

INFOBITES
1 TOPIC
2 CREDITS
18 HOURS

10

Introduction to Robotics

Pt.1: Sensor and Actuators

Start: 5 October — 2 November 2020
5 Lectures + Final Test
Online, Mondays 8–12 am
Max participants: 20

Come see computing become alive! A lot of mini-experiments and some theory will teach you how to build small systems that can interact with the world. In this first part of the course we will deal with the key elements of a robotic system and of microcontroller-based devices.

After attending this course participants will possess basic notions of:

- Common robotics sensors and actuators
- Microcontroller systems and interfacing

Prerequisites: Basic knowledge of the C/C++ languages. Pre-existing familiarity with basic analog and digital electronics, and with the MatLab and Arduino environments may be helpful but is not required.

Registration: Limited places (20) – register as soon as possible! By 10 September 2020, send an e-mail to computer.science@unibz.it including:
(1) a presentation of yourself
(2) the detail of your skills in computer science
(3) your motivation for attending the course