1st International Research Conference of the Baltic Cybersecurity Innovation Forum

3 – 5 December 2024
Riga, Latvia

Call for papers

Overview

The 1st International Research Conference of the Baltic Cybersecurity Innovation Forum invites scholars, industry experts, and cybersecurity practitioners from around the globe to submit their research findings and share insights in Riga, Latvia. This inaugural event aims to serve as a premier platform for discussing comprehensive and multidisciplinary cybersecurity research. It will facilitate knowledge exchange among researchers, practitioners, and educators, focusing on innovative solutions, rigorous analyses, and future trends in cybersecurity. The conference seeks to bridge theoretical approaches and practical real-world applications, encouraging submissions that address both current challenges and anticipate future trends. It will also feature discussions on developing collaborative initiatives and strategies to enhance cybersecurity resilience and capacity building within the region and beyond.

Conference Themes

The conference welcomes a breadth of topics and particularly encourages submissions focusing on:

Theme	Topics
1. Cybersecurity Threats and Vulnerability Assessment	– Advanced persistent threats (APTs) – Emerging malware and ransomware tactics – Vulnerability scanning and penetration testing techniques – Risk management frameworks and methodologies
2. Cryptography and Data Protection	– Innovations in encryption and decryption technologies – Blockchain and its applications in secure communications – Data integrity protocols – Secure key management and cryptographic access control
3. AI and Machine Learning in Cybersecurity	– AI-driven threat detection and response – Machine learning models for predicting security incidents – Ethical considerations in AI-based security systems – Automation in security protocols using AI
4. Cyber-physical Systems Security	– Security challenges in Internet of Things (IoT) environments – Protecting industrial control systems and infrastructure – Security in smart cities and connected devices – Defence strategies against physical tampering
5. Privacy-enhancing Technologies	– Techniques for ensuring data anonymity and confidentiality – Tools and strategies for secure data sharing – Impact of global privacy regulations – Design and implementation of privacy-preserving systems

6. Legislation, Policy, and Governance in Cybersecurity	– Governance of cybersecurity ecosystems – Comparative analysis of cybersecurity legislation and policies – Policies for cybersecurity compliance and enforcement – Role of public-private partnerships in enhancing cyber resilience – Cyber diplomacy in the age of emerging disruptive technologies – Operational and legal challenges to fighting cyber crime
7. Societal and Ethical Implications of Cybersecurity Technologies	– Building societal cyber resilience – Innovative approaches to cybersecurity education and training – Cybersecurity awareness raising in the age of disinformation – Balancing security measures with individual rights – Social implications of widespread surveillance tools – Ethical considerations in cybersecurity research and application – Cybersecurity in the context of digital equality and accessibility
8. Innovative Cybersecurity Solutions Case Studies	– Real-world applications of cybersecurity technologies – Lessons learned from significant cybersecurity breaches – Innovative security solutions for emerging technology platforms – Strategies for enhancing resilience to cyber attacks

Submission Guidelines

The conference welcomes two types of submissions:

A. Research Presentations Based on **Abstract Only**	B. Research Presentations Based on **Full Paper**
• Submit your abstract (250-500 words) by October 27, 2024. • Please note that there will be no opportunity to submit a full paper afterward. • Submissions of this type will not be eligible for the Best Paper Award and may not be included in the publication plan.	• Submit your full paper (3,000-5,000 words) by October 27, 2024. • Full papers are eligible for the Best Paper Award and inclusion in the publication plan.

Requirements

• All contributions shall be submitted via EasyChair: https://easychair.org/cfp/CyberBazaar2024.

• All submissions must be original work and not previously published.

• Submissions must adhere to the APA reference formatting style (7th edition, see guidelines on https://apastyle.apa.org).

• Manuscripts shall be submitted only in Microsoft Word (*.docx or *.doc) format.

• Any identifying information such as author names and affiliations shall be removed from the manuscript.

• The language of the conference and of the submissions is English. Authors concerned about their English quality are encouraged to engage a proofreader.

Review Process

• Submissions will be evaluated by the Programme Committee.

• Applicants will be notified of their submission status by November 10, 2024.

Publication Opportunities

- All accepted abstracts will be included in the Conference Book of Abstracts.
- Outstanding full papers may be selected for the Best Paper Award and considered for publication in a special issue of the Baltic Journal of Modern Computing (indexed in Scopus and Web of Science), as an *Open Access* publication at no cost to the authors.

Conference Information

Conference Registration

- After receiving the notification of acceptance, all participants must register by November 20, 2024, via the conference website: www.cyberbazaar.eu.
- There is no registration fee, but the conference does not cover travel or accommodation expenses.

Presentation Format

- The conference will be held in a hybrid format: online (December 3-4) and on-site (December 5) in Riga, Latvia.
- Participants must indicate their preferred presentation format when registering.
- On-site presentation slots are limited and primarily prioritised for authors of full papers. If on-site slots are full, online participation will be offered.

Presentation Slots

- Each presentation slot will be 15 minutes, divided into 10 minutes for the presentation itself and 5 minutes for discussion.
- Presentation slides must be sent to the organizers' email (as indicated in the registration confirmation) at least 24 hours before the scheduled presentation time.

Important Dates

Deadline for Submissions	October 27, 2024
Notification of Acceptance	November 10, 2024
Registration Deadline	November 20, 2024
Conference	**December 3-5, 2024**

Conference Agenda

- Details on our exciting lineup of keynote speakers and panellists from academia, industry, and government sectors will be available soon on the conference website www.cyberbazaar.eu.

Programme Committee

- **Mihails Potapovs**, University of Latvia, Latvia (*Chair*)
- **Signe Bāliņa**, University of Latvia, Latvia
- **Bernhards Blumbergs**, Institute of Mathematics and Computer Science, University of Latvia, Latvia
- **Stella Blumfelde**, University of Genoa, Italy
- **Agnė Brilingaitė**, Vilnius University, Lithuania
- **Linas Bukauskas**, Vilnius University, Lithuania
- **Prokopios Drogkaris**, European Union Agency for Cybersecurity (ENISA)
- **Kaido Kikkas**, Tallinn University of Technology, Estonia
- **Uldis Ķinis**, Riga Stradiņš University, Latvia
- **Aleksandra Kjakste**, University of Latvia, Latvia
- **Didzis Kļaviņš**, University of Latvia, Latvia
- **Nadežda Kuņicina**, Riga Technical University, Latvia
- **Birgy Lorenz**, Tallinn University of Technology, Estonia
- **Krišjānis Nesenbergs**, Institute of Electronics and Computer Science, Latvia
- **Oksana Ņikiforova**, Riga Technical University, Latvia
- **Louis Marinos**, European Union Agency for Cybersecurity (ENISA)
- **Raimondas Matulevičius**, University of Tartu, Estonia
- **Rūta Pirta-Dreimane**, Riga Technical University, Latvia
- **Andrejs Romānovs**, Riga Technical University, Latvia
- **Mari Seeba**, University of Tartu, Estonia
- **Sigita Struberga**, University of Latvia, Latvia
- **Adrian Venables**, Tallinn University of Technology, Estonia

Organisers

- "CyberBazaar 2024" is co-organised by the governments of Latvia, Estonia, and Lithuania.
- The forum is supported by the European Cybersecurity Competence Centre and co-funded by the European Union.

Contact Information

- For further inquiries, please contact Mihails Potapovs, Chair of the Programme Committee, via email mihails.potapovs@lu.lv.

We look forward to your contributions and an enriching conference experience in Riga!