COURSE DETAIL

INTELLIGENT AUTONOMOUS SYSTEMS

Country
Sweden

Host Institution
Lund University

Program(s)
Lund University

UCEAP Course Level
Upper Division

UCEAP Subject Area(s)
Mechanical Engineering Computer Science

UCEAP Course Number
167

UCEAP Course Suffix

UCEAP Official Title
INTELLIGENT AUTONOMOUS SYSTEMS

UCEAP Transcript Title
INTEL AUTO SYSTEMS

UCEAP Quarter Units
6.00

UCEAP Semester Units
4.00

Course Description

This course gives an introduction to several subdomains of intelligent autonomous systems and robotics, and an orientation about fundamental methods and algorithms within these domains. Content covered includes three-layer architecture, Perception-Action Cycle, Robotic architectures, world models, Robot Perception, SLAM, reasoning under uncertainty, MAP-Slam, actuation, picking, placing, and reasoning and planning.

Language(s) of Instruction
English

Host Institution Course Number
EDAP20

Host Institution Course Title
INTELLIGENT AUTONOMOUS SYSTEMS

Host Institution Campus
Lund

Host Institution Faculty
Engineering

Host Institution Degree

Host Institution Department

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