

THE INTERNATIONAL CONFERENCE



CyberCon Romania

Shaping a secure digital future together

HIGHLIGHTS

2025 EDITION

ORGANIZED BY



Romanian Association
for **Information Security Assurance**



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Key Takeaways



International Recognition

CyberCon Romania is the only regional conference to receive the prestigious **Cyber Outstanding Security Performance Award (Cyber OSPA)** – a global mark of excellence in cybersecurity.



Prestigious Venue

The conference was hosted at the **Representation of the European Commission in Romania**, an EU hub for dialogue, exchanging ideas, and sharing best practices.



Insightful Engagement

The conference offered **in-depth discussions** on various cybersecurity topics, ensuring a rich and engaging experience.



Diverse and High-Level Audience

Participants came from the **military, law enforcement, public sector, private companies, and academia**, encouraging valuable cross-sector dialogue.



Leading Voices in Cybersecurity

Distinguished **keynote speakers** and **20 expert presenters** shared forward-thinking insights, real case studies, and global best practices.



Strong Institutional Backing

Supported by valued **partners from academia and institutions**, the conference promoted broad engagement and trust.



Scientific Component

The conference included the **International Conference on Cybersecurity and Cybercrime (IC3)**, an annual scientific conference organized by the Romanian Association for Information Security Assurance.



Scientific Papers

The conference featured **14 research papers** that contributed to the **growth and innovation** of the cybersecurity field.

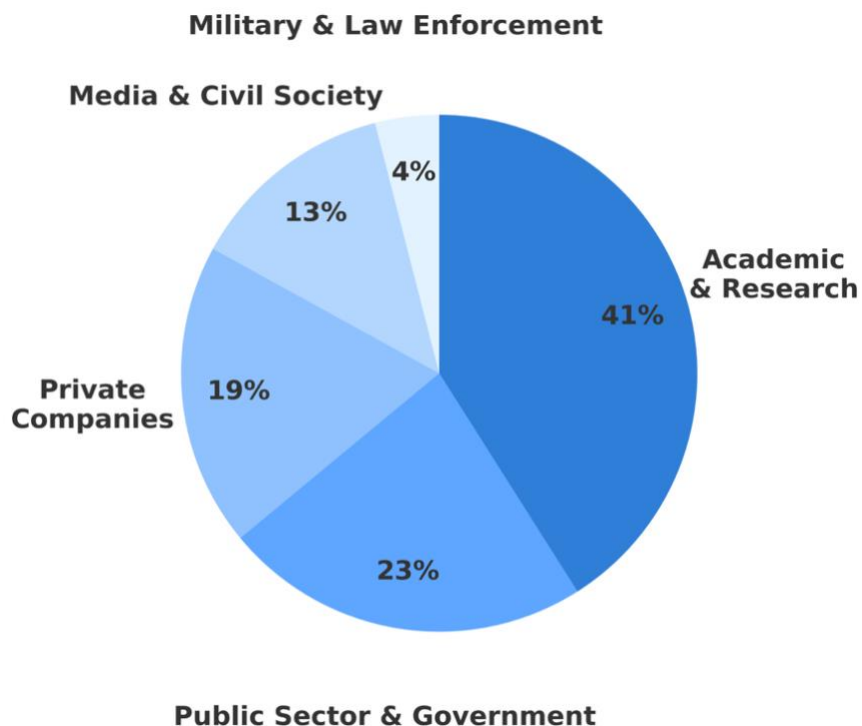


Key Figures

CyberCon Romania 2025 by the numbers:

- 🎤 **20 expert speakers** and keynote guests.
- 🏛️ **18 educational partners.**
- 👥 **90 participants.**
- 🎓 **IC3 – the scientific core** of CyberCon Romania.
- 📖 **14 scientific papers** presented and published in [IC3 proceedings](#).
- 🌐 **17 authors** contributed to IC3 [Vol. XII, Year 2025](#).

2025 audience breakdown by sector:





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Conference Opening

Keynote speakers



Ioan C. BACIVAROV

President

Romanian Association for Information
Security Assurance



Roxana MOREA

Advisor

Representation of the European
Commission in Romania





SECTION I

Skills for the Future: Cybersecurity Through Education and Innovation

MODERATOR



Gabriela MATEI

Expert

Euro-Atlantic Resilience Centre in
Romania (E-ARC)



CONSTANTIN MARIAN

Professor

National University of Science and
Technology POLITEHNICA Bucharest



Dănuț TURCU

Head of Department

"Carol I" National Defense University
(UNAP)



Carmen CÎRNU

Scientific Director

National Institute for R&D in Informatics
- ICI Bucharest



Claudia Nicolae

General Director

National News Agency AGERPRES



Emanuela SAVU

General Director

Romanian Banking Institute



Dan-George DRĂGHIA

Expert

European Institute of Romania



SECTION I

Skills for the Future: Cybersecurity Through Education and Innovation



Key themes discussed:

- Building **digital and cybersecurity skills** through continuous education.
- Embedding **cybersecurity in curricula** to reduce the talent gap.
- Using **innovation and emerging technologies** to enhance defense capabilities.
- Strengthening **multi-stakeholder collaboration** for skill development.
- Encouraging **lifelong learning** to stay aligned with evolving threats.



SECTION II

Public-Private Partnerships for Strengthening Cybersecurity

MODERATOR



Costel CIUCHI

Associate Professor

National University of Science and
Technology POLITEHNICA Bucharest



Ionuț STOICA

Programme Officer

European Cybersecurity Competence Centre (ECCC)



Nicolae IANCU

Vice-President

Maritime Cyber Security Centre of Excellence



Radu PUCHIU

Technology & Society Program Director
Aspen Institute, Romania



Eliza VAS

Head of Studies Unit
European Institute of Romania



SECTION II

Public-Private Partnerships for Strengthening Cybersecurity



Key themes discussed:

- Improving **public-private threat intelligence sharing**.
- Enabling **coordinated incident response** across sectors.
- Harmonizing **security standards and compliance** efforts.
- Driving **joint innovation** to counter emerging risks.
- Strengthening **trust-based collaboration** for greater resilience.



SECTION III

Next-Gen Security: AI-Driven Defence Against Cybercrime

MODERATOR



Cătălin PĂTRAȘCU

Cybersecurity Lead
NTT DATA Romania



Răzvan BOLOGA

Professor
Bucharest University of Economic Studies



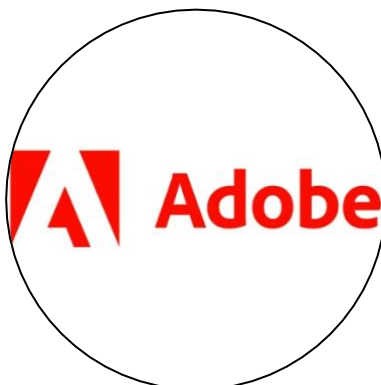
Andrei-Nițu ECXARCU

System Engineer Manager
Exclusive Networks Romania



Viorel SPÎNU

Senior AI Engineer
Heyloo



Claudiu IONESCU

Senior Manager
EMEA Adobe Cyber Defense Center



Iulian COMAN

Senior Training Officer
National College for Home Affairs



SECTION III

Next-Gen Security: AI-Driven Defence Against Cybercrime



Key themes discussed:

- Leveraging **AI-powered threat detection** for faster response.
- Automating **security operations** to reduce human workload and errors.
- Using **predictive analytics** to identify risks before attacks occur.
- Enhancing **fraud prevention** through machine learning models.
- Addressing **ethical and privacy concerns** in AI-driven defence.



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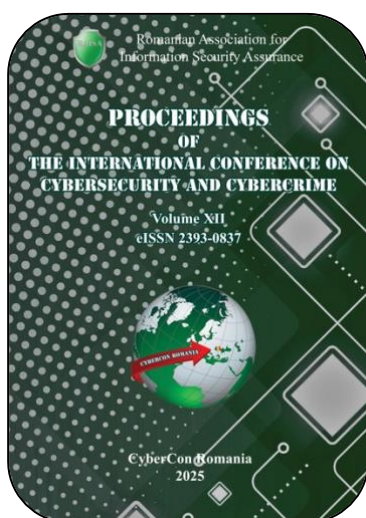
International Conference on Cybersecurity and Cybercrime (IC3)

The Scientific Core of CyberCon Romania



THE INTERNATIONAL CONFERENCE ON CYBERSECURITY AND CYBERCRIME

CyberCon Romania includes the **International Conference on Cybersecurity and Cybercrime (IC3)**, an annual scientific conference that aims to encourage the exchange of ideas about the evolution of cyberspace, information security challenges and new facets of the phenomenon of cybercrime. The event started in 2014 as an initiative to provide the appropriate framework for students to present their research in this field.



Proceedings of the International Conference on Cybersecurity and Cybercrime (IC3)

Volume XII, Year 2025

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Published: 2025-11-21

Website: <https://proceedings.cybercon.ro>

The **IC3 2025 Proceedings** include **14 scientific papers** reviewed by the esteemed Scientific Committee, comprising globally renowned academic figures. The complete collection of papers can be accessed online at: <https://proceedings.cybercon.ro/index.php/ic3/issue/view/year-2025>.

The conference proceedings are Open Access and indexed in international databases like *EBSCOhost*, *Central and Eastern European Online Library (CEEOL)*, and *Google Scholar*. In addition, permanent links to the published papers are maintained using the *Digital Object Identifier (DOI)* system by *CrossRef*.



International Conference on Cybersecurity and Cybercrime (IC3)

Ioan C. BACIVAROV

CyberCon Romania 2025 Welcome Message

Ștefan-Gabriel DASCĂLU, Marius-Andrei OROȘANU

The Fight Against Terrorism in the Digital Era: Policing Perspectives,
Legislative References, and Cybercrime Dimensions

Bianca-Ștefania VĂDUVA

AI-Assisted Anomaly Detection for Cybersecurity in IMS Core Networks:
A KPI-Driven Study Based on Real-World Telecom Data

Ana-Maria NEGREI, Delia-Ioana LEPĂDATU, Gabriel PETRICĂ

Software System for Increasing Security in Telecommunications Networks

Eduard-Ștefan SANDU

Trust Abuse in the Underbelly of Critical Infrastructure Operations

Constantin-Alin COPACI, Ioan C. BACIVAROV

Enhancing the Security of High-Responsibility Information Systems Through Fault Tree Modeling

Daniela NAIPEANU

Securing the Future: Cybersecurity Challenges in Wearable Devices

Mihai OLTEANU

Public Attribution in Cyberspace: Symbolic Gesture or Strategic Weapon?

Adelaida STĂNCIULESCU

The Web Ecosystem Between Vulnerability and Resilience: The Case of polyfill.io

Andreea BENCHEA

Enhancing 5G Infrastructure to Withstand Emerging Digital Threats

Marius-Andrei OROȘANU

Law Enforcement Cooperation in the Prevention and Countering of Disinformation

Constantin-Alin COPACI, Dorina-Luminița COPACI

Communication Security in Computer Networks: Encryption Methods and Performance Evaluation

Andrei MOCANU

Border Control Entry-Exit System – the New Way of Secure Travelling

Adelaida STĂNCIULESCU, Ioan BACIVAROV

Deliberate Loading of a Global Polyfill: Compromise Simulation and OSINT Analysis

Dragoș-Ionuț IONESCU

Generative AI Applications in Cybersecurity and Cybercrime



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Educational Partners



Euro-Atlantic
Resilience Centre



National Institute for
Research & Development
in Informatics - ICI



Romanian
Banking Institute



European
Institute of Romania



Institute of Financial
Studies



National University of
Science and Technology
POLITEHNICA Bucharest



"Alexandru Ioan Cuza"
Police Academy



"Carol I" National Defence
University



West University of
Timisoara



Babeș-Bolyai University



Constanta Maritime
University



Maritime Cybersecurity
Centre of Excellence



Romanian-American
University



Romania - Israel
Chamber of Commerce
and Industry



British Romanian
Chamber of Commerce



ISACA - Romania Chapter



CIO Council Romania



Cloud Security Alliance
Romanian Chapter

Looking Ahead to the Next **CyberCon Romania**



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Join us for the next edition of **CyberCon Romania**, where **leaders, experts, and innovators** will shape the future of cybersecurity.

 **Stay tuned** for the next edition

 **Opportunities** for speakers, partners, and [sponsors](#)

 **Visit:** www.cybercon.ro

Romanian Association for Information Security Assurance (RAISA)

<https://www.raisa.org>