

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.

Student project supervision: Year / semester / no of students / project title 2009 / 6 / 2 / Flash discharge lamp 2009 / 7 / 6 / Modelling and analysis of photovoltaic systems 2009 / 7 / 5 / Improvement to the domestic energy supply - wind energy 2009 / 7 / 4 / Study and simulation of photovoltaic systems in MATLAB / Simulink 2010 / 7 / 1 / Thermal characterization of power IGBT modules 2010 / 10 / 2 / Control of grid side inverter for wind turbine 2012 / 1 / 6 / 2012 / 5 / 4 / Bidirectional converter for wireless charging 2012 / 10 / 1 / Study of non-linear phenomena of a novel high frequency control of a buck converter 2013 / 3 / 6 / Designing an electronic load for testing single fuel cell 2014 / 4 / 5 / Regulering af flyvehøjden på en drone en dimension 2014 / 3 / 6 / 2015 / 9 / 2 / 2015 / 9 / 2 / Lifetime setup for 10kV power modules 2016 / 4 / 7 / Regulering af pitchvinkel på autonomt undervandsfartøj 2016 / 10 / 2 / 10kV SiC lifetime 2016 / 10 / 2 / Power supply for electrostatic precipitators Teaching tasks: Digital electronics – lectures on bachelor level 2009–2016 Elektriske grundfag - lectures on bachelor level 2013–2015 Matlab and Control Theory - lectures on bachelor level 2014–2015 Power Module Packaging, Failure Mechanisms, Lifetime Testing and Post Mortem Analysis - lectures and laboratory exercises on PhD level 2106

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.

none

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

Basic course in pedagogy for university teachers 2009 PBL in engineering and science – development of supervisor skills course 2009 Adjunktpædagogikum course 2013

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

University Teaching Day 2013 University Teaching Day 2014

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.

Active participation in Energiseminar on creating a new teaching portfolio for Energy department students 2015

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

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.

8. Any other information or comments.