

INFOBITES
1 TOPIC
2 CREDITS
18 HOURS

5

Introduction to robotics

Pt. 1: Sensors and actuators

Start: 12 March 2018

9 Lectures + Final Test

Monday and Wednesday

unibz, room E2.31, 2–4 p.m.

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 March 2 2018, 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