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
2009	M.Sc. in Electrical and Computers Engineering Faculdade De Engenharia da Universidade do Porto, Porto, Portugal

LEADERSHIP AND SUPERVISION TRAINING

2021–present	Leadership Program SSF Future Research Leaders 7.
2019	Course on "Supervising PhD students", Uppsala University (3 weeks)
2016	"Tenure Track 2.0" – Leadership and Personal Development Program at Delft University of Technology, Fall 2016.

LEADERSHIP ACTIVITIES

2019–present	Coordinating Committee Member of the Cybersecurity Arena at Uppsala University
2019–2021	Co-organizer of a reading group on Network and Cyber-Physical Systems Security.
2019–2021	Member of the Programme Board for the Master's in Computer and Information Engineering.
2018–2020	Organizer of internal group meetings at the Division of Signals and Systems.

SUPERVISION OF GRADUATE STUDENTS

2021–present	Sanja Karilanova (Co-supervisor), *Data Processing with Spiking Neural Networks for E-Skin Applications*, Uppsala University
2021–present	Anh Tung Nguyen (Main supervisor), *Secure Large-Scale Control Systems*, Uppsala University
2019–present	Fatih Emre Tosun (Main supervisor), *Secure Control Systems in Medical Applications*, Uppsala University
2019–present	Sribalaji Coimbatore Anand (Main supervisor), *Secure and Resilient Control Systems*, Uppsala University
2015–2020	Saba Chockalingam (Daily Co-supervisor), *Secure Our Safety: Building Cyber Security for Flood Management*, TU Delft. Graduated on December 15, 2020.
2015–2017	Daily supervisor of 4 other PhD students, TU Delft

SUPERVISION OF POSTDOCTORAL FELLOWS

2019–present	Arunava Naha (Co-supervisor), *Statistical Change Detection*, Uppsala University
2020–2021	Abbas Arghavani (Co-supervisor), *Covert Wireless Communications*, Uppsala University

RESEARCH FELLOWSHIPS AND AWARDS

2020	Future Research Leader 7 Grant, The Swedish Foundation for Strategic Research
2018	Starting Grant, Swedish Research Council
2018	Honorable Mention (co-author) for the Paul M. Frank Award at SAFEPROCESS, IFAC
2016	Finalist (co-author) 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
2012	Main author of paper listed on "Notable Computing Books and Articles of 2012", ACM
2012	Best Student Paper Award Finalist, IFAC NecSys

RESEARCH PROJECTS

2022-2026	Data-driven Vulnerability Analysis for Critical Infrastructures, eSSENCE-SciLifeLab graduate school in data-intensive science. *co-PI*.
2021-2024	Resilience, Safety, and Security in Tree-structured Civil Networks, Swedish Research Council (Vetenskapsrådet). *Principal investigator*. *5.091 MSEK*.
2020-2025	Secure and Resilient Control Systems, The Swedish Foundation for Strategic Research (SSF), Future Research Leaders 7. *Principal Investigator*. *12 MSEK*.
2019-2022	Analysis and Design of Secure and Resilient Control Systems, Swedish Research Council (Vetenskapsrådet), VR Starting Grant. *Principal investigator*. *3.920 MSEK*.
2018-2023	LifeSec: Don't Hack my Body, SSF. *Team member*, leading the work packages focusing on the security of control loops using implanted medical devices.
2015-2019	(SOS4Floods) Secure our Flood Management Systems, The Netherlands Organisation for Scientific Research. *Team member*, co-supervisor of the PhD student in the project.
2014-2017	(SPARKS) Smart Grid Protection Against Cyber Attacks, European Commission, FP7. *Team member* (as PhD student and then Post-doc), responsible for specific tasks and deliverables related to security risk analysis in interconnected energy systems and microgrids.
2009-2011	(VIKING) Vital Infrastructure, Networks, Information and Control Systems Management, European Commission, FP7. *Team member* (PhD student), carrying out research related to the security of power systems state estimation software.

EXPERT REVIEWER FOR FUNDING AGENCIES AND UNIVERSITIES

2020	Evaluation Panel member for the Collaborative and Knowledge-building Project call (KSP-K 2020 - Energi System), Research Council of Norway.
2019	Reviewer for NWO (The Netherlands), "Cyber Security - Digital Security & Privacy".
2015	Reviewer for the University of Luxembourg, "Internal Research Projects".

PhD OPPONENT SERVICE

2020	External Examiner for Angelo Barboni, Imperial College London, UK.
2018	Member of the Ph.D. committee of Vahab Rostampour, TU Delft, The Netherlands.

ORGANISATION OF SCIENTIFIC ACTIVITIES

2021	Co-Organizer of the invited session "*Security and Resiliency for Cyber-Physical Systems*" at the European Control Conference (ECC), Rotterdam, The Netherlands
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. The book is comprised of 16 chapters, 14 of which are invited contributions from prominent academics in the areas of security, privacy, and fault-tolerance in control systems.
2019	Co-organizer of a Tutorial Session on "Cybersecurity and Privacy in Control Systems", European Control Conference (ECC), Nice, France
2018, 2019	Co-Organizer of the invited session "*Safety, Security, and Privacy for Cyber-Physical Systems*" at the European Control Conference (ECC)
2015	Co-Organizer of the invited session "Secure and Resilient Industrial Automation and Control Systems" at the Int. Conf. on Emerging Tech. and Factory Automation, Luxembourg