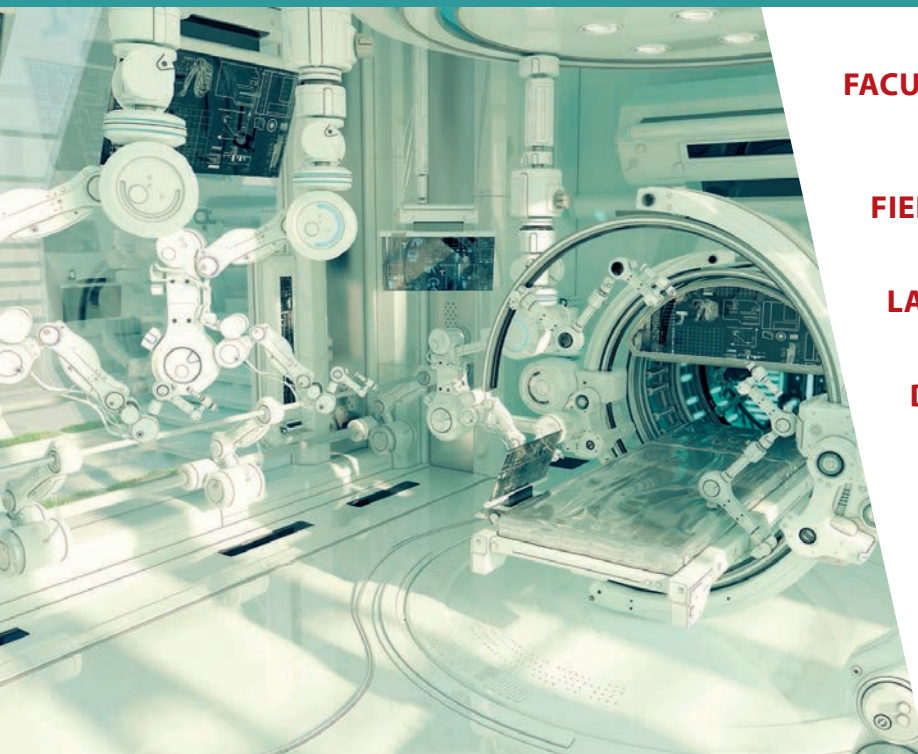


Robotics

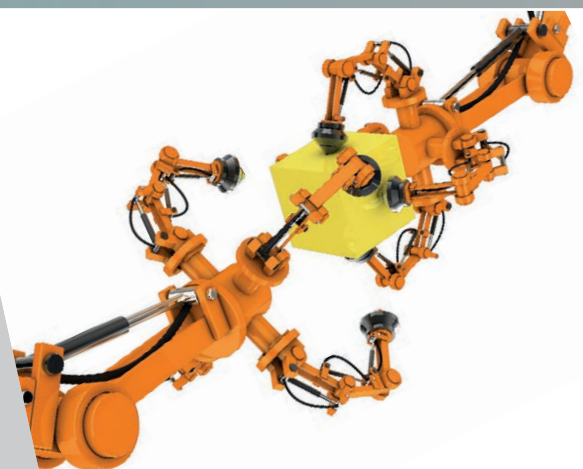


FACULTY	<i>Faculty of Machine Building</i>
FIELD OF STUDY	<i>Mechatronics and Robotics</i>
LANGUAGE	<i>English</i>
DEGREE AWARDED	<i>Bachelor of Science (BSc)</i>
DURATION	<i>8 semesters/4 years</i>
CREDIT POINTS	<i>240 ECTS</i>

OBJECTIVES

The Specialization of Robotics is an interdisciplinary study program for engineers that deals with design, development and integration of robotic systems in industrial production and other application fields (e.g. services, health).

The goal is to provide adequate skills to handle complex systems that integrate mechanics, electronics, control, actuation, sensors and programming, as well as connectivity with other technical systems.



GRADUATES

Competences in robot design (mechanics, electrical, control), software technologies (Java, C#, C++, Python, Matlab, etc.), PLC programming, manufacturing robotization, CAD. CAE/CAM (Catia, Delmia, AutoCAD, SolidWorks), HMI design, TIA, MES, etc.

MAIN TEACHING AREAS

Robot design, robot integration in production processes, actuation and sensors, programming languages, HMI, robot control, digital production

ADMISSION REQUIREMENTS AND PROCESS, TUITION FEES

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

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

CAD/CAE engineer, Process automation engineer, Robot designer, Robotic system engineer, Robotic automation engineer

CONTACT

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Department of Design Engineering
and Robotics

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