

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 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–present Reading group on “Machine Learning” (PhD). Co-developer with Dr. Ayca Özcelikkale.
 2019–present Reading group on “Network and Cyber-Physical Systems Security” (PhD). Co-developer with Prof. Thiemo Voigt and Prof. Christian Rohner.
 2017–present 1TE717 - Digital Technologies and Electronics (BSc, 10 ECTS). Course responsible.
 2019 1TE767 - Automatic Control for Electrical Engineers I (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 TB3411B - 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 TB2421A - 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–present 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.