

Undervisningsportfolio

1. Undervisnings-CV: Oversigt over undervisnings- og vejledningsopgaver med angivelse af fagområder, omfang, niveau (BA, kandidat, EVU, Ph.d) samt evt. censoropgaver.

Project Supervision: Have supervised more than 145 student projects: ♦ *Graduate level:* Have supervised >50 Masters projects and >60 graduate projects (all completed). ♦ *Undergraduate level:* Have supervised >15 undergraduate and >15 bachelor projects. ♦ *Ph.D. graduates:* Have supervised five PhDs (completed) and three on-going. **Teaching Experience (most courses taught several times, multiple >10 years):** ♦ *Optimisation Theory:* Second semester graduate course for energy and mechanical engineering students. ♦ *Control Theory:* First semester graduate course for international energy students ♦ *Grundlæggende regulering:* Fourth semester undergraduate course for energy engineering students. ♦ *Reguleringsteknik:* Fifth semester undergraduate course for mechanical engineering students. ♦ *Mechatronics I:* Fifth semester undergraduate course for MCE (Mechatronics) students ♦ *Mechatronics III:* Sixth semester undergraduate course for MCE (Mechatronics) students ♦ *Hydraulik:* Fifth semester undergraduate course for energy/MCE students ♦ *Hydraulisk System Design:* Sixth semester undergraduate course for DMS and EMSD students ♦ *Analogue Electronics:* Sixth semester undergraduate course for EMSD ♦ *Elektroteknik og Aktueringsystemer:* Third semester undergraduate course for mechanical engineering students ♦ *Programming and program development:* First semester graduate course for EMSD and Intro (Energy) students ♦ *Measuring techniques and data acquisition I:* Fourth semester undergraduate course for mechanical engineering students ♦ *Measuring techniques and data acquisition II:* Sixth semester undergraduate course for EMSD, FACE, DMS and VT students ♦ *Sensor and Actuators:* Fifth semester undergraduate course for electrical engineering students ♦ *Thermal Energy System Control:* Third semester graduate course for SEE-T students ♦ *Hydraulic System Design:* PhD course

2. Studieadministration: Oversigt over studieadministrative opgaver, eksempelvis medlem af studienævn, studieleder, semesterkoordinator, fagkoordinator, akkreditering m.v.

♦ Member of the Energy Study Board. ♦ Coordinator for the Mechatronic Control Engineering (MCE) program. ♦ Semester coordinator on the third and fourth semester (Master level) of the MCE specialization.

3. Universitetspædagogiske kvalifikationsforløb: Oversigt over gennemførte universitetspædagogiske kursusforløb, PBL-kurser, workshops, udviklingsprojekter, kollegial supervision o.l.

♦ Completed the "University Teacher Education Programme, Aalborg University, October 2006 – January 2008" (Adjunkt pædagogikum) ♦ Supervision (research area specific supervisor) of two Assistant Professors participating in the "University Teacher Education Programme" and currently supervising one.

4. Anden form for kvalificering: Konferencedeltagelse, debatindlæg, oplæg m.v. i relation til uddannelse, "Undervisningsdag", o.l.

Author of two articles on mechatronic education at Aalborg University and the experiences with the mechatronic specializations: EMSD and MCE

5. Undervisningsudviklingsforløb og undervisningsmateriale: Oversigt over medvirken til udvikling af nye moduler, undervisningsmateriale, uddannelser, e-learning, samarbejde med eksterne samarbejdspartnere o.l.

One of the initiators for the Mechatronic Control Engineering (MCE) program and organisers of the study curriculum. Part of the revision board for the Energy program with particular focus on the MCE-program. Development of teaching material for all the above mentioned courses. Teaching material include: ♦ Slides ♦ Extensive solutions to problems ♦ Notes

6. Nominering til og/eller modtagelse af undervisningspriser.

2010 Teacher of the year at Aalborg University 2013 Teacher of the year for the N-study board 2006-2021 consecutively nominated for Teacher of the year at either the N-study board or the M-study board.

7. Evt. personlige refleksioner og initiativer: Personlige overvejelser knyttet til undervisning og vejledning, ønsker til og planer for pædagogisk videreudvikling, planer for opfølgning på undervisningsevalueringer m.v.

8. Andet.