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Heads of Studies



M.Sc. in Autonomous Systems

Goal

Create the **new generation of Engineers** that modern **IT-based industry** asks for and "Industry 4.0" will rely on.

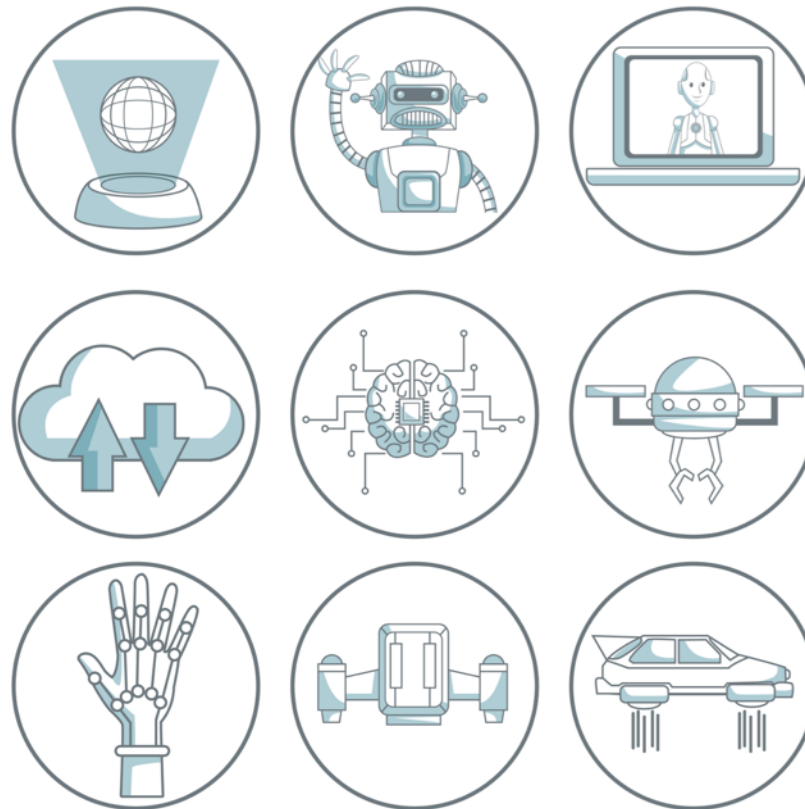
Cover the highly demanded technologies under the umbrella of "Autonomous Systems":

- Machine Learning / Big Data
- Intelligent Production
- Robotics and Manufacturing
- Sensing and Perception
- Modeling and Optimization



What is an Autonomous System?

It could be either something with physical existence or an intangible agent.



Facilities

Center for Collaborative Autonomous Systems



Autonomous Systems vs EE - Automation and Robot technology

- How is "Autonomous Systems" master different from "EE - Automation and Robot technology" study line??
 - AS doesn't necessarily deal with robots
 - » Ships, cars, software agents
 - AS needs Electrical Engineers but not only...
 - » Software Development
 - » Simulation tools
 - » Perception
 - » Artificial Intelligence
 - » ...

Structure of the programme



Structure of the programme

General competences

These are designed to offer students the range of skills necessary to meet the complex challenges of an engineering career, including project management, teamwork, communication, problem-solving and resource planning.

Technological specialization

This group of courses gives you the in-depth academic and technological knowledge necessary for obtaining state-of-the-art competences within a specific field of engineering.

Electives

An important aspect of the DTU MSc programmes is the significant number of elective courses.

Thesis

The master's thesis marks the completion of the two-year MSc programme. The research project is most often carried out at DTU and in many cases in collaboration with one of our many industrial partners.

Honours Programmes

max 10% of the MSc students are enrolled in the Honours Program.

Contents

- An internationally recognized researcher from a leading research institution as personal tutor
- An individually designed study-plan comprising substantial free-standing elements such as seminars and/or project work.
- An exchange semester outside Denmark. The semester abroad can be concluded either through studies or research at an international higher education institution, or through an internship at a company situated outside Denmark
- Participation in at least one international research conference, workshop or summer university module
- Research affiliation outlined in the individual study plan and including one or more research and/or development projects

Study Abroad

One semester at a partner university

Partner Universities

- Nordic5Tech
- EuroTech
- KAIST
- Other universities...

(planning is very important)

Questions?

Thank you!

