

PERSONAL INFORMATION

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ACADEMIC POSITIONS

2017–present Associate Senior Lecturer (“biträdande universitetslektor”) on Tenure Track
 Department of Electrical Engineering, Uppsala University, Uppsala, Sweden
 2015–2017 Assistant Professor (“Universitair Docent”) on 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 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 Member of the Cybersecurity Arena at Uppsala University, together with Prof. Christian Rohner and Dr. Kristiaan Pelckmans.
 2019-present Programme board member for the Master’s in Computer and Information Engineering.
 2018-present Organizer of internal group meetings at the Division of Signals and Systems.
 2018-present Co-organizer of a reading group on Machine Learning.

SUPERVISION OF POSTDOCTORAL FELLOWS

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

SUPERVISION OF GRADUATE STUDENTS

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–present Saba Chockalingam (Daily Co-supervisor), *Secure Our Safety: Building Cyber Security for Flood Management*, TU Delft. Doctoral defence scheduled for December 15, 2020.
 2015–2018 Kaikai Pan (Daily supervisor), *Cyber Security of Intelligent Power Grids: Vulnerability and Impact Assessment Frameworks*, TU Delft
 2015–2017 Daily supervisor of 3 other PhD students (Farzam Fanitabasi, Laura Fichtner, Mingxiao Ma), TU Delft

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

- 2020-2024 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, 2019-2022. *Principal investigator*. 3.980 MSEK.
- 2018-2021 LifeSec: Don't Hack my Body, Swedish Foundation for Strategic Research. *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 carrying out 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 Expert reviewer for the Dutch Research Council (NWO), “Cyber Security - Digital Security & Privacy”.
- 2015 Expert reviewer for the University of Luxembourg, “Internal Research Projects”.

PHD OPPONENT SERVICE

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

ORGANISATION OF SCIENTIFIC ACTIVITIES

- 2019–2020 Co-editor of the edited book “Security, safety, and privacy for Cyber-physical systems”, together with Dr. Riccardo Ferrari (TU Delft), to be 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. *Under production*.
- 2019 Invited Plenary Speaker at the 4th International Conference on Control and Fault-Tolerant Systems (SysToL), Casablanca, Morocco.
- 2019 Co-organizer of a Tutorial Session on “Cybersecurity and Privacy in Control Systems”, European Control Conference (ECC), Nice, France
- 2019 Co-Organizer of the invited session “Safety, Security, and Privacy for Cyber-Physical Systems” at the European Control Conference (ECC), Nice, France
- 2018 Co-Organizer of the invited session “Safety, Security, and Privacy for Cyber-Physical Systems” at the European Control Conference, Cyprus
- 2015 Co-Organizer of the special session “Secure and Resilient Industrial Automation and Control Systems” at the 20th IEEE Int. Conf. on Emerging Technologies and Factory Automation, Luxembourg