ENG-615

Topics in Autonomous Robotics

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Cursus	Sem.	Type
Robotics, Control and Intelligent Systems		Obl.

Language of teaching	English
Credits	4
Session	
Exam	Project report
Workload	120h
Hours	**56**
Courses	28
TP	28
Number of positions	

Frequency

Every 2 years

Remark

Next time: Spring 2019

Summary

Students will be introduced to modern approaches in control and design of autonomous robots through lectures and exercises.

Content

Modular Robotics and Locomotion (AI)
Distributed Robotics (AM)
Human-Robot Interaction (AB)
Variable topic; e.g. map-based navigation, neural robotics, etc

Note

The course is organized into slots, one per day on a specific topic. Each slot is composed of 6 hours of lectures followed by practical and theoretical exercises that students will do at home. Each slot may change each year. We may also have additional slots/topics given by guest lecturers, who are renown researchers in the taught topic. Students will be assessed on the reports of their exercises.

Keywords

Evolutionary Mobile Robotics Modular Locomotion, Human-robot, Interaction, Mobile Robot Design

Resources

Moodle Link

- http://moodle.epfl.ch/course/view.php?id=252