

## Pedagogical Training

- 2021 – 2023 Leadership programme for Future Research Leaders, 10 modules of 2 days each, Swedish Foundation for Strategic Research.
- 2020 Academic Teacher Training Course, 5 weeks, Uppsala University.
- 2020 Assessment, Grading, and Feedback, 1 week, Uppsala University.
- 2020 “Teaching and Assessing Academic Writing”, 2 days, Uppsala University.
- 2019 Supervision of PhD Students, 3 weeks, Uppsala University.
- 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.
- 2012 “Basic Communication and Teaching”, 3 ECTS, KTH Royal Institute of Technology.

## Pedagogical Experience and Development Work

### Uppsala University

- 2025–present 1DT114 - Data Security and Privacy (MSc, 5 ECTS). Course co-developer, with Prof. Christian Rohner (Dept. of IT).
- 2022–present Safety and Security in Control Systems (MSc, 5 ECTS). Course co-developer, with Prof. Alexander Medvedev (Dept. of IT).
- 2021–2023 1DT098 - Security and Privacy (MSc, 7.5 ECTS). Course co-developer, with Prof. Christian Rohner (Dept. of IT).
- 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).
- 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).
- 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).
- 2020 Cyber-Physical Security of Networked Control Systems (PhD, 5 ECTS). Course co-developer with Prof. Henrik Sandberg (KTH).
- 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 Engineers (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

- 2022–present Coordinator of the Graduate School in Cybersecurity at the Dept. Information Technology.
- 2019–2021 Teacher Representative in the Board of the Master’s Programme in Computer and Information Engineering.

## List of Acquired Pedagogical Grants

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|-----------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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.