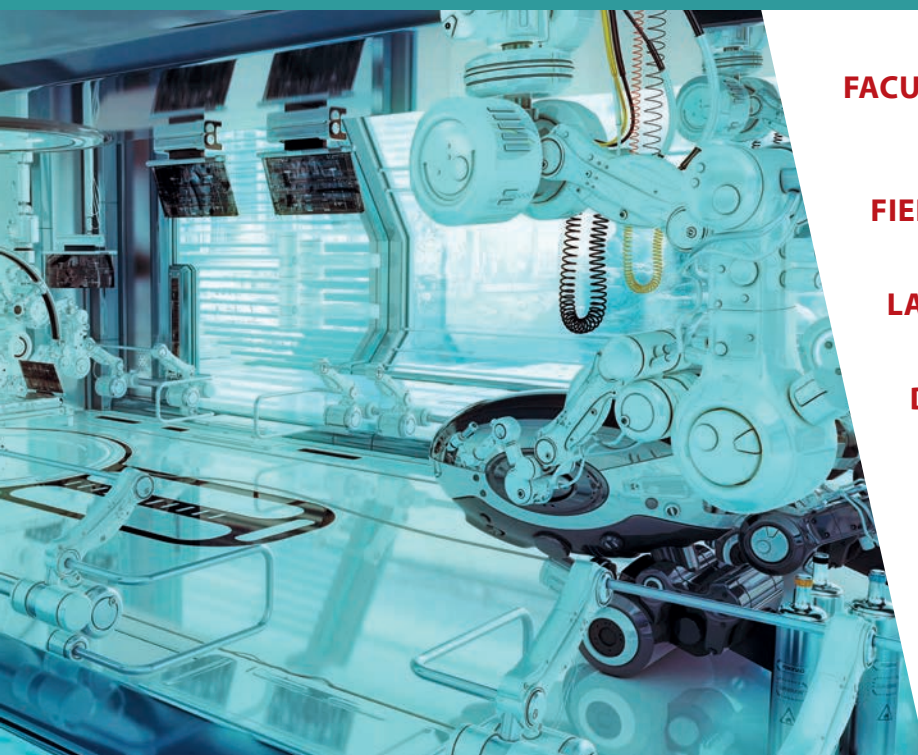


Robotics

**FACULTY**

*Faculty of Machine
Building*

FIELD OF STUDY

*Mechatronics and
Robotics*

LANGUAGE

English

DEGREE AWARDED

*Master of Science
(MSc)*

DURATION

4 semesters/2 years

CREDIT POINTS

120+10 ECTS

OBJECTIVES

The Master's Degree Program in Robotics provides the continuation of bachelor studies on the Robotics specialisation. Its mission is to train specialists to be able to address practical problems, specific to the automation and robotization of production processes. The major objective of the Master's Degree Program in Robotics is to provide advanced interdisciplinary training in industrial robotics technology.



GRADUATES

Robot programming (Kuka, Fanuc, ABB, Motoman), machine tools programming, CAD. CAE/CAM (Catia, Delmia, AutoCAD, SolidWorks), distributed control in automatized systems

MAIN TEACHING AREAS

Robot programming languages, PLC programming, CAM/CAR, distributed control, ERP, robot motion planning, medical robots, robot applications, robot maintenance, client-server apps, process control and monitoring

ADMISSION REQUIREMENTS AND PROCESS, TUITION FEES

Check the information posted on the International Relations Office:
http://bri.utcluj.ro/RI2_en/master_eu.php

RESEARCH AREAS

Robotics and IoT, Smart robots, Intuitive robot programming, Intelligent HMI, VR in Robotics, AR in Robotics, Smart factories, CPS, Robot vision, Service robot design, Virtual commissioning, Collaborative robots

INDUSTRIAL / ACADEMIC PARTNERS

Industrial: Inno Robotics SRL, Braintronix SRL, e-Color, CSI Romania SRL, Comau, Raal, Comelf SA, Continental, Kuka Systems SRL, Fanuc Automation Romania SRL, ABB SRL, Robert Bosch SRL
Academic: Politehnica University Timisoara, University Politehnica of Bucharest, HAMK University of Applied Sciences, Finland

JOB OPENINGS

- Robot programmer
- Robot integrator
- Robotic automation Process Control Engineer
- PLC programmer
- Automation maintenance Engineer

CONTACT

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