

Teaching portfolio

1. Teaching CV: A list of any lecturing and supervision tasks, including specification of academic fields, scope, level (bachelor, master, continuing education, PhD) as well as any external examiner tasks.

Courses (electrical engineering):

- Understand how to write good papers for high level journals (PhD course)
- Low power Energy Harvesting Technologies and Applications (new PhD course)
- Modern Electrical Drive (electrical engineering, master level)
- Dynamic models of electrical machines and Control Systems (master level)
- Control of electrical drive systems and converters (master level)
- Electrical machines (bachelor level)

Project supervisions:

Many project supervisions from bachelor level to master level.

- Maximum Efficiency Control of a Step Skewed Ferrite-Assisted Synchronous Reluctance Machine (Master)
- Sliding Mode Observer-based Load Torque Identification and Speed Control for PM SM Drives (Master)
- MTPA control of PMSM under load variation conditions for compressors (9th semester)
- High-Precision Speed Control of PMSM for Spacecraft Application (9th semester)
- Controller design for the electrical steering wheel system for tractor auto-guidance (8th semester)
- Ocean wave energy harvester (5th semester)

2. Study administration: A list of any study administration tasks, e.g. study board membership, head of studies or semester or course coordinator, accreditation, etc.

- Semester coordinator: EPSH1/PED1/WPS1, PED2, PED3
- Member of the Energy study board

3. University pedagogy qualifications: A list of any completed courses in university pedagogy, PBL courses, workshops, academic development projects, collegial guidance and supervision, etc.

- PhD supervisor training course (2015, 2019)
- Aalborg University Pedagogy course (2006 – 2008)

4. Other qualifications: Conference attendance, editorials, presentations, etc. relating to education, 'University Teaching Day', etc.

- University teaching day
- CES conference for the Energy students at the department
- PhD research day

5. Teaching activity development and teaching materials: A list of any contributions to the development of new modules, teaching materials, study programmes, e-learning, collaboration with external business partners, etc.

- Joined several seminars at the department of Energy Technology for discussing and planning our new Curriculum for the Master of Science Programme in Energy Engineering

6. Teaching awards you may have received or been nominated for.

- Candidate for the Teacher of the Year 2016 (Study Board of Energy)
- Teacher of the year 2017, 2011, 2010 (Study Board of Energy)

7. Personal reflections and initiatives: Here you may state any personal deliberations as regards teaching and supervision, any wishes and plans for further pedagogic development, plans for following up on feedback/evaluations from students, etc.

Not yet

8. Any other information or comments.

No