



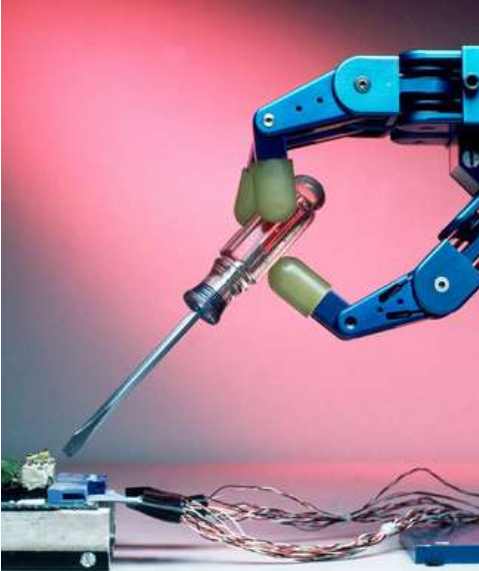
ONLINE SUMMER SCHOOL

ROBOTICS

July 5-18, 2021

READY TO BUILD YOUR OWN ROBOTS THAT CAN SOLVE SPECIFIC TECHNICAL PROBLEMS? JOIN THIS SUMMER COURSE!

ECTS credits: 3.0



BRIEF DESCRIPTION

Program is organized and carried out in the laboratory. Students will program and test robots that solve specific technical problems, work on 3D printers with an international and Russian hardware and software components.

You will learn topics such as:

- Developing a robot that can find the shortest path in a maze created by walls.
- Developing a robot that can solve navigation problem in the city.
- Use of industrial controllers to automate the production process.

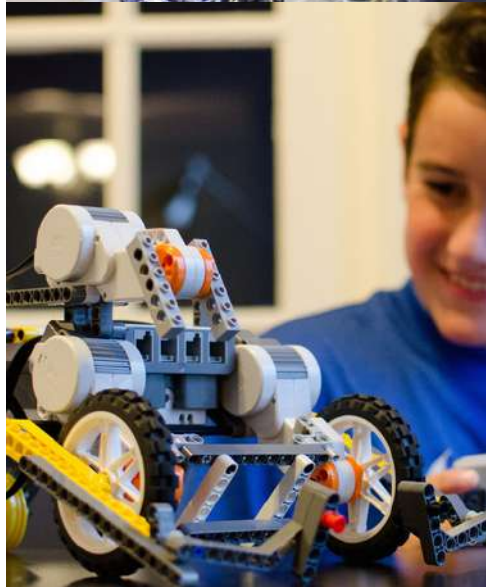
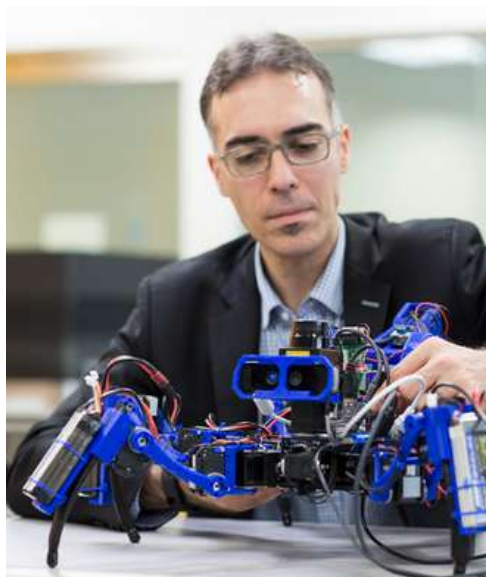
Cost:

US\$200

Includes:

Trainings and lectures, handouts, consulting, software programs (if needed), culture activities, certificate and reference letter

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Program dates: July 5–18, 2021

Registration deadline: June 3, 2021

- **Entrance requirements:**
- Good command of English (B1+)
- Basic software engineering (programming)
- Basic course of mathematics and physics

Professors and lecturers:

Vladislav Melnikov:

Developer of the course “Programming of Microcontrollers”.

Winner in the regional project competition of Samsung IT school. Teacher at “РобоКод” club.

Iliia Ogorodnikov:

Assistant Professor, Candidate of Physical and Mathematical Sciences.

Graduated from "Electronics and automation of physical installments".

Alexei Ogorodnikov:

Senior Lecturer, Graduated from "Material Science and New Materials Technologies", Ural Federal University.

Program partners:

- ABB
- Dassault Systemes

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