

International scientific - Practical conference

"Telecommunications and Security"

Tbilisi, Georgia

10 – 11, October 2024

Day 1

10 October

Moderate by Dr. Vladimer Svanadze and Dr. Maksim Iavich

- **10:00 – 11:00 Registration/Welcome Coffee**
- **11:00 – 11:30**
Open of Conference (ComCom, Caucasus University, SCSA, IDI, RIPE NCC)
- **11:30 – 11:50**
Ekaterine Imedadze, Georgian National Communications Commission, Georgia
“Georgia at the crossroads of international data links and creating an enabling environment for the digital growth”
- **11:50 – 12:10**
Ravzan Bocu, Transilvania University of Brasov, Romania
“Blackbox Android Malware Detection Using Machine Learning and Evasion Attacks Techniques”
- **12:10 – 12:30**
Hrishikesh Somchatwar, France
“Hidden Dangers: Exploring Rare IoT Attacks”
- **12:30 – 12:50**
Audrius Lopata, Kaunas University of Technology, Lithuania
“Challenges of implementing the Payment Card Industry Data Security Standard (PCI DSS) in practice”
- **12:50 – 13:10**
Rui L. Aguiar, University of Aveiro, Portugal
“New technologies, new challenges on cybersecurity”
- **13:10 – 13:30**
Visiola Pula, the Cullen International (online)
“A brief online presentation covering the NIS2 directive and its implementation in the EU”
- **13:30 – 14:30 Lunch**

- **14:30 – 14:50**
Vladimer Svanadze, IDI, Georgia
“Internet Fragmentation as a new challenge for the Unified, Security and Stability of Internet”
- **14:50 – 15:10**
Joanna Kulesza, University of Lodz, Poland (Online)
“The Evolving Role of International Law in Cyberspace”
- **15:10 – 15:30**
Lela Mirtskhulava, Ivane Javakhishvili Tbilisi State University/San Diego State University Georgia, Georgia
“Enhancing the Cybersecurity of Mobile Telecommunication Systems Using Neural Cryptography Techniques”
- **15:30 – 15:50**
Kairat Sakan, Scientific Institute of Information and Computing Technologies, Kazakhstan
“Development and study of post-quantum cryptography algorithms based on hash functions”
- **15:50 – 16:10**
Sergiy Gnatyuk, National Aviation University, Ukraine
“ML-based quality assessment of PRNG for cryptographic applications”
- **16:10 – 16:30**
Sergo Simonovi, Scientific Cyber Security Association, Georgia
“Taking LOLBAS hacking to another level - Stealing passwords using built in binaries.”
- **16:30 – 17:00 Coffee Break**
- **17:00 – 17:20**
Rene Pfeiffer, University of Applied Sciences Technikum Vienna, Austria “State of Memory Safety in C++”
- **17:20 – 17:40**
Andre Zúquete, University of Aveiro, Portugal (Online)
“On the use of world-wide IDPs for network access”
- **17:40 – 18:00**
Seifedine Kadry, Noroff University, Norway (Online)
“Intrusion Detection System Using Optimal Deep Learning Model”
- **20:00 – 23:00 Dinner (by invitation only)**

Day 2

11 October

- **10:00 – 11:00 Registration/Welcome Coffee**
Moderate by Dr. Maksim Iavich and Dr. Vladimer Svanadze
- **11:00 – 11:20**
Maksim Iavich, Caucasus University, Georgia
“Novel Post-Quantum Signature Model Using Verkle Trees for Enhanced Security and Efficiency”
- **11:20 – 11:40**
Stojan Kitanov, Mother Teresa University, Macedonia
“Overview of Research Trends and Challenges in 6G Mobile Networks and the Computing Continuum”
- **11:40 – 12:00**
Elvin Balajanov, Association of Cybersecurity Organisations of Azerbaijan, Azerbaijan
“Cybersecurity in Azerbaijan: Legislative Measures to Protect Critical Information Infrastructure”
- **12:00 – 12:20**
Roman Odarchenko, National Aviation University, Ukraine
“The Role of 5G/6G Cellular Network Technologies in Achieving the goals of Sustainable Development”
- **12:20 – 12:40**
Ravishankar Rao, Fairleigh Dickinson University, USA
“Artificial intelligence applications for the security of IoT devices in healthcare”
- **12:40 – 13:00**
Gabriel Chênevert, JUNIA Engineering School, France
“Implementation and deployment of post-quantum cryptography”
- **13:00 – 13:20**
Sherzod Gulomov, Tashkent University of Information Technologies named after Muhammad al-Khwarizmi, Uzbekistan
“Methods for Identifying Suspicious Packets in Network Traffic”
- **13:20 – 13:40**
Nato Jiadze, Ministry of Defence of Georgia, Georgia
“Cyber Weapons and Nation-States: Threats and Risks”

- **13:40 – 14:40 Lunch**
- **14:40 – 15:00**
Abdullah Joseph, Germany, Vicarious Security In Plain Sight: The Future of Cryptographic Authentication Without Compromise
- **15:00 – 15:20**
Nursulu Kapalova, Institute of Information and Computational Technologies (IICT LIS) of the MSHE CS, Kazakhstan
“Development of a means of cryptographic information protection for secure negotiations over HF radio communications”
- **15:20 – 15:40**
Iona Veitaitė, Vilnius University, Lithuania
“Challenges of Cyber Security in Modern Society: The Impact of Social Engineering”
- **15:40 – 16:00**
Shahmeer Amir, EC-Council University, Great Britain
“Infiltrating Systems with Sonic Malware”
- **16:00 – 16:20**
Vahan Hovsepyan, RIPE NCC
“N/A”
- **16:20 – 16:50 Coffee Break**
- **16:50 – 17:10**
Himmat Singh Sandu, the World Bank
“The global trends in international digital connectivity and the opportunities for the South Caucasus region to play a more important role in international connectivity an data flow networks”
- **17:10 – 17:30**
Andro Gotsiridze, Founder of Cyber Security Studies and Education Center
“CYSEC “
“Cyber Terrorism: Assessment of the Threat to enhance resilience”
- **17:30 – 18:00**
Conclusion/Close of Conference