

## 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.**

### 1. Teaching Activities:

(Spring 2023) Blockchain (belongs to course Advanced Network Security), (Master Level, 1 Lecture and Exercise, Language of Instruction: English), Aalborg University, Aalborg.

(Spring 2023) Traffic Analysis and Machine Learning (belongs to course Advanced Network Security), (Master Level, 1 Lecture and Exercise, Language of Instruction: English), Aalborg University, Aalborg.

(Spring 2023) Machine Learning for Healthcare (belongs to course Digitization of the health sector) (Bachelor Level, 4 Lectures and Exercises, Language of Instruction: English), Aalborg University, Copenhagen.

(Spring 2023) Introduction to Probability Theory and Statistics (Bachelor Level, 6 Exercises, Language of Instruction: English), Aalborg University, Copenhagen.

(Autumn 2022) Cyber Security Foundations and Analytics (Self-Designed Elective, Master Level, All Lectures and Exercises, Teaching Evaluation: 4.6/5, Language of Instruction: English), CBS, Copenhagen.

(Autumn 2022) Foundations of Data Science: Programming and Linear Algebra (Master Level, 6 Lectures and Exercises, Language of Instruction: English), CBS, Copenhagen.

I also have expertise in teaching Computer Architecture, Computer Networks, C, Python, Cryptography, Blockchain, Machine Learning, Linear Algebra etc.

### 2. Master Theses Supervisor (in English)

(Spring 2023): Supervising 3 students in the field of Machine Learning, Blockchain and Cybersecurity, Aalborg University, Copenhagen.

(Autumn 2022): Supervised 2 student in the field of Machine Learning and Blockchain, CBS, Copenhagen.

(Spring 2022): Supervised 1 student in the field of Machine Learning, CBS, Copenhagen.

Apart from that, I externally supervised 6 master students and 2 PhD students from abroad universities in the field of Cryptography, Machine Learning and Blockchain.

### 3. Semester Project Supervisions (in English)

(Spring 2023) Co-supervisor: JAVA application (CCT4) – 2 students, Aalborg University, Copenhagen.

(Spring 2023) Co-supervisor: JAVA application (CCT4) – 3 students, Aalborg University, Copenhagen.

(Autumn 2022): Supervisor: Blockchain – 4 students, CBS, Copenhagen.

(Autumn 2022): Supervisor: Distributed Ledger and Cryptography – 4 students, CBS, Copenhagen.

(Autumn 2022): Supervisor: Machine Learning – 4 students, CBS, Copenhagen.

**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.**

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**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.**

(March 2023) Basic Course in PBL for University Teachers, Aalborg University, CPH, Denmark

(May 2022) Supervision of master's theses, CBS, Copenhagen, Denmark

(May 2022) Learning to teach, CBS, Copenhagen, Denmark

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

Reviewer/Reviewer Board Member:

I am reviewer of approximately 80 different journals and many conferences and reviewed more than 500 research papers. At the same time, I am also serving as reviewer board member of several journals.

Editorial Board Member:

International Journal of Data Mining, Modelling and Management

International Journal of Data Science

Journal of Surveillance, Security and Safety

Program Committee:

18th International Conference on Availability, Reliability and Security (ARES), Benevento, Italy (2023)

24th International Conference On Distributed Computing And Networking, Kharagpur, India (2023)

14th International Symposium on Cyberspace Safety and Security, Xi'an, China (2022)

17th International Conference on Availability, Reliability and Security (ARES), Vienna, Austria (2022)

The 2nd International Workshop on Security and Privacy in Intelligent Infrastructures, Vienna, Austria (2022)

IEEE Conference on Strategic Models in Computing Applications, IIIT Dharwad, Dharwad, India (2022)

13th International Symposium on Cyberspace Safety and Security, Copenhagen, Denmark (2021)

16th International Conference on Availability, Reliability and Security (ARES), Vienna, Austria (2021)

The Seventeenth Advanced International Conference on Telecommunications, Valencia, Spain, (2021)

5th EAI International Conference on Advanced Hybrid Information Processing, Yantai, China (2021)

International Conference on Machine Intelligence and Data Science Applications, Cumilla, Bangladesh (2021)

International Workshop on IoT Big Data and Blockchain, Los Angeles, CA, USA (2019)

International Conference on Computational Intelligence, Security and Internet of Things, NIT, Agartala, India. (2019)

Editing Books (Ongoing):

Demystifying Big Data Analytics for Industries and Smart Societies (CRC Press, Taylor & Francis Group)

Revolutionizing Healthcare Through Artificial Intelligence and Internet of Things Applications (IGI Global)

Special Issues Guest Editorship:

Special Issue: Internet of Things, Elsevier, "IoT assisted Smart Solutions for Combatting Covid-19 Pandemic"

Special Issue: Journal of Grid Computing, "Machine Learning at the Edge for the Cloud Continuum"

Special Issue: Real-time Video and Image Analysis in Embedded Systems, EURASIP Journal on Advances in Signal Processing, Springer

Special Issue: Artificial Intelligence for Geo-Informatics and Remote Sensing, Geo-spatial Information Science, Taylor & Francis

Special Issue: Sensors, "Data Privacy, Security, and Trust in Blockchain and IoT based networks" (Closed)

Special Issue: International Journal of Sustainable Development & World Ecology, Taylor & Francis, "Current Trends in Forecasting Technologies for Environmental Monitoring and Climate Change"

Special Issue: International Game Theory Review, "Strategic Models in Computing Applications"

Special Issue: Electronics, "Power Electronics, Control, and Protection Systems for Smart Grid Applications"

Special Issue: Frontiers in Blockchain, "Blockchain for United Nations Sustainable Development Goals (SDGs)" (Closed)

Special Issue: Computer Modeling in Engineering & Sciences, "Artificial Intelligence of Things (AIoT): Emerging Trends and Challenges"

Special Issue: Knowledge Extraction and Transfer in Evolutionary Optimization, Journal of Universal Computer Science (J.UCS)

Special Issue: International Journal of Agricultural and Environmental Information Systems (IJAEIS), "Deep Learning-enhanced Agriculture Vision for Plant Disease Detection and Prevention".

Special Issue: International Journal of Agricultural and Environmental Information Systems (IJAEIS), "Deep Learning-enhanced Agriculture Vision for Plant Disease Detection and Prevention"

Call for Chapters: Demystifying Big Data Analytics for Industries and Smart Societies (CRC Press, Taylor & Francis Group)

Call for Chapters: Revolutionizing Healthcare Through Artificial Intelligence and Internet of Things Applications

Conference Attended/Oral Presentations/Poster Presentations:

2022 Law, Innovation and Vulnerability , April 28, 2022 at University of Copenhagen, Denmark

2020 The 17th IEEE International Conference on Mobile Ad-Hoc and Smart Systems (MASS 2020), Oct 1-4, 2020 at Delhi, India (Oral Presentation)

2019 (HLF) Heidelberg Laureate Forum , September 22-27, 2019 at Heidelberg, Germany

2019 SAC 2019: SAC Summer School and Conference , August 12-16, 2019 at Waterloo, ON, Canada

2018 WINE 2018: The 14th Conference on Web and Internet Economics, December 15-17, 2018 at Oxford, United Kingdom (Poster Presentation)

2018 The International Conference on Operational Research (KOI), September 26-28, 2018 at Zadar, Croatia (Oral Presentation)

2018 GAMENET Conference, September 17-21, 2018 at Krakow, Poland

2018 The 15th International Conference on Security and Cryptography (SECRYPT), July 24-26, 2018 at Porto, Portugal (Poster Presentation)

2018 International Workshop on the Arithmetic of Finite Fields (WAIFI) , June 14-16, 2018 at Bergen, Norway

2018 Central European Conference on Cryptology (CECC), June 6-8, 2018 at Smolenice, Slovakia (Oral Presentation)

2018 The Ninth International Conference on Post-Quantum Cryptography (PQCrypto), April 9-11, 2018 at Fort Lauderdale, Florida, USA

2018 Real World Crypto 2018 (RWC), January 10-12, 2018 at Zurich, Switzerland

2017 The 14th International Conference on Security and Cryptography (SECRYPT), July 24-26, 2017 at Madrid, Spain (Oral Presentation)

2017 17th Central European Conference on Cryptology, June 28-30, 2017 at Warsaw, Poland (Oral Presentation)

2017 Summer school on real-world crypto and privacy, June 5-9, 2017 at Sibenik, Croatia  
2016 Summer school on real-world crypto and privacy, June 5-10, 2016 at Sibenik, Croatia  
2016 Fast Software Encryption Conference, March 20-23, 2016 at Bochum, Germany  
2016 Spring School on Symmetric Cryptography, March 17-19, 2016 at Bochum, Germany

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

(Autumn 2022) Cyber Security Foundations and Analytics (Self-Developed Elective, Master Level, All Lectures and Exercises, Teaching Evaluation: 4.6/5, Language of Instruction: English), CBS, Copenhagen.

**6. Udtalelser om undervisningskompetencer fra foresatte og kolleger. Undervisningsevalueringer og eventuelle udmærkelser for undervisningsvaretagelse.**

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**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).**

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**8. Andet.**

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