

Undervisningsportfolio

1. Undervisnings-CV: Oversigt over undervisnings- og vejledningsopgaver med angivelse af fagområder, omfang, undervisningsniveau (bachelor, kandidat, efter-/videreuddannelse, ph.d.). Type af undervisningsform angives, f.eks. forelæsning, holdundervisning, øvelse, vejledning, eksamination, censur, fjernundervisning, internetbaseret undervisning og evaluering af undervisning. Undervisningssprog angives.

PhD courses:

- Machine Learning, 2026, 2025, 2024, 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, 2026, 2025, 2023, 2022, 2019.
- Self-Supervised Learning, 2024.
- 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), 2026, 2025, 2024, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 2013, 2012, 2011.
- Deep Learning (MSc course), 2026, 2025, 2024, 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:

- 30+ PhD students.
- 100+ Bachelor/Master projects.
- 10+ postdocs.

Censor:

- DTU
- Århus University
- SDU

2. Administration og ledelse af uddannelse: Erfaring med uddannelsesledelse og –koordinering. Oversigt over studieadministrative opgaver, eksempelvis medlem af studienævn, studieleder, semesterkoordinator, fagkoordinator, akkreditering m.v. Erfaringer med planlægning af uddannelsesafvikling. Erfaring med udvikling af uddannelser. Deltagelse i udvalg, kommissioner m.m. vedr. uddannelse.

- 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 MultiModal System Architectures, Programming Social Robots for Human Interaction, and Multimedia Information and Signal Processing.

3. Formel pædagogisk uddannelse: Oversigt over gennemførte universitetspædagogiske kursusforløb, PBL-kurser, workshops, udviklingsprojekter, kollegial supervision o.l. Udtalelse fra universitetspædagogikum. Deltagelse i konferencer om pædagogik og didaktik. Dokumentation i form af kursusbeviser, udtalelser m.m. vedlægges.

PBL course.

4. Andre kvalifikationer: Bidrag til konferencer, debatindlæg, videnskabelige artikler om pædagogiske emner m.v. Kollegiasupervision, redaktørarbejde, erfaring som mentor og anden kompetenceudvikling.

Skriv dit svar her...

5. Pædagogisk udvikling og forskning: Udvikling af nye kurser, undervisningsmateriale, undervisnings- og eksamensformer eller andet udviklingsarbejde. Didaktisk og pædagogisk forskning. Samarbejde med eksterne samarbejdspartnere.

Example courses are Machine Learning, Deep Learning, Reinforcement Learning, Self-Supervised 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. Udtalelser om undervisningskompetencer fra foresatte og kolleger. Undervisningsevalueringer og eventuelle udmærkelser for undervisningsvaretagelse.

Skriv dit svar her...

7. Evt. personlige refleksioner og initiativer: Personlige overvejelser knyttet til undervisning og vejledning, ønsker til og planer for pædagogisk videreudvikling, planer for opfølgning på undervisningsevalueringer m.v. Refleksioner over eget pædagogiske arbejde, dets målsætninger, metoder og gennemførelse. I refleksionen analyseres og motiveres dine pædagogiske aktiviteter i forhold til din pædagogiske forståelse og de studerendes læring. Tanker om undervisningsformen på Aalborg Universitet, der har et stort indhold af gruppeorganiseret projektarbejde og problembaseret læring (PBL).

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. Andet.

Skriv dit svar her...