

## Undervisningsportfolio

### 1. Undervisnings-CV: Oversigt over undervisnings- og vejledningsopgaver med angivelse af fagområder, omfang, niveau (BA, kandidat, EVU, Ph.d) samt evt. censoropgaver.

Oversigt over undervisnings- og vejledningsopgaver med angivelse af fagområder, omfang, niveau (BA, kandidat, EVU, Ph.d) samt evt. censoropgaver. Emneområder: Internet technologies and design principles, content networking, service architectures, personalization; user profiles, digital identities, self-sovereign identities, digital identity wallets, identity management, privacy, trust, policies, access to protected resources (technologies and principles); IoT and cloud architectures, containers and orchestration, cloud native, microservices, design principles, IoT reference frameworks, IoT and cloud security Kurser på kandidatniveau: •Internet technologies and service architectures (5 ECTS) oOffered on ICTE1 (mandatory), taught in English oClasses of 5-35 students oCourse responsible 2009 – now oCourse development and planning, lectures, exercises and group work, assignments, examination •Identity and access management (5 ECTS) oOffered on ICTE2 (mandatory) and CYBER2 (currently elective, mandatory from 2024), taught in English oFormerly called Application Security and Identity Management oClasses of 5-45 students oCourse responsible 2010 – now, co-taught with different colleagues, taught 50-60 % of the lectures oCourse development and planning, lectures, exercises and group work, assignments, examination •Security in IoT and cloud architectures (5 ECTS) oOffered on CYBER1 (mandatory), taught in English oClasses of 30-40 students oCourse responsible 2022 – now, co-taught with a teaching assistant oCourse development and planning, lectures, exercises and group work, assignments, examination •Enterprise security and compliance (5 ECTS) oOffered on ICTE3 (elective) and CYBER3 (elective), taught in English oFormerly called Cyber security and trust oClasses of 8-20 students oTaught by an external lecturer, I act as the main contact person at CMI oCourse development and planning, co-examination Tidligere aktiviteter: •2008-2015: Underviste kurser på efteruddannelsen "Master in ICT". Projektvejledning: •MSc ICTE (2009 - now): A large number of semester and thesis projects, several academic internship projects •MSc CYBER (2021 – now): A smaller, but growing number of semester and thesis projects •BSc ITCOM (2018 – 2022): A few semester and thesis projects •BSc SOFTWARE (2021-2022): 2 semester projects on SW1, 1 semester project on SW2 Censur (intern): ITCOM, BSc: Network and application security, Communication and media technologies, Next generation networks, ~6-8 semester projects ICTE, MSc: Enterprise security and compliance (Cyber security and trust), Content and media management, semester and internship projects PhD vejledning: Joseph Kwame Adjei, "A Case for Citizen Centric National Identity Management Systems: Crafting a Trusted National Identity Management Policy" (2010-2013) Eric Kuada, "Social Network Approach to Provisioning and Management of Cloud Computing Services for Enterprises" (2011-2014) Per Lynggaard, "Artificial intelligence and Internet of Things in a "smart home" context: A Distributed System Architecture" (2011-2013) Prashant Dhotre, "Managing and Visualising Personal Information Privacy using a Life Management Platform" (2014-2017). Gitanjali Shinde, "Cluster framework for Internet of People, Things and Services (IoPTS)" (2014-2018).

### 2. Studieadministration: Oversigt over studieadministrative opgaver, eksempelvis medlem af studienævn, studieleder, semesterkoordinator, fagkoordinator, akkreditering m.v.

Oversigt over studieadministrative opgaver, eksempelvis medlem af studienævn, studieleder, semesterkoordinator, fagkoordinator, akkreditering m.v. -•Extensive experience in planning of teaching activities (see Item 1) and programme development (ICTE, CYBER) •Programme coordinator for the MSc programme on "Innovative Communication technologies and entrepreneurship" (ICTE). •Semester coordinator for semesters ICTE1, ICTE2 and ICTE4. •Accreditation 2014-2015: Significant workload on re-accreditation of the ICTE MSc programme (~150 hours) •Editor of the ICTE curriculum •Evaluation of applicants for the ICTE programme •Member of the study board for Electronics and IT •PR activities for CMI's teaching programmes, in particular ICTE (Open House, websites, presentations, webinars, printed material, posters, ...) •2018-2019: Major contributor to the pre-qualification application for the MSc programme in cyber security •Former member of the department teaching committee and chairman of CMI's teaching committee •2021: Chairman of ES working group on revision of ICTE •2018 – now: Chairman of the education planning group for ICTE.

### 3. Universitetspædagogiske kvalifikationsforløb: Oversigt over gennemførte universitetspædagogiske kursusforløb, PBL-kurser, workshops, udviklingsprojekter, kollegial supervision o.l.

Oversigt over gennemførte universitetspædagogiske kursusforløb, PBL-kurser, workshops, udviklingsprojekter, kollegial supervision o.l. Omfattende pædagogisk erfaring fra tidligere ansættelse som lektor på DTU 1999-2008, har deltaget i mange workshops på DTU Learning Lab. Ansat direkte som lektor på AAU på grundlag af tidligere kvalifikationer. Har gennemført og deltaget i AAU-kurser om Introduction to PBL, seminarer og workshops om PBL. Løbende udvikling af undervisningsmetoder og arbejde med kvalitetssikring gennem studienævnet for "Elektronik og IT".

### 4. Anden form for kvalificering: Konferencedeltagelse, debatindlæg, oplæg m.v. i relation til uddannelse, "Undervisningens dag", o.l.

Konferencedeltagelse, debatindlæg, oplæg m.v. i relation til uddannelse, "Undervisningens dag", o.l. Vejleder for "Adjunktpædagogikum" for 2 kollegaer (Emmanouil Vasilomanolakis, Cedomir Stefanovic).

## **5. Undervisningsudviklingsforløb og undervisningsmateriale: Oversigt over medvirken til udvikling af nye moduler, undervisningsmateriale, uddannelser, e-learning, samarbejde med eksterne samarbejdspartnere o.l.**

Oversigt over medvirken til udvikling af nye moduler, undervisningsmateriale, uddannelser, e-learning, samarbejde med eksterne samarbejdspartnere o.l. Developed new courses and course material as part of CMI's MSc and master programmes: - Internet technologies and service architectures - Application security and identity management - Identity and access management Developed and tested a special peer-reviewing format and procedure for semester project meetings held twice every semester. Formulated guidelines for semester projects and academic internships. Collaboration with several companies on student projects.

## **6. Nominering til og/eller modtagelse af undervisningspriser.**

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.**

Personlige overvejelser knyttet til undervisning og vejledning, ønsker til og planer for pædagogisk videreudvikling, planer for opfølgning på undervisningsevalueringer m.v. Skriv dit svar her...

## **8. Andet.**

Skriv dit svar her... Lang erfaring med undervisning fra DTU: 1980-1984, DTU, Electromagnetics Institute, PhD student and postdoc: Developed teaching material and gave lectures in "Optical communication systems" and supervised a large number of MSc projects. As a postdoc I co-supervised a number of PhD projects. 1984-1995, TFL / Tele Danmark Research: Employed at TFL Telecommunications Research Laboratory, continued the above-mentioned lecturing and supervision activities at DTU. 1999-2008, DTU, CTI/CICT, Associate professor: Course responsible for MSc courses on "Future mobile communication systems and services" and "Multimedia and communication services". Gave lectures in other courses at COM/DTU Photonics. Supervised a large number of MSc projects and other student projects. Supervisor for 5 PhD projects. Member of department study boards at COM/DTU Photonics and IMM. Chairman of the teaching committee at CTI/CICT. Programme coordinator for MSc specialization in ICT