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.

PhD courses:
- Machine Learning, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2013, 2011, 2009, 2007.
- Deep Learning, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2015.
- Reinforcement Learning and Dynamic Programming, 2023, 2022, 2019
- Signal Processing for Hearing Assistive Devices (PhD course and Winter School), 2020, 2017.
- Advanced Speech Processing, 2015, 2007.
- Advanced Technologies for Green Wireless Communication Networks (data fusion part), 2015.
- Energy Efficient Technologies for Green Wireless Sensor Networks (energy-efficient data fusion part), 2014. - Sensors and RFID Networks, 2012.
- Internet of Things, 2009.

Master/undergraduate courses:
- Machine Learning (MSc course), 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 2013, 2012, 2011.
- Deep Learning (MSc course), 2023.
- Platforms and Methods for Multi-Modal System Architectures (MSc course), 2022, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 2012.
- B&O Innovation Camp, 2018, 2017, 2016, 2015, 2013, 2012.
- Research in Vision, Graphics and Interactive Systems, 2022, 2021, 2020, 2019, 2018, 2017.
- Programming Social Robots for Human Interaction (ICT Summer School), 2015.
- Extraction and Representation of Features (6th semester course), 2016, 2015, 2014, 2013, 2011.
- Multimedia Information and Signal Processing (ICT Summer School), 2013, 2012, 2011, 2010.
- Multi-Modal User Interaction (Master course), 2010, 2008.
- Digital Signal Processing (Master Course), 2010, 2009, 2008; 2007; 2006.
- Readings in Vision, Graphics and Interactive Systems (Master course).
- Internet of Things (Life-long Learning).
- Instrumentation and Data Acquisition (4th semester Course).
- Multi-Modal Interaction Design and Perception (Master course).
- Readings in Advanced Intellimedia (Master Course).
- Speech Processing (Master Course).
- Speech Communication (Master Course).

Supervision:
- 20+ PhD students.
- 100+ Bachelor/Master projects.
- 10+ postdocs.

Censor:
- DTU
- Århus University
- SDU

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.

Head of the PhD Programme "Electrical and Electronic Engineering"

Master Programme coordinator: Vision, Graphics and Interactive Systems (VGIS).

Semester coordinator: The 9th and 10th semesters of Vision, Graphics and Interactive Systems (VGIS).

Course coordinator for a number of courses, e.g., Machine Learning, Deep Learning, Platforms and Methods for Multi-Modal System Architectures, Programming Social Robots for Human Interaction, and Multimedia Information and Signal

Processing.

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

PBL course

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.

Type your answer here...

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.

Initiated many of the courses listed under the list of courses above and developed teaching materials for all of them. Example courses are Machine Learning, Deep Learning, Programming Social Robots for Human Interaction, Multimedia Information and Signal Processing, and Platforms and Methods for Multi-Modal System Architectures.

Developed Algorithm Illustration by Code (for the Machine Learning course) to help students to understand algorithms step by step via providing Python code

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)

Already have a good list of teaching activities that are highly related to research activities, and will take new initiatives as a developing and evolving process.

8. Any other information or comments.

Type your answer here...