

Session Program

17-19 Sept 2025

2025 RoEduNet Conference: Networking in Education and Research

Cloud Computing and Network Virtualisation

Tehcnical University of Moldova
168, Stefan cel Mare bd, Chisinau, Republic of Moldova

Thursday 18 September

11:40

Cloud Computing and Network Virtualisation

Session | **Location:** Room 2, Technical University of Moldova | **Convener:** Mihai CARABAŞ

11:40–11:55

Simplified Design of An FPGA-Accelerated Connectionless Network Stack

Speaker

Mr Alin-Tudor Sferle

11:55–12:10

Benchmarking Quantum, Classic, Electronic Optocoupler Neurons and Neural Networks

Speakers

Teodor Cervinski, Cristian Toma

12:10–12:25

Securely Sharing Electronic Health Records over Blockchain

Speaker

Cristian-Tănase Paris

12:25–12:40

Metadata-based Network Traffic Analysis Using Zeek

Speaker

Stefan Dorin Jumarea

12:40–12:55

From Incident to IOC - An Automated Malware Investigation Pipeline

Speaker

Andreia-Irina Ocănoaia

13:00

15:00

Cloud Computing and Network Virtualisation

Session | **Location:** Room 2, Technical University of Moldova | **Convener:** Mihai CARABAŞ

15:00–15:15

Building a Hands-On Infrastructure Lab: An Integrated Proxmox and EVE-NG Approach for Advanced IT and Cybersecurity Education

Speaker

Adrian Savu-Jivanov

15:15–15:30

OLAP Performance Analysis in Neo4j/Cypher Deployed on OpenStack: Challenges and Results for Medium-Sized TPC-H Data Sets

Speaker

Codrin-Stefan Esanu

15:30–15:45

Automation and Monitoring of Virtualized Infrastructure on Proxmox Servers

Speaker

Mr Eduard Dumistracel

15:45–16:00

A Multi-Agent Framework for Auditing Smart Contracts

Speaker

Alexe Luca Spataru

16:00-16:15

Big data Architecture for Automatic Transformation and Validation of Heterogeneous Geospatial Data Compliant with INSPIRE Directive

Speaker

Mr Mihai NEGRU

16:15-16:30

A Practical Evaluation of Deployment Strategies for Services Running in the Cloud

Speaker

Vlad-Stefan Dieaconu

16:30-16:45

VERIT-ALBERT: A Finetuned LLM Approach for Verifying Information Credibility

Speaker

Dr Elena-Simona Apostol

16:45