

PERSONAL INFORMATION

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ACADEMIC POSITIONS

2021–present Associate Professor in Computer Science with specialization in Cybersecurity
 Department of Information Technology, Uppsala University, Uppsala, Sweden
 2017–2021 Assistant Professor in Signal Processing (Tenure Track)
 Department of Electrical Engineering, Uppsala University, Uppsala, Sweden
 2015–2017 Assistant Professor in Cybersecurity of Critical Infrastructures (Tenure Track)
 Faculty of Technology, Policy, and Management, TU Delft, Delft, The Netherlands
 2014–2015 Post-doctoral Researcher, KTH Royal Institute of Technology, Stockholm, Sweden

EDUCATION

2014 Ph.D. in Automatic Control, KTH Royal Institute of Technology, Stockholm, Sweden
 2012 Licentiate in Automatic Control, KTH Royal Institute of Technology, Stockholm, Sweden
 2009 M.Sc. in Electrical and Computers Engineering, Universidade do Porto, Porto, Portugal

LEADERSHIP TRAINING

2021–2023 Leadership Program SSF Future Research Leaders 7.
 2016 Leadership and Personal Development Program at Delft University of Technology.

LONGER RESEARCH VISITS

MIT – Massachusetts Institute of Technology, USA, May-June 2013. **University of California Berkeley**, USA, March-April 2013, August-November 2009. **University of Oxford**, UK, February 2011. **Lund Center for Control of Complex Engineering Systems, Lund University**, Sweden, January-February 2010.

LEADERSHIP ACTIVITIES (selected)

2023–present Deputy Head of Division, [Division of Systems and Control](#).
 2022–present Director of the [Uppsala Secure Learning and Control Laboratory](#).
 2019–present Coordinator of the [Cybersecurity Arena](#) at the Dept. of Information Technology.
 2022–present Member of the [Equal Opportunities Group](#) at the Department of Information Technology.

SUPERVISION OF GRADUATE STUDENTS

2024–present David Vävingren (Co-supervisor), *Adversarial Statistical Learning*
 2024–present Xinyu Wei (Main supervisor), *Adverse Interactions in Distributed Voltage Control*
 2024–present Ville K. Mattsson (Main supervisor), *Secure Control Systems*
 2023–present Alessandro Varalda (Co-supervisor), *Closing the loop in Real-Time Cyber-Neural Systems*
 2023–present Lovisa Eriksson (Main supervisor), *Security and Safety in Machine Learning*
 2023–present Usama Zafar (Co-supervisor), *Secure Federated Machine Learning*
 2022–present Zhenlu Sun (Co-supervisor), *Data-driven Vulnerability Analysis*
 2021–present Sanja Karilanova (Co-supervisor), *Data Processing with Spiking Neural Networks*
 2021–present Anh Tung Nguyen (Main supervisor), *Secure Large-Scale Control Systems*
 2019–2025 Fatih Emre Tosun (Main supervisor), *ensor Attack Detection in Artificial Pancreas Systems: A Control-theoretic Approach*
 2019–2024 Sribalaji Coimbatore Anand (Main supervisor), *Risk-Based Analysis and Design of Secure Control Systems*
 2015–2020 Saba Chockalingam (Daily Co-supervisor) TU Delft.
 2015–2017 Daily supervisor of 4 PhD students, TU Delft

SUPERVISION OF POSTDOCTORAL FELLOWS

2024–present	Javad Parsa (Main supervisor), <i>Secure Federated Learning</i>
2024–present	Jingwei Dong (Main supervisor), <i>Model-based Anomaly Detection</i>
2023–present	Daniel Arnström (Main supervisor), <i>Security Certificates for Control Systems</i>
2023–present	Ruslan Seifullaev (Main supervisor), <i>Secure Networked Control</i>
2023–present	Alain Govaert (Main supervisor), <i>Resilience and Security in Dynamic Systems</i>
2022–2023	Mohamed Abdalmoaty (Co-supervisor), <i>Privacy and Security in Control Systems</i>
2019–2022	Arunava Naha (Co-supervisor), <i>Statistical Change Detection</i>
2020–2021	Abbas Arghavani (Co-supervisor), <i>Covert Wireless Communications</i>

RESEARCH FELLOWSHIPS AND AWARDS (selected)

2024	IEEE CSS TC Outstanding Student Paper Prize 2024 (co-author)
2023	Wallenberg Academy Fellow, the Knut and Alice Wallenberg Foundation
2023	Lilly and Sven Thuréus prize, The Royal Society of Sciences at Uppsala
2020	Future Research Leader 7 Grant, The Swedish Foundation for Strategic Research
2018	Starting Grant, Swedish Research Council
2018	Honorable Mention for the Paul M. Frank Award at SAFEPROCESS, IFAC
2016	Finalist for the Young CRITIS Award, CIPRNET
2015	Finalist for the 2015 EECI Annual European PhD Award on Control for Complex and Heterogeneous Systems, EECI
2014	Best Student-Paper Award, IEEE Conference on Control Applications

RESEARCH PROJECTS (selected)

2025-2029	Wallenberg Academy Fellow, Knut and Alice Wallenberg Foundation. <i>5 MSEK</i> .
2023-2027	Prob4Sec: Probabilistic Methods for Secure Learning and Control, Swedish Research Council (Vetenskapsrådet). <i>Principal investigator. 4.1 MSEK</i> .
2023-2026	ADVOLCANO - Adverse Voltage Controllers' Interactions in Active Distribution Networks, The Swedish Energy Agency. <i>co-PI. 6 MSEK</i> .
2023-2025	Validating a SDK for edge federated learning, Vinnova. <i>co-PI. 4.9 MSEK</i> .
2021-2024	Resilience, Safety, and Security in Tree-structured Civil Networks, Swedish Research Council (Vetenskapsrådet). <i>Principal investigator. 5.091 MSEK</i> .
2020-2025	Secure and Resilient Control Systems, The Swedish Foundation for Strategic Research (SSF), Future Research Leaders 7. <i>Principal Investigator. 12 MSEK</i> .
2019-2022	Analysis and Design of Secure and Resilient Control Systems, Swedish Research Council (Vetenskapsrådet), VR Starting Grant. <i>Principal investigator. 3.920 MSEK</i> .

COMMISSION OF TRUST (selected)

2025	Member of the International Program Committee for IEEE Conf. Decision and Control
2024	Expert reviewer for the Israel Science Foundation.
2020–2025	Evaluation Panel member for the Research Council of Norway (in 2020, 2023, 2025).
2022–present	Associate Editor for the IFAC Journal Automatica.
2021–present	Associate Editor for the European Control Conference.
2022	Expert reviewer of one application for Tenure/Associate Professor at UT Dallas, USA.
2018-2025	Member of the Ph.D. examination committee for 8 doctoral students.
2019	Reviewer for NWO (The Netherlands), “Cyber Security - Digital Security & Privacy”.

ORGANISATION OF SCIENTIFIC ACTIVITIES (selected)

2022–2024	Member of the organizing committee for the European Control Conference 2024.
2022	Co-Organizer and speaker at the DISC Summer School “Security and Resiliency for Cyber-Physical Systems – foundations and recent advances”, Noordwijkerhout, The Netherlands.
2015–2023	Co-organizer of invited sessions on safety, security, and privacy in control systems at 5 international conferences in controls.
2021	Co-editor of the edited book “Security, safety, and privacy for Cyber-physical systems”, together with Dr. Riccardo Ferrari (TU Delft), published by Springer.
2019	Co-organizer of a Tutorial Session on “Cybersecurity and Privacy in Control Systems”, European Control Conference (ECC), Nice, France