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 F2812using 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 Universitet, 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 an 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...