

Technical Training: Edinburgh Instruments (EI) Equipment Capabilities and Demonstrations

During the event, the main **photoluminescence (PL)** and **Raman imaging system** solutions will be presented, along with their practical applications.

Date: Thursday, December 11, 2025

Time: 13:00–15:20

Location: LU House of Science, Jelgavas iela 3, Rīga, 804. room

Program

13:00 – Introduction to Edinburgh Instruments (EI) and Monospektra

13:10 – Introduction to fluorescence and lifetime measurements, and overview of EI photoluminescence (PL) spectroscopy systems

13:30 – PL Equipment Demonstration

14:10 – Q&A after PL Demonstration

14:20 – Introduction to Raman technique and EI Raman and Multimodal Imaging Systems

14:40 – Raman / FLIM Equipment Demonstration

15:10 – Q&A after Raman / FLIM Demonstration

15:20 – End of Event

Live Demonstrations from Edinburgh Instruments Laboratories

During the event, **two remote demonstrations** will take place, streamed live from EI laboratories in the United Kingdom:

1. PL Equipment Demonstration – FS5 System

- Absorption measurement
- Photoluminescence (PL) measurement
- PL lifetime measurement
- Quantum yield measurement using an integrating sphere
- Brief overview of the FLS1000 system

2. Raman and PL Microscope Demonstration – RMS1000

- PL spectroscopy (PL spectrum)
- PL imaging/mapping
- Raman spectroscopy (Raman spectrum)
- Raman imaging/mapping
- FLIM (Fluorescence Lifetime Imaging Microscopy) / PLIM (Phosphorescence Lifetime Imaging Microscopy)