

Professor Name

Ahmet CETINKAYA (Mr.)

Laboratory name

Stochastic Systems and Control Laboratory

Laboratory Website

<https://www.ahmet.ac/ssc/>

Keyword

Control systems, Machine Learning, Applied Probability

Tasks in the laboratory

The current task in our laboratory is to investigate dynamics and control of a two-wheeled self-balancing robot. This requires some programming skills (C/FPGA/Python), some knowledge in linear algebra and dynamics, as well as interest in control systems.

Program period

More than 2 months

Required skills

Programming skills (C/FPGA/Python), Mathematical background (linear algebra, probability)

Desired skills (Preferred skills)

Control systems

Eligibility-school year

- Bachelor 3rd
- Bachelor 4th or higher
- Master 1st
- Master 2nd
- PhD 1st
- PhD 2nd
- PhD 3rd

Eligibility-student's major/fields

- Mechanical
- Chemistry
- Material
- Electrical
- Electronic
- Computer Science
- Life Science
- Mathematical
- Civil Engineering
- Architecture
- Engineering and design
- Other (Control engineering)