

Teaching portfolio

1. Teaching CV: A list of teaching and supervision tasks, including specification of academic fields, scope, level (bachelor, master, continuing education, PhD). Please state the teaching method used (e.g. lecture, class teaching, exercises, supervision, examination, coexamination, distance teaching, internet-based teaching and evaluation of teaching). Please also indicate the language of instruction.

Courses (BSc. MSc. PhD):

- Applied AI in Mechanical and Manufacturing Engineering (PhD. 4 ECTS, EN)
- Object Manipulation and Task Planning (MSc. Robotics, 5 ECTS, EN)
- Readings in Robotics (MSc. 5 ECTS, EN)
- Production Systems and Automation (BSc. Robotics, 5 ECTS, EN)
- Mobile Robotics in ROS (BSc. Robotics 3 ECTS, EN)
- Deep Reinforcement Learning in Robotics (MSc. Robotics, guest lectures, EN)

Supervision:

BSc. Robotics, EN

- Space robotics
- Design of space rovers
- Reinforcement Learning in mobile robotics and grasp learning
- Autonomous robotics in industrial applications
- Mobile robot mapless navigation with artificial intelligence

MSc. Robotics, EN

- Grasp learning on the Moon
- Space rover design
- Reinforcement Learning for autonomous space robotics

MSc. Manufacturing Technology, EN

- Industrial process optimization with machine learning techniques
- Robot grasp learning in industrial bin-picking applications
- Digital twin in open-source robotics

2. Study/programme administration and management: Experience in programme management and coordination. A list of study administration tasks, e.g. study board membership, chair of study board, semester or course coordinator, accreditation tasks, etc. Experience in planning teaching activities. Experience in programme development. Participating in committees and commissions etc. on education issues.

Semester coordinator MSc. Manufacturing Technology, 7 years

Study development and revision BSc. and MSc. in Robotics

Study development and revision BSc. Mechanical Engineering

Study revision MSc. Manufacturing Technology

Department council member at the Department of Materials and Production

Steering committee member AI for the People Center representing the Faculty of Engineering

3. Formal pedagogical training: A list of completed courses in university pedagogy, PBL courses, workshops, academic development projects, collegial guidance and supervision, etc. Written assessment from the course in university pedagogy for assistant professors. Participation in conferences on pedagogy and didactics. Please enclose any documentation of the above, such as course certificates, references, etc

University pedagogy at Aalborg University

4. Other qualifications: Conference contributions and attendance, contributions to debates, scientific articles on pedagogical issues etc. Peer supervision, editorials, mentoring experience or other types of competence development activities.

Type your answer here...

5. Pedagogical development and research: Development of new courses, teaching materials, teaching methods, examination types or other types of pedagogical development. Didactic and pedagogical research. Cooperation with external collaboration partners.

Type your answer here...

6. References on your teaching skills from superiors or colleagues. Teaching evaluations and any teaching awards received.

Type your answer here...

7. Personal reflections and initiatives: Here you may state any personal deliberations as regards teaching and supervision, any wishes and plans for further pedagogical development, plans for following up on student feedback/evaluations, etc. Personal reflections on your own pedagogical practice, including objectives, methods and implementation. This should include an analysis and a reasoned description of your pedagogical activities in relation to your pedagogical understanding and student learning. Thoughts on the teaching method at Aalborg University (which is largely based on group-organised project work and problem-based learning)

Type your answer here...

8. Any other information or comments.

Type your answer here...