

Teaching portfolio

1. Teaching CV: A list of teaching and supervision tasks, including specification of academic fields, scope, level (bachelor, master, continuing education, PhD). Please state the teaching method used (e.g. lecture, class teaching, exercises, supervision, examination, coexamination, distance teaching, internet-based teaching and evaluation of teaching). Please also indicate the language of instruction.

Courses: 1) Master course on Reliability (Modern Reliability from a Practical Approach) (2018 - present, annually) , group work teaching with exercises after lectures. 2) PhD course on Reliability of Power Electronic Systems (2019 - present, annually), 3-4 days short term intensive training, lectures, exercises, and lab sessions, course co-lecturer. 3) PhD course on Power Electronics - from Fundamentals to Advanced Topics (2021- present, annually), 4 days short term intensive training, lectures, exercises, and full-day lab sessions, course co-organizer and co-lecturer. 4) PhD course on Artificial Intelligence & Advanced Data Analytics in Power Electronics (2022 - present, annually), 2 days short-term intensive training, lectures, and exercises, course co-lecturer.

Supervision: Co-supervised 2 PhD students; supervised 5+ bachelor students in semester project and 2+ master students in individual projects.

2. Study/programme administration and management: Experience in programme management and coordination. A list of study administration tasks, e.g. study board membership, chair of study board, semester or course coordinator, accreditation tasks, etc. Experience in planning teaching activities. Experience in programme development. Participating in committees and commissions etc. on education issues.

Type your answer here...

3. Formal pedagogical training: A list of completed courses in university pedagogy, PBL courses, workshops, academic development projects, collegial guidance and supervision, etc. Written assessment from the course in university pedagogy for assistant professors. Participation in conferences on pedagogy and didactics. Please enclose any documentation of the above, such as course certificates, references, etc

1) Aalborg University Pedagogical Training (2024) Participation in the university pedagogical training for on teaching, supervision, and problem based learning and education model. The training spans an entire year and consists of a number of workshops, teaching experiments, residential courses, pedagogical supervisors observations in class, etc. 2) Supervisor Workshop - The PhD supervision process (2023)

4. Other qualifications: Conference contributions and attendance, contributions to debates, scientific articles on pedagogical issues etc. Peer supervision, editorials, mentoring experience or other types of competence development activities.

Editorial Board: Guest Associate Editor, IEEE Transactions on Power Electronics (2023-2024) and guest editorial board for 5+ special issues; Senior Editor, Elsevier E-Prime (2021- present);

Disseminations:

1) Keynote speech in PLECS Conference 2024 at Zurich, "Thermal of Power Electronics - from Fundamental Modeling to Coupling Effects" 12 March 2024. 2) Speech of the 11th International Power Semiconductor Reliability Round Table, "Reproducible Thermal Structure Analysis along Power Cycling of SiC MOSFETs," 12 October 2023. 3) Webinar of Siemens Digital Industrial Software, "Power cycling of the latest standard IGBT module for high power applications," 2022. 4) Webinar of Siemens Digital Industrial Software, "How to use test & simulation to tackle future thermal challenges," 2021.

5. Pedagogical development and research: Development of new courses, teaching materials, teaching methods, examination types or other types of pedagogical development. Didactic and pedagogical research. Cooperation with external collaboration partners.

Type your answer here...

6. References on your teaching skills from superiors or colleagues. Teaching evaluations and any teaching awards received.

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 pedagogical development, plans for following up on student feedback/evaluations, etc. Personal reflections on your own pedagogical practice, including objectives, methods and implementation. This should include an analysis and a reasoned description of your pedagogical activities in relation to your pedagogical understanding and student learning. Thoughts on the teaching method at Aalborg University (which is largely based on group-organised project work and problem-based learning)

Type your answer here...

8. Any other information or comments.

Type your answer here...