
Per Fors

Assistant Professor in Industrial Engineering and Management

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PHD EDUCATION

Mar 2013 – Mar 2019 (Uppsala University, Department of Engineering Sciences)

PhD education. Thesis: "Problematizing Sustainable ICT" defended at Ångströmlaboratoriet with Saara Taalas as the opponent, in March of 2019.

EMPLOYMENTS

Jul 2021 – (Uppsala University, Department of Civil and Industrial Engineering)

Assistant Professor in Industrial Engineering and Management (Biträdande universitetslektor i Industriell ekonomi). Supervision, teaching and administrative tasks (50%), Research (50%)

Jun 2021 – Jul 2021 (Uppsala University, Department of Civil and Industrial Engineering)

Adjunct. Supervision, teaching and administrative tasks (80%), Research (20%).

Jun 2019 – Jun 2021 (Uppsala University, Department of Civil and Industrial Engineering)

Postdoctoral scholar, "Values in innovation and Industrial Development: Ethics and Industrial Analytics." Supervision, teaching and administrative tasks (20%), Research (80%).

Aug 2012 – Mar 2013 (Uppsala University, Department of Engineering Sciences)

Research assistant. Supervision, teaching and administrative tasks (20%), Research (80%).

RESEARCH AND OTHER RELEVANT GRANTS

1. Centre for Integrated Research on Culture and Society (CIRCUS): *Matters of Life and Death: A Cross-cutting Approach to the Endings of Things*. 250.000 SEK. Main applicant: Sebastian Abrahamsson.
2. Energimyndigheten (Swedish Energy Agency): *Game On? Mapping Environmentally Sustainable Trajectories for Video Games*. 7 MSEK. Main applicant: Mike Hazas.
3. Vetenskapsrådet (Swedish Research Council): *Den digitala rätten att reparera: en studie av rättsliga ideal, offentliga kontroverser och trassliga praktiker*. 5,031 MSEK. Main applicant: Sebastian Abrahamsson.
4. STINT/JSPS Sweden-Japan Collaborative Research grant: *Ethics and sustainability of Information and Communications Technologies*. 1,2 MSEK. Main applicants: Thomas Lennerfors and Kiyoshi Murata.
5. Jubelfeststip, tek-nat fak. *Information and Communication Technology for Sustainability and Ethics: Cross-national Studies between Japan and Sweden*. 30.000 SEK. Main applicant: Per Fors.
6. Vinnova: *Genomförbarhetsstudie, digital säkerhet och etisk AI*. 498.000 SEK. Main applicant: LightNet Foundation.
7. JSPS Alumni Club: *Grant for the workshop Japanese ethics and technology*. 50.000 SEK. Main applicant: Thomas Lennerfors.

8. OEEricssons Stiftelse: *Att konservera och bevara regalskeppet Vasa: en studie om kunskapsproduktion mellan museer, forskare och allmänheten*. 70.000 SEK. Main applicants: Marcus Lindahl and Ingela Bjurhager.

PEDAGOGICAL QUALIFICATIONS

Supervising Doctoral Students (5 credits, Uppsala University, Division for Quality Enhancement, Academic Teaching and Learning, 2024).

Teaching Sustainability in Higher Education - From Theory Into Practice (80 hours, Snowflake Education, 2023)

Hands-on: Renew your online teaching (16 hours, The Council for Educational Development at the Faculty of Science and Technology (TUR), 2021)

Distance teaching: How can we promote student-teacher and student-students social interactions (4 hours, The Council for Educational Development at the Faculty of Science and Technology (TUR), 2021)

Academic Teacher Training Course (7,5 credits, Uppsala University, Division for Quality Enhancement, Academic Teaching and Learning, 2013)

Other pedagogical qualifications: I have also attended conferences (FIE, TUK, and SCAIEM) and seminars (TUR) related to pedagogical research and development, hosted internal seminars and workshops concerning pedagogy (e.g. case-based education, AI in education), and conducted and published pedagogy-related research.

TEACHING EXPERIENCE

First- and second-cycle courses

Industrial Project Management (IEM, 2012-2020. English and Swedish. Between 20 and 200 students per course. Formal course responsibility between 2019 and 2020.)

Engineering Ethics (IEM, 2012-2017. English and Swedish. Between 10 and 100 students per course.)

Upscaling and Materials Economy (IEM, 2014. 50 students. Guest lecturer.)

Sustainable Design – Ecology, Culture and Human Built Worlds (CEMUS, 2017. English. 40 students. Guest lecturer.)

Managing Sustainability in Global Industrial Companies (IEM, 2019-. English. Between 60 and 200 students per course. Course responsible teacher.)

Human-Computer Interaction (CEMUS, 2020. Swedish. 80 students. Guest lecturer.)

Technology, Power and the Future of Humanity (CEMUS, 2020. Swedish. 40 students. Workshop leader.)

Leadership for Engineers (IEM, 2021-2023. Swedish. Between 150 and 175 students per course. Course responsible teacher.)

Introduktion till industriell utveckling (IEM, 2021. Swedish. 20 students. Module responsible teacher.)

Hållbar utveckling B-uppsatskurs (CEMUS, 2021-. Swedish. 40 students. Guest lecturer.)

Industrial Dynamics and Sustainability Transitions (IEM, 2022-. Swedish. Between 45 and 65 students per course. Module responsible teacher.)

Introduktion till materialvetenskap (Material Science and Engineering, 2023-. Swedish. Between 60 and 80 students per course. Module responsible teacher.)

Industriell ekonomi IV: Företaget och omvärlden (IEM, 2024-. Swedish. 65 students. Course responsible teacher.)

IT, sustainability and social responsibility (Department of IT, 2024-. Swedish and English. 20 students. Guest lecturer and workshop leader.)

Climate change leadership in practice (CEMUS, 2024. English. 20 students. Guest lecturer and workshop leader.)

Third-cycle courses

Ethics in Technology and Science (Department of IT, 2020-. English. Between 25 and 40 students per course. Given three times per year. Module responsible teacher.)

Integrating sustainability into research (Department of IT, 2024-. English. 15 students. Guest lecturer.)

Supervision

Supervisor/Subject reader of approximately 50-55 master and bachelor thesis students, in programmes such as Industrial Management and Innovation, Mechanical Engineering, Sociotechnical Systems Engineering (STS), Sustainable Development, Chemistry and Material Sciences, and Construction Engineering.

Co-supervisor of PhD student Ossian Nordgren, in Computer Science with a specialty in Human-Computer Interaction. Preliminary thesis title: "Game On? Identifying Environmentally Sustainable Trajectories for Video Games." Planned defense: August 2028.

Co-supervisor of PhD student Daniel Aditya Tjhin, in Engineering Physics with a speciality in Industrial Engineering and Management. Preliminary thesis title: "Exhibiting Progress: Temporality in Innovation, Technoscience and Art." Planned defense: December, 2026.

OTHER QUALIFICATIONS

Environmental Ombudsman at the Division of Industrial Engineering and Management (2021-). Among other things involved in drafting the Uppsala University Environmental Plan 2026-2028.

Board member at the Centre for Research Ethics & Bioethics (CRB) (2024-)

IVA's 100 List 2023: Swedish innovations with great potential: *Den digitala rätten att reparera: en studie av rättsliga ideal, offentliga kontroverser och trassliga praktiker.*

Chair of IFIP TC9 Working Group 9.9: ICT and Sustainable Development (2021-2024)

Member of the Program Committee of IFIP TC9: ICT and Society (2018-2023)

Member of the Technical committee of SIS TK550: Sustainable ICT (2013-2014)

Co-organizer of SAC Activity Seminar: Japanese Ethics and Technology (2015)

Opponent at Marije Poort's Research Proposal seminar at the Div. of Industrial Engineering and Management (2021)

Chair at mid-term and final seminars for several PhD students at the Div. of Industrial Engineering and Management.

Conference chair at Scandinavian Academy of Industrial Engineering and Management (ScaIEM) conference ("Teaching ethics and sustainability for IEM students" track) (2020), Human Choice and Computers (HCC) conference ("ICT and Sustainable Development" track) (2019), Standing Conference on Organizational Symbolism (SCOS) ("Learning" track) (2019).

Peer-review for the academic journals such as *Nature Communications*, *Information Technology & People*, *Sustainability*, *The Review of Socionetwork Strategies*, *Culture and Organization*, and more. **Peer-review** for the academic conferences *International Conference on Information Systems*, *Human Choice and Computers*, *Human Factors in Computing Systems*. **Peer-review** for book proposals and book chapters for *Routledge* and *Springer*.

Outreach, including collaboration with companies, (inter)governmental organizations, and NGOs through research and research proposals, education, reports, and debate articles, as well as public presentations and workshops in non-academic contexts (recent examples include presentations at "Uppsala:2030" about Circular Economy, "ForDevs" about AI in Game Development and "Sustainable Games Alliance (SGA) Workshop" about Sustainability in the Swedish Video Game Industry).