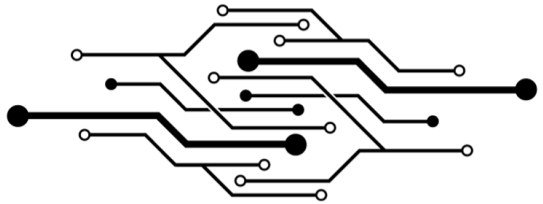

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SPECIALISED EDUCATION PROGRAMMES IN CYBERSECURITY AND ROBOTICS

Co-funded by the European Union

MSc in Autonomous Systems and Intelligent Robots

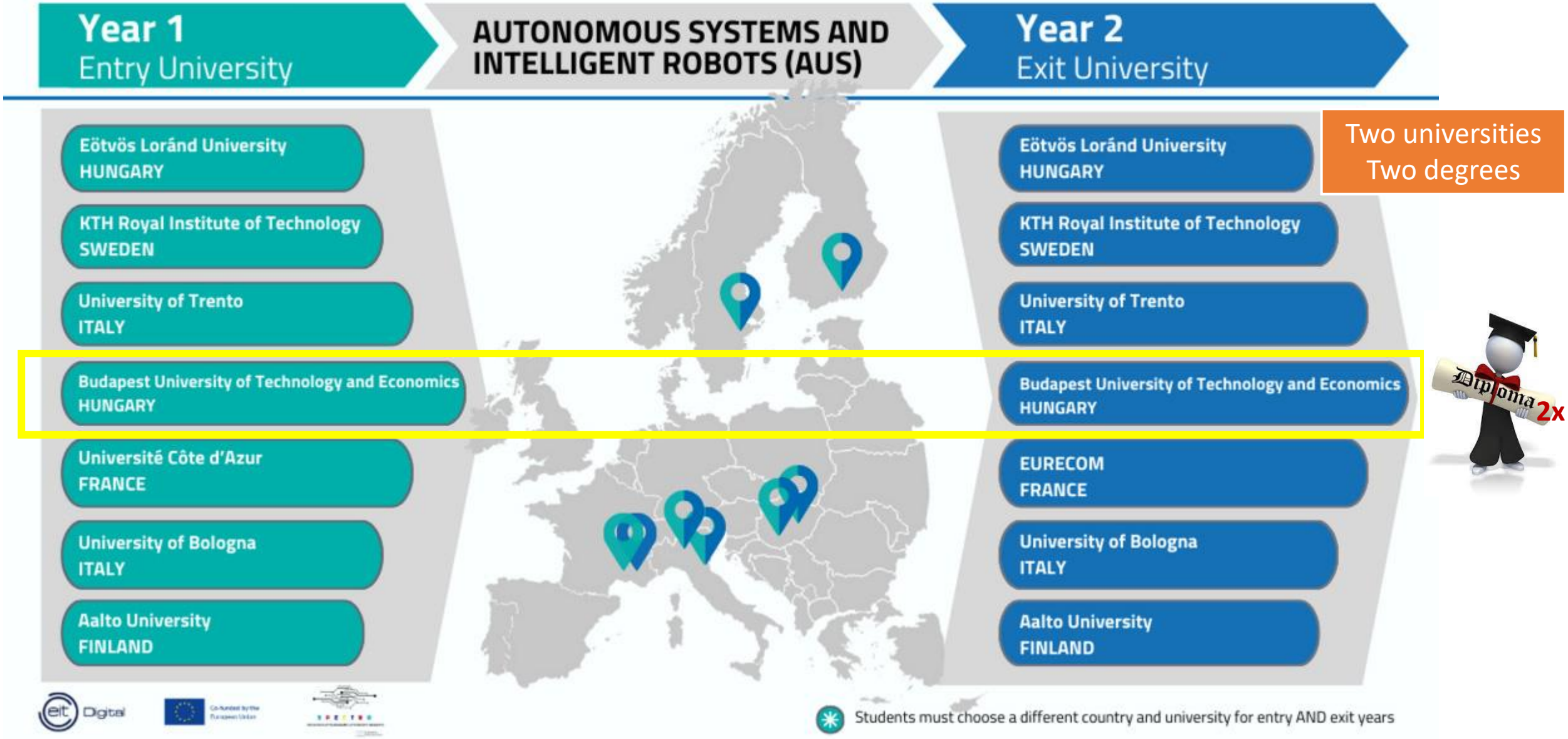
EIT Digital Byte & Slice – November 28, BME

Entry and Exit years **@BME**

(with scholarships to EU citizens)

Program coordinator: Bálint Kiss (bkiss@iit.bme.hu)

This project has received funding from the European Union's Digital Europe Programme under grant agreement no. 101123118 — SPECTRO



The available **scholarships** are:

- Scholarships of Excellence (only available to EU applicants) - Full tuition fee waiver and monthly allowance (based on average living costs in the study country)
- Full tuition fee waiver

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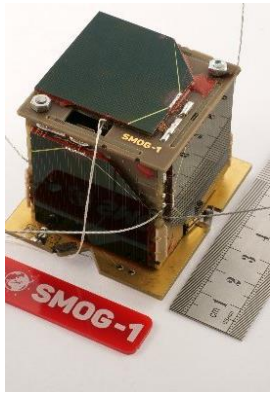
AUSIR - Autonomous systems and Intelligent Robots



Key technologies in AUSIR

- Robotics and machine vision
- Internet of Things and communication
- Automation and control
- Embedded systems
- Artificial intelligence

Experts identify the primary source of growth in industrialized countries as the scaling-up of such disruptive technologies.

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Key AUSIR paradigm: sense – think – act

Autonomous decision making
1. Modelling and control
2. (AI-based) Algorithms
3. Safety and security
4. Implementation on embedded HW and in RT

Sensing (device and its env.)
1. Transducers
2. Machine vision
3. Image processing
4. Estimation techniques

Actuation
1. Mechanisms
2. Available action sets
3. Safety envelops

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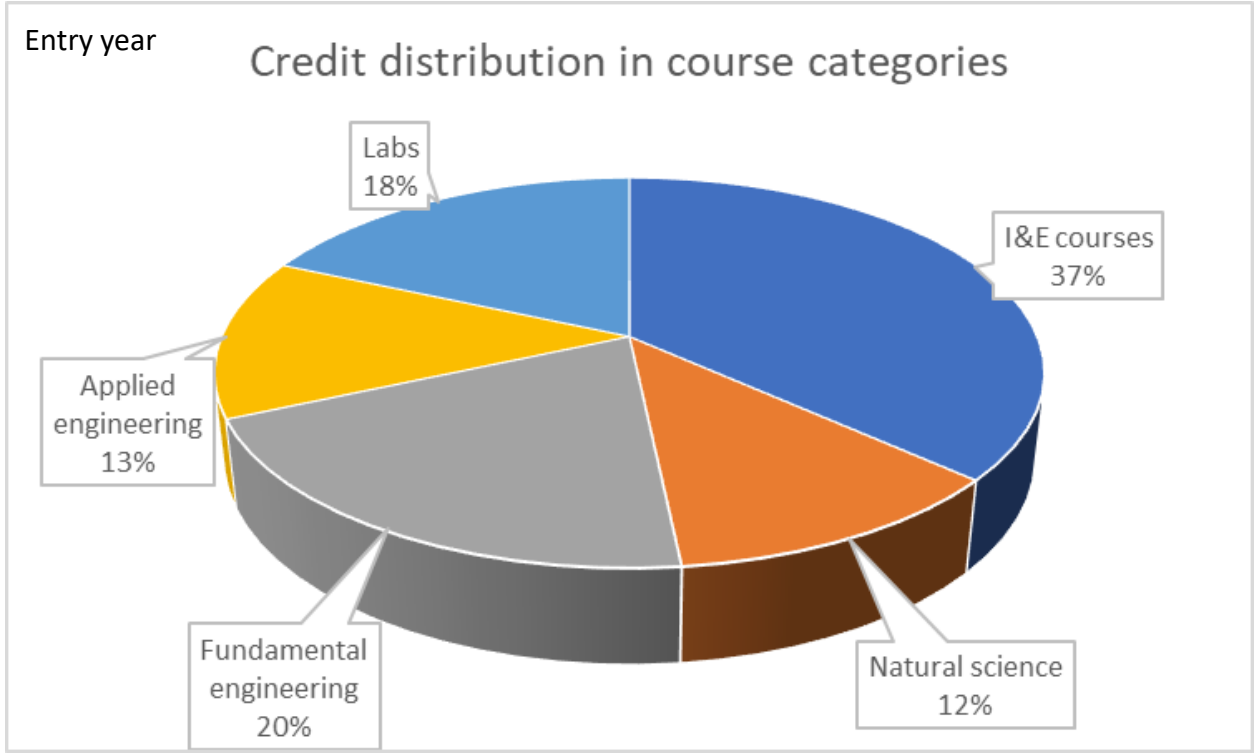
A special feature: the I&E component

Experts identify the primary source of growth in industrialized countries as the scaling-up of such disruptive technologies to products and services.

Response of SPECTRO: Deep-tech + Innovation and Entrepreneurship



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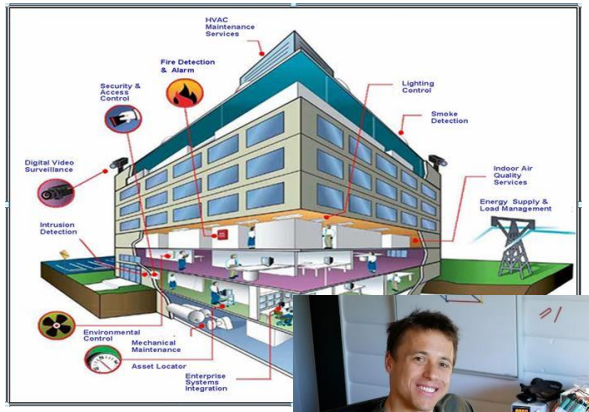
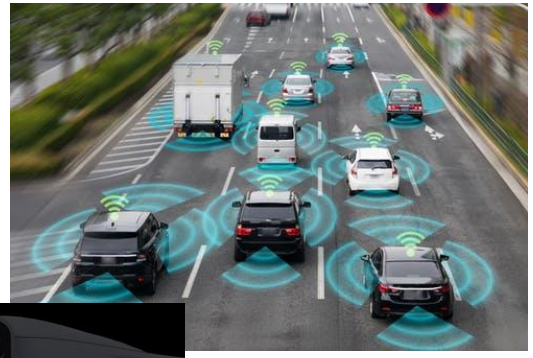
Choices of orientations of our graduates

Manufacturing

Robotics

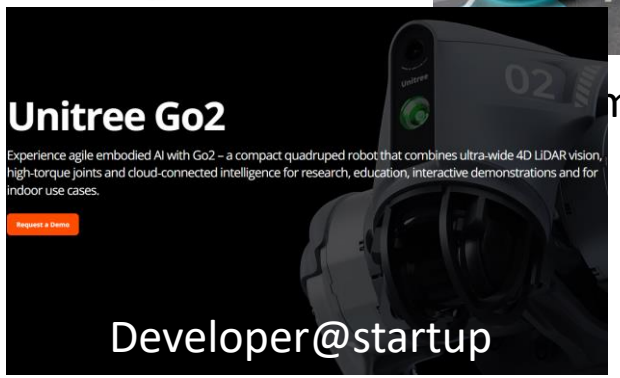


Smart building



mous vehicles

Own company



Developer@startup

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Further information

JOINT DEGREE MSC PROGRAMMES OF EIT DIGITAL

The EIT Digital Master School offers a two-year education programme in which the two years (entry, exit) are completed in two different European countries, and the two universities provide double degrees combining technical competence with skills in Innovation and Entrepreneurship.

Further information on the Master School
Application for the Master School

https://www.vik.bme.hu/en/education/eit-digital-master-programmes/

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