

## 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.**

**Teaching experience at MSc courses:** 1. Control of Electrical Drives and Converters (2012-2020) 2. Grid Interactive PV Inverters (2016-2021) 3. Design of Switch Mode Converters (2016) 4. Control of PWM converters for renewable energy systems (2016) **Teaching experience at PhD/Industrial courses and workshops:** 1. Industrial/PhD Course: Photovoltaic Power Systems - in theory and practice (PVPS, 2012-2021) 2. Industrial/PhD course: Application-Oriented Modelling of Renewable Energy Sources, Conversion and Energy Storage Systems (2018-2021) 3. Industrial/PhD Course: Power Electronics for Renewable Energy Sources - in theory and practice (PERES, 2008-2014). 4. Industrial/PhD Course: Microgrids; Aalborg University (2010-2012) 5. Danfoss Solar Inverters – Basic course; Aalborg University (2011)

**Workshops/Tutorials:** 1. Programming the eZdsp F2812 using Simulink and Code Composer Studio, EBM-Papst, 2006 2. Building Integrated PV Systems International Workshop, Delft University, 2011. 3. Photovoltaic power systems – DSI basic training, AAU, 2011 4. Solar Integration Workshop 2011, Aarhus, Denmark 5. Solar Integration Workshop 2012, Lisbon, Portugal 6. Solar Integration Workshop 2013, London, Great-Britain 7. Advanced topics in PV applications, PEDG 2015 8. Solar Integration Workshop 2016, Wien, Austria

**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 for Wind Power Systems (WPS) (2013-2017) Technical coordinator for Wind Power Systems (WPS) (2013-2022) Member of the Study Board of Energy (2015-2022) Chair of the Study Board of Energy (2018-2022)

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

1. Moderne undervisningsteknik, Aros Kurser, 2012 2. One day seminar for PhD supervisors, 2015 3. Seminar on PhD supervision: Tools and processes for PhD tutors, 2012 4. Introduction to Problem Based Learning, 2012 5. Adjunktpedagogikum 2012-2014 6. Supervision of MSc and BSc students at the Department of Energy since 2008

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

Tag der Lehre, Christian Albrechts Universität, Kiel, Germany - 2015 Implementing PBL, Teach & Snow, Zürich University of Applied Sciences - 2023

**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.**

Ongoing development and update of the PhD courses running every year: - Photovoltaic Power Systems - in theory and practice - Modelling of Renewable Energy Systems

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

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 pedagogic development, plans for following up on feedback/evaluations from students, etc.**

Type your answer here...

**8. Any other information or comments.**

Type your answer here...