

Session Program

17-19 Sept 2025

2025 RoEduNet Conference: Networking in Education and Research

Sensor Networking

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

Friday 19 September

10:00

Sensor Networking

Session | **Location:** Room 3, Technical University of Moldova | **Convener:** Larisa DUNAI

10:00–10:15

Energy-Efficient Environmental Monitoring System

Speaker

Mr Matei Ceaușu

10:15–10:30

Enabling Smartwatch Biometrics in Constrained Environments

Speaker

Ms Ana-Maria Mîrza

10:30–10:45

A Lightweight and Scalable 3D Scanning System for Indoor Spaces Using Smartphones and Server-Side Depth Estimation

Speaker

ALEXANDRU BLEJAN

10:45–11:00

Porting NuttX RTOS on a smartwatch, with a focus on low power

Speaker

Ms Alexandra-Simona Toacă

11:00–11:15

Network Monitoring With Low Cost ESP32 Boards

Speaker

Cezar Zlatea

11:15–11:30

Burnout Analysis using NLP and Medical Biomarkers

Speaker

Madalina-Andreea Calin

11:30–11:45

Generation and Synthesis of video from static images for real estate Virtual Tours

Speaker

Dan Toderici

11:45