State University "Kyiv Aviation Institute", Liubomyra Huzara Ave., 1, Kyiv, 03058, Ukraine

<sup>2</sup>Caucasus University, Paata Saakadze Str., 1, Tbilisi, 0102, Georgia

<sup>3</sup>Kaunas University of Technology, Studentu Str., 50, Kaunas, LT-51368, Lithuania

## Abstract

This document is the preface of the Fourth International Conference on Cyber Hygiene & Conflict Management in Global Information Networks (CH&CMiGIN'25), June 20–22, 2025, held at the State University "Kyiv Aviation Institute", Kyiv, Ukraine.

## Keywords

computer science, data analytics, cyber security, conflict management, information networks, data processing, software, cyber resilience

## 1. Introduction

The Fourth International Conference on Cyber Hygiene & Conflict Management in Global Information Networks (CH&CMiGIN'25) took place on June 20–22, 2025, at the State University "Kyiv Aviation Institute" (Kyiv, Ukraine).

CH&CMiGIN'25 is intended to attract researchers with a strong background in the field of on security and privacy of critical applications, information and communication technologies infrastructures and systems, management of cyber incidents, warfare and conflicts, and social engineering and identity theft protection techniques.

The conference would not have been possible without the support of many people. First of all, we would like to thank the program and organization staff, the members of the Technical Program Committees, and external reviewers for their excellent and tireless work. We sincerely wish that all attendees benefited scientifically from the workshop and wish them every success in their research. It is the humble wish of the workshop organizers that the professional dialogue among the researchers, scientists, engineers, and doctors continues beyond the event and that the friendships and collaborations forged will linger and prosper for many years to come.

The CH&CMiGIN'25 conference consisted of three workshops:

- Workshop on Cyber Hygiene.
- Workshop on Advanced Technologies in Cyber Resilience.
- Workshop on Conflict Management in Global Information Networks.

The main topics of these Workshops include:

- Management of Cyber Incidents, Warfare and Conflicts.

*CH&CMiGIN'25: Fourth International Conference on Cyber Hygiene & Conflict Management in Global Information Networks, June 20–22, 2025, Kyiv, Ukraine*

\*Corresponding author.

†These authors contributed equally.

✉ s.gnatyuk@kai.edu.ua (S. Gnatyuk); miavich@cu.edu.ge (M. Iavich); roman.odarchenko@npp.kai.edu.ua (R. Odarchenko); audrius.lopata@ktu.lt (A. Lopata); maximus2812@ukr.net (M. Zaliskyi)

ORCID 0000-0003-4992-0564 (S. Gnatyuk); 0000-0002-3109-7971 (M. Iavich); 0000-0002-7130-1375 (R. Odarchenko); 0000-0003-2302-8252 (A. Lopata); 0000-0002-1535-4384 (M. Zaliskyi)



© 2025 Copyright for this paper by its authors. Use permitted under Creative Commons License Attribution 4.0 International (CC BY 4.0).

- 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.

The CH&CMiGIN'25 was in a hybrid format. Most of papers were presented the State University "Kyiv Aviation Institute". However, due to the war in Ukraine, participants from places with a high risk of missile attacks and foreign countries are invited to participate in a virtual format. Participants from Ukraine, Georgia, Kazakhstan, Jordan, Poland, Lithuania, Germany, France, Greece, Slovak Republic, and Morocco joined the conference.

CH&CMiGIN'25 collaborate scientist and industry professionals in the field of cyber security, data processing, information technology, telecommunications, and others. The workshop took the form of oral presentations of peer-reviewed regular and short papers.

CH&CMiGIN'25 received 81 submissions in total. All papers were reviewed by two reviewers. Out of these, 53 papers were accepted for this volume, 37 as regular papers and 16 as short papers.

Workshops on Cyber Hygiene contained two sessions:

- Session 1.1: Secure networks and threat intelligence.
- Session 1.2: Modern information and communication technologies (Figure 1).

Workshop on Advanced Technologies in Cyber Resilience contained two sessions:

- Session 2.1: Methods and systems of cyber resilience providing.
- Session 2.2: Advanced technologies of critical infrastructure protection.

Workshop on Conflict Management in Global Information Networks contained two sessions:

- Session 3.1: Secure digital content processing for modern applications.
- Session 3.2: Economic security management.
- Session 3.3: Cyber education, diplomacy, and regulation

As part of the conference, a high-level roundtable discussion titled "Problems of Ensuring and Enhancing the Cybersecurity of the State in Times of War" was conducted. This discussion was organized under Erasmus+ project "Security Education Center for Unified Resilience and Effective Communications" (SECURE). The moderator of this session was Roman Odarchenko, who is national coordinator in Ukraine of SECURE project (Figure 2). The session gathered government officials, cybersecurity experts, and representatives from academia and international organizations to address critical challenges facing national cyber defense during ongoing military conflict. The SECURE Erasmus+ project was prominently represented during the conference, continuing its mission of advancing cyber hygiene education, international cooperation, and capacity-building across Europe and beyond.

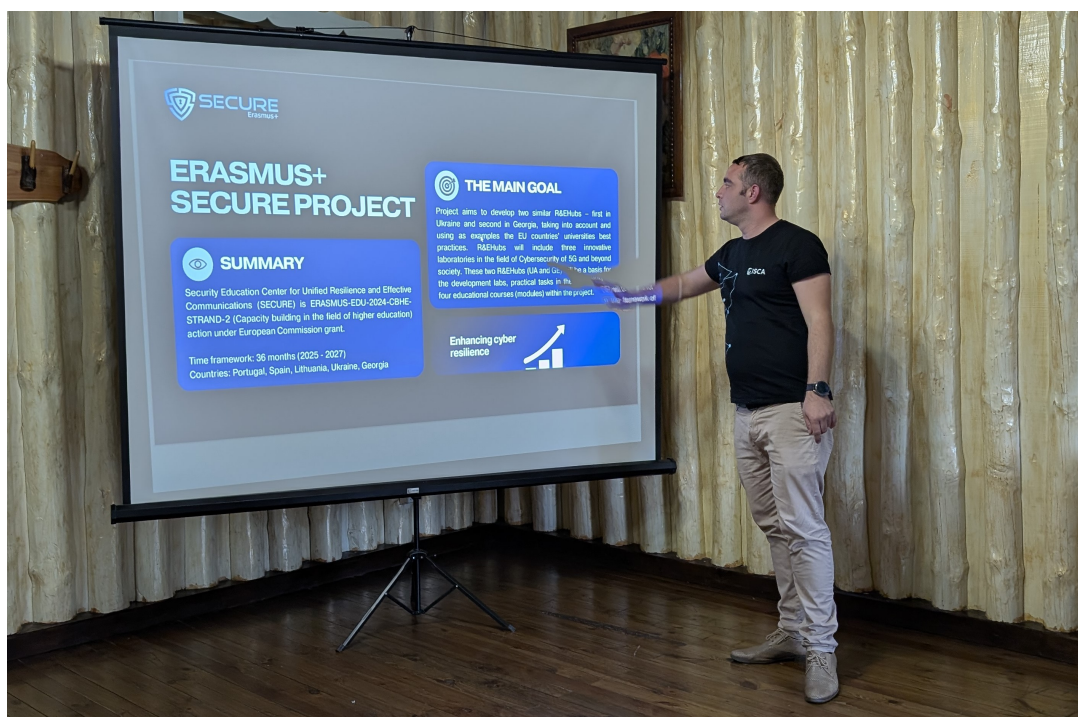
All our team invites you to visit the CH&CMiGIN'25 conference website <https://cyberconf.fccpi.nau.edu.ua> where you can find all the relevant information about this event.

The materials of previous CH&CMiGIN conferences were published in CEUR Workshop Proceedings:

- Volume 3925, URL: <https://ceur-ws.org/Vol-3925/>
- Volume 3530, URL: <https://ceur-ws.org/Vol-3530/>
- Volume 2654, URL: <https://ceur-ws.org/Vol-2654/>
- Volume 2588, URL: <https://ceur-ws.org/Vol-2588/>



**Figure 1:** Participants of Session 1.2 of Workshop on Cyber Hygiene.



**Figure 2:** Presentation of SECURE project.

## 2. Acknowledgments

CH&CMiGIN'25 would not been possible without the support of the State University “Kyiv Aviation Institute”, Ukraine ([www.nau.edu.ua](http://www.nau.edu.ua)) and CEUR Workshop Proceedings team ([ceur-ws.org](http://ceur-ws.org)). Organizers and all participants of the Fourth International Conference on Cyber Hygiene & Conflict Management in Global Information Networks express a lot of thanks.

## **Program Committee**

- Gevorg Margarov, State Engineering University of Armenia (Armenia)
- Thierry Oscar Edo, University of Bonn, Technical University of Munich (Germany)
- Marek Aleksander, State Higher Vocational School in Nowy Sacz (Poland)
- Anoop Kumar Sahu, Engineering Management University of Johannesburg (South Africa)
- Santosh Kumar Behera, Sidho-Kanho-Birsha University (India)
- Lidia Oliveira, University of Aveiro (Portugal)
- Yuriy Syerov, Lviv Polytechnic National University (Ukraine)
- Irfan Ahmed, Career Point University KOTA (India)
- Tetiana Okhrimenko, Scientific Cyber Security Association of Ukraine (Ukraine)
- Vishnu Narayan Mishra, Indira Gandhi National Tribal University (India)
- Natalia Shakhovska, Lviv Polytechnic National University (Ukraine)
- Haruna Chiroma, University of Hafr Al Batin (Saudi Arabia)
- Jugoslav Achkoski, Military Academy (North Macedonia)
- Zhengbing Hu, University of Bonn, Central China Normal University (China)
- Jamil Al-Azzeh, Al Balqa Applied University (Jordan)

## **Declaration on Generative AI**

The authors have not employed any Generative AI tools.