

## Technical program

**Session C** Join URL: <https://aalto.zoom.us/j/cbPW03zQ3r>

Meeting ID: 681 8289 3690

### 9:00 – 10:40 Session 1C

Instrumentation Techniques for Microservices Applications

*Rafi Kurnia Putra*

A Survey of Poisoning Attacks and Defenses in Federated Learning

*Huy Ngo*

A Formal Analysis of the OAuth 2.1 Protocol

*Jarl-Otto Siikasmaa*

Adversarial Machine Learning Defenses

*Ravindu Rajatheva*

Privacy in Federated Learning

*Jaakko Koskela*

### 10:40 – 10:50 Short break

### 10:50 – 12:30 Session 2C

Simulating 5G for Distributed System Communications

*Henri-Matias Tuomaal*

Utilization of a full-system simulator to create a digital twin

*Veera Hänninen*

Software diversity as an approach for building secure software systems

*Julia Sulina*

Auto time series forecasting for regression problems

*Gustav Larsson*

Formal Verification of TLS Encrypted Client Hello

*Roope Lehtikainen*

### 12:30 – 13:30 Lunch break

**13:30 – 14:50 Session 3C**

Resource Allocation Using Game Theory in LPWAN

*Lassi Koponen*

Machine Learning on Embedded Devices

*Jani Saranpää*

Proof systems for the propositional logic

*Niilo Lappi*

The balance of individual freedom and crime in cryptocurrency transactions

*Axel Neergaard*

**14:50 – 15:00 Short break**

**15:00 – 16:00 Session 4B**

Foveated Video Quality Metrics

*Joonatan Mäkinen*

Standardization of IEEE 802.11ax

*Antti Kuikka*

Filesystem enumeration in Kubernetes containers

*Santeri Volkov*