Lodz University of Technology

in collaboration with

JUMP
Joint University Challenge-based Minor Program for Future Generation of Innovative Entrepreneurs

Blended Intensive Programme – ECIU Challenge

- October 6, 2025 – online meeting
- October 13-17, 2025 – in-person, Lodz, Poland
  Sabert Poland and Lodz University of Technology laboratory
- November 2025 – Final Pitch online

Sustainable Transitions & Reliable Engineering for Automated Manufacturing (STREAM)

Throughout five dynamic days, you will explore:

- Smart maintenance strategies and failure-prevention methods
- **SMED** analysis for rapid changeovers
- **3D scanning** and metrology using ATOS GOM systems
- **Reverse engineering** and **CAD-based redesign** of worn tooling
- Practical data-driven approaches to improving equipment performance and sustainability

Register today!

STREAM BIP

3 ECTS Challenge

Towards Smart Maintenance in Robotized Industrial Lines

2 ECTS micro-module

EdVenture Quest: The Art of CBL through Cases

1 ECTS micro-module

Designed for upper-level undergraduate or graduate ECIU students in engineering or related technical fields.

Mandatory Pre-ELO Preparation (engage.eciu.eu)

1. ,, EdVenture Quest: The Art of CBL through Cases" with input on challenge-based learning method – 1 ECTS

2. ,,Towards Smart Maintenance in Robotized Industrial Lines'' with input on fundamentals of maintenance engineering – 2 ECTS

This immersive program blends **advanced maintenance strategies, lean methodology**, and **Industry 4.0** technologies to equip you with the tools and mindset needed to drive sustainability, efficiency, and digital transformation in modern production environments.
The course offers a unique opportunity to work directly on a fully automated and robotised production line, with a focus on paper-based product manufacturing aligned with ESG and Net Zero Carbon goals.

Applications should be submitted via your home university's international office or BIP coordinator.

Any questions? Contact agnieszka.roganowicz@p.lodz.pl