Pedagogical Training

Spring 2020	Academic Teacher Training Course, 5 weeks, Uppsala University.
Spring 2020	Assessment, Grading, and Feedback, 1 week, Uppsala University.
Spring 2020	"Teaching and Assessing Academic Writing", 2 days, Uppsala University.
Spring 2019	Supervision of PhD Students, 3 weeks, Uppsala University.
Fall 2016	"Tenure Track 2.0" - Personal Development Program at Delft University of Technology (TU Delft). The program consisted of 5 days of sessions, plus 2 practice periods of 3 weeks, conducted over a period of 3-4 months.
Spring 2012	"Basic Communication and Teaching", 3 ECTS, KTH Royal Institute of Technology.

Pedagogical Experience and Development Work

Uppsala University

Spring 2022	Safety and Security in Control Systems (MSc, 5 ECTS), Under development. Course co-developer, with Prof. Alexander Medvedev (Dept. of IT).
Fall 2021	1DT098 - Security and Privacy (MSc, 7.5 ECTS). Course co-developer, with Prof. Christian Rohner (Dept. of IT).
Fall 2021	1DT111 - Introduction to Cybersecurity, online life-long learning course (4 weeks). Course co-developer with Dr. Kristiaan Pelckmans and Prof. Christian Rohner (Dept. of IT).
Fall 2020	Cybersecurity: an academic perspective into recent application domains, open online course (4 weeks). Course co-developer with Dr. Kristiaan Pelckmans and Prof. Christian Rohner (Dept. of IT).
Fall 2020	Reinforcement Learning, open online course (6 weeks). Course co-developer with Dr. Per Mattsson (Dept. of IT) and Dr. Ayca Özcelikkale (Dept. of EE).
Spring 2020	Cyber-Physical Security of Networked Control Systems (PhD, 5 ECTS). Course co-developer with Prof. Henrik Sandberg (KTH).
Spring 2020	Reinforcement Learning, Faculty-common course (PhD, 5 ECTS). Course co-developer with Dr. Per Mattsson (Dept. of IT) and Dr. Ayca Özcelikkale (Dept. of EE).
2019–2021	Reading group on "Machine Learning" (PhD). Co-developer with Dr. Ayca Özcelikkale.
2019–2021	Reading group on "Network and Cyber-Physical Systems Security" (PhD). Co-developer with Prof. Thiemo Voigt and Prof. Christian Rohner.
2017–2021	1TE717 - Digital Technologies and Electronics (BSc, 10 ECTS). Course responsible.
2019	1TE767 - Automatic Control for Electrical Engineersl (BSc, 5 ECTS). Course responsible.
2017-2019	1TE683 - Logic and Automatic Control (BSc, 5 ECTS). Course responsible.

Delft University of Technology

2015–2017	SEN1631 - Data Analytics for Secure Critical Infrastructures (MSc,5 ECTS). Course developer and responsible.
2015–2017	TB341IB - I&C Risk and Control (BSc, 5 ECTS). Co-lecturer.
2015–2017	CS4305 - Cyber Data Analytics (MSc, 5 ECTS). Co-responsible and lecturer.
2015–2017	TB242IA - Intelligent Data Analysis (BSc, 5 ECTS). Course responsible.
2016	SPM4450 - Fundamentals of Data Analytics (MSc, 5 ECTS). Course responsible.
2016	Cyber-Physical Security of Networked Control Systems (PhD, 3 ECTS). Course co-developer and lecturer, KTH Royal Institute of Technology

Pedagogical Leadership

2019–2021	Teacher Representative in the Board of the Master's Programme in Computer and Information Engineering.

List of Acquired Pedagogical Grants

2019–2021	FACE-IT: Fostering Awareness on program Contents in higher Education using IT tools. Innovation project, Erasmus+, EU (co-applicant). EUR 166 500.
2019–2020	Knowledge Ladders. Project grants for pedagogic development, PUMA, Uppsala University (co-applicant). 100 kSEK.
2019–2021	Changes in Ambition, Motivation and Performance in University Students. Didactic projects, Faculty of Science and Technology, Uppsala University (co-applicant). 1 200 kSEK.

Pedagogical Publications

A. M. H. Teixeira, K. Staffas, S. Knorn, A. Guerra, D. Varagnolo. "Computer-aided curriculum analysis and design: existing challenges and open research directions". IEEE/ASEE Frontiers in Engineering Education, Uppsala, Sweden, 2020.

K. Staffas, S. Knorn, A. Guerra, D. Varagnolo, and **A. M. H. Teixeira**. "Using different taxonomies to formulate learning outcomes to innovate engineering curriculum towards PBL: perspectives from engineering educators". 8th Int. Research Symp. on PBL, Aalborg, Denmark, 2020.

E. Fjällström, K. Atta, S. Knorn, F. Sandin, G. Sas, K. Staffas, **A. M. H. Teixeira**, and D. Varagnolo. "Creating a quantitative basis for course and program development in higher education - a report from field tests". In Proc. 7th Development Conf. for Swedish Engineering Education, Luleå, Sweden, 2019.