Division of Decision and Control Systems
Electrical Engineering and Computer Science, KTH
SE-100 44 Stockholm, Sweden
☎ *+46 +8 790 7427*
✉ *cristian.rojas@ee.kth.se*
people.kth.se/~crro

Cristian R. Rojas

Personal Details

Full name	Cristian Ricardo Rojas Enos
Date of birth	5th September, 1980
Place of birth	Manchester, England
Citizenships	Chilean and British
Professional Degree	Ingeniero Civil Electrónico (Electronics Engineer)

Education

2006–2008	**Ph.D. in Electrical Engineering**, *School of Electrical Engineering and Computer Science*, *The* University *of* Newcastle, Australia.
2003-2004	**Master of Engineering (with a major in Automatic Control)**, *Department of Electronics*, Universidad Técnica Federico Santa María, Chile.
1999–2004	**Electronics Engineering Degree (6-year degree)**, *Department of Electronics*, Universidad Técnica Federico Santa María (UTFSM), Chile.

MSc

Title	*On the Equivalence between Transfer-Matrix and State-Variable Control* (in spanish)
Supervisor	Prof. Mario E. Salgado (UTFSM, Chile)
MSc Committee	Prof. Mario E. Salgado (UTFSM, Chile) Prof. Graham C. Goodwin (*The* University *of* Newcastle, Australia) Prof. Juan L. Hernández (UTFSM, Chile)
Institution	Universidad Técnica Federico Santa María (UTFSM), Valparaíso, Chile
Completed	October 2004

PhD

Title	*Robust Experiment Design*
Supervisors	Dr. James S. Welsh (*The* University *of* Newcastle, Australia) Prof. Graham C. Goodwin (*The* University *of* Newcastle, Australia)
PhD Reviewers	Prof. Håkan Hjalmarsson (KTH, Sweden) Prof. Lennart Ljung (Linköpings Universitet, Sweden) Prof. Michel Gevers (Université Catholique de Louvain, Belgium)
Institution	*The* University *of* Newcastle, Newcastle, Australia
Completed	June 2008

Professional Experience

July 2021 - **Professor**, *Division of Decision and Control Systems*, School of Electrical Engineering and Computer Science, KTH – Royal Institute of Technology, Stockholm, Sweden.

December 2014 - June 2021 **Associate Professor**, *Automatic Control Lab*, School of Electrical Engineering, KTH – Royal Institute of Technology, Stockholm, Sweden.

May 2011 - November 2014 **Assistant Professor**, *Automatic Control Lab*, School of Electrical Engineering, KTH – Royal Institute of Technology, Stockholm, Sweden.

2nd Semester 2010 - April 2011 **Researcher**, *Automatic Control Lab*, School of Electrical Engineering, KTH – Royal Institute of Technology, Stockholm, Sweden.

2nd Semester 2008 - 2nd Semester 2010 **Postdoc**, *Automatic Control Lab and ACCESS Linnaeus Center*, School of Electrical Engineering, KTH – Royal Institute of Technology, Stockholm, Sweden.

2nd Semester 2008 **Research Assistant**, *School of Electrical Engineering and Computer Science*, *The* University *of* Newcastle, Australia.

2nd Semester 2004 **Research Assistant**, *Department of Electronics*, Universidad Técnica Federico Santa María, Chile.
Position description: The aim of the project was to study the equivalence between transfer-matrix and state-space controllers.

2nd Semester 2000 **Research Assistant**, *Department of Electronics*, Universidad Técnica Federico Santa María, Chile.
Position description: The aim of the project was to develop a computer program to calculate parametric bias in least squares computations.

Teaching Experience

Fall 2024 **Lecturer**, *School of Electrical Engineering and Computer Science*, KTH, Sweden.
Position description: Lecturer of the MSc course EL2820 'Modelling of Dynamical Systems'.

Spring 2024 **Lecturer**, *School of Electrical Engineering and Computer Science*, KTH, Sweden.
Position description: Lecturer of the MSc course EL2810 'Machine Learning Theory'.

Spring 2024 **Lecturer**, *School of Electrical Engineering and Computer Science*, KTH, Sweden.
Position description: Lecturer of the WASP-AI PhD course 'Learning Theory'.

Spring 2024 **Lecturer**, *School of Electrical Engineering and Computer Science*, KTH, Sweden.
Position description: Coordinator of projects under Context C, 'Learning in Dynamical Systems', of the EF112X course 'Degree Project in Electrical Engineering, First Cycle'.

2023-2024 **Mentor**, *School of Electrical Engineering and Computer Science*, KTH, Sweden.
Position description: Mentor of the MSc course EL2220 'The Sustainable Systems and Control Engineer'.

Fall 2023 **Lecturer**, *School of Electrical Engineering and Computer Science*, KTH, Sweden.
Position description: Lecturer of the MSc course EL2820 'Modelling of Dynamical Systems'.

Spring 2023 **Lecturer**, *School of Electrical Engineering and Computer Science*, KTH, Sweden.
Position description: Lecturer of the MSc course EL2810 'Machine Learning Theory'.

Spring 2023 **Lecturer**, *School of Electrical Engineering and Computer Science*, KTH, Sweden.
Position description: Coordinator of projects under Context C, 'Learning in Dynamical Systems', of the EF112X course 'Degree Project in Electrical Engineering, First Cycle'.

2022-2023 **Mentor**, *School of Electrical Engineering and Computer Science*, KTH, Sweden.
Position description: Mentor of the MSc course EL2220 'The Sustainable Systems and Control Engineer'.

Fall 2022 **Lecturer**, *School of Electrical Engineering*, KTH, Sweden.
Position description: Lecturer of the PhD course EL3370 'Mathematical Methods in Signals, Systems and Control'.

Fall 2022 **Lecturer**, *School of Electrical Engineering and Computer Science*, KTH, Sweden.
Position description: Lecturer of the MSc course EL2820 'Modelling of Dynamical Systems'.

Spring 2022 **Lecturer**, *School of Electrical Engineering and Computer Science*, KTH, Sweden.
Position description: Lecturer of the MSc course EL2810 'Machine Learning Theory'.

Spring 2022 **Lecturer**, *School of Electrical Engineering and Computer Science*, KTH, Sweden.
Position description: Lecturer of the WASP-AI PhD course 'Learning Theory'.

Spring 2022 **Lecturer**, *School of Electrical Engineering and Computer Science*, KTH, Sweden.
Position description: Coordinator of projects under Context C, 'Learning in Dynamical Systems', of the EF112X course 'Degree Project in Electrical Engineering, First Cycle'.

2021-2022 **Mentor**, *School of Electrical Engineering and Computer Science*, KTH, Sweden.
Position description: Mentor of the MSc course EL2220 'The Sustainable Systems and Control Engineer'.

Fall 2021 **Lecturer**, *School of Electrical Engineering and Computer Science*, KTH, Sweden.
Position description: Lecturer of the MSc course EL2820 'Modelling of Dynamical Systems'.

Spring 2021 **Lecturer**, *School of Electrical Engineering and Computer Science*, KTH, Sweden.
Position description: Coordinator of projects under Context C, 'Learning in Dynamical Systems', of the EF112X course 'Degree Project in Electrical Engineering, First Cycle'.

2020-2021 **Mentor**, *School of Electrical Engineering and Computer Science*, KTH, Sweden.
Position description: Mentor of the MSc course EL2220 'The Sustainable Systems and Control Engineer'.

Fall 2020 **Lecturer**, *School of Electrical Engineering and Computer Science*, KTH, Sweden.
Position description: Lecturer of the MSc course EL2820 'Modelling of Dynamical Systems'.

Spring 2020 **Lecturer**, *School of Electrical Engineering and Computer Science*, KTH, Sweden.
Position description: Lecturer of the WASP-AI PhD course 'Learning Theory and Reinforcement Learning'.

Spring 2020 **Lecturer**, *School of Electrical Engineering and Computer Science*, KTH, Sweden.
Position description: Coordinator of projects under Context C, 'Learning in Dynamical Systems', of the EA236X course 'Degree Project in Electrical Engineering, First Cycle'.

2019-2020 **Mentor**, *School of Electrical Engineering and Computer Science*, KTH, Sweden.
Position description: Mentor of the MSc course EL2220 'The Sustainable Systems and Control Engineer'.

Fall 2019 **Lecturer**, *School of Electrical Engineering and Computer Science*, KTH, Sweden.
Position description: Lecturer of the MSc course EL2820 'Modelling of Dynamical Systems'.

2018-2019 **Mentor**, *School of Electrical Engineering and Computer Science*, KTH, Sweden.
Position description: Mentor of the MSc course EL2220 'The Sustainable Systems and Control Engineer'.

Spring 2019 **Lecturer**, *School of Electrical Engineering and Computer Science*, KTH, Sweden.
Position description: Coordinator of projects under Context C, 'Learning in Dynamical Systems', of the EF111X course 'Degree Project in Electrical Engineering, First Cycle'.

Spring 2019 **Lecturer**, *School of Electrical Engineering*, KTH, Sweden.
Position description: Lecturer of the PhD course FEL3370 'Mathematical Methods in Signals, Systems and Control'.

Spring 2019 **Lecturer**, *School of Electrical Engineering and Computer Science*, KTH, Sweden.
Position description: Lecturer of the PhD course FJL3380 'Theoretical Foundations of Machine Learning'.

Fall 2018 **Lecturer**, *School of Electrical Engineering and Computer Science*, KTH, Sweden.
Position description: Lecturer of the MSc course EL2820 'Modelling of Dynamical Systems'.

2017-2018 **Mentor**, *School of Electrical Engineering and Computer Science*, KTH, Sweden.
Position description: Mentor of the MSc course EL2220 'The Sustainable Systems and Control Engineer'.

Spring 2018 **Lecturer**, *School of Electrical Engineering and Computer Science*, KTH, Sweden.
Position description: Coordinator of projects under Context C, 'Learning in Dynamical Systems', of the EF111X course 'Degree Project in Electrical Engineering, First Cycle'.

Fall 2017 **Lecturer**, *School of Electrical Engineering and Computer Science*, KTH, Sweden.
Position description: Lecturer of the MSc course EL2820 'Modelling of Dynamical Systems'.

2016-2017 **Mentor**, *School of Electrical Engineering*, KTH, Sweden.
Position description: Mentor of the MSc course EL2220 'The Sustainable Systems and Control Engineer'.

Fall 2016 **Lecturer**, *School of Electrical Engineering*, KTH, Sweden.
Position description: Lecturer of the MSc course EL2820 'Modelling of Dynamical Systems'.

2015-2016 **Mentor**, *School of Electrical Engineering*, KTH, Sweden.
Position description: Mentor of the MSc course EL2220 'The Sustainable Systems and Control Engineer'.

Fall 2015 **Lecturer**, *School of Electrical Engineering*, KTH, Sweden.
Position description: Lecturer of the MSc course EL1820 'Modelling of Dynamical Systems'.

Spring 2015 **Lecturer**, *School of Electrical Engineering*, KTH, Sweden.
Position description: Lecturer of the PhD course FEL3370 'Mathematical Methods in Signals, Systems and Control'.

Fall 2014 **Lecturer**, *School of Electrical Engineering*, KTH, Sweden.
Position description: Lecturer of the MSc course EL1820 'Modelling of Dynamical Systems'.

Spring 2014 **Lecturer**, *School of Electrical Engineering*, KTH, Sweden.
Position description: Coordinator (as part of the Automatic Control Lab) of the first year undergraduate course EH1010 'Elektroprojekt'.

Fall 2013 **Lecturer**, *School of Electrical Engineering*, KTH, Sweden.
Position description: Lecturer of the MSc course EL1820 'Modelling of Dynamical Systems'.

Fall 2013 **Lecturer**, *School of Electrical Engineering*, KTH, Sweden.
Position description: Co-Lecturer (jointly with Professor Håkan Hjalmarsson) of the PhD course FEL3201/02 'Data Driven Modeling'.

Spring 2013 **Lecturer**, *School of Electrical Engineering*, KTH, Sweden.
Position description: Coordinator (as part of the Automatic Control Lab) of the first year undergraduate course EH1010 'Elektroprojekt'.

Fall 2012 **Lecturer**, *School of Electrical Engineering*, KTH, Sweden.
Position description: Lecturer of the MSc course EL1820 'Modelling of Dynamical Systems'.

Fall 2012 **Lecturer**, *School of Electrical Engineering*, KTH, Sweden.
Position description: Lecturer and creator of the PhD course FEL3270 'Mathematical Methods in Signals, Systems and Control'.

Spring 2012 **Lecturer**, *School of Electrical Engineering*, KTH, Sweden.
Position description: Coordinator (as part of the Automatic Control Lab) of the first year undergraduate course EH1010 'Elektroprojekt'.

Spring 2011 **Lecturer**, *School of Electrical Engineering*, KTH, Sweden.
Position description: Lecturer of the PhD course FEL3200 'System Identification'.

Spring 2011 **Lecturer**, *School of Electrical Engineering*, KTH, Sweden.
Position description: Coordinator (as part of the Automatic Control Lab) of the first year undergraduate course EH1010 'Elektroprojekt'.

Fall 2009 **Lecturer**, *School of Electrical Engineering*, KTH, Sweden.
Position description: Co-Lecturer (jointly with Professor Håkan Hjalmarsson) of the PhD course FEL3200 'System Identification'.

2nd Semester 2006 **Teaching Assistant**, *School of Electrical Engineering and Computer Science*, *The* University *of* Newcastle, Australia.
Position description: Teaching Assistant for the undergraduate course ELEC4410 'Control System Design and Management'.

1st Semester 2005 **Lecturer**, *Department of Electronics*, Universidad Técnica Federico Santa María, Chile.
Position description: Part-Time Lecturer for the graduate MSc course IPD-431 'Probability and Random Processes'.

2nd Semester 2003 **Lecturer**, *Department of Electronics*, Universidad Técnica Federico Santa María, Chile.
Position description: Part-Time Lecturer for the undergraduate course ELO-103 'Electrical Network Theory II'.

2001–2004 **Teaching Assistant**, *Department of Electronics*, Universidad Técnica Federico Santa María (UTFSM), Chile.
Position description: Teaching Assistant for the undergraduate course ELO-104 'Linear Systems Analysis'.

Honors, Awards and Grants

2024 **WASP-AS Academic PhD Student (4 years)**, *'Social learning with large language models'*, Wallenberg AI, Autonomous Systems and Software Program, Sweden.

2023 **VR Research Project Grant (4 years)**, *'Pushing the boundaries of nonlinear data-driven MPC'*, Swedish Research Council (VR), Sweden.

2023 **WASP-AS Academic PhD Student (4 years)**, *B2D2*, Wallenberg AI, Autonomous Systems and Software Program, Sweden.

2021 **UoM, KTH & SU Joint Research Fund grant (1 year) (co-applicant)**, *HUMANE ('Human-understandable and trustworthy Explanations')*, KTH, Stockholm University and University of Manchester, Sweden and UK.

2019 **DF Collaborative Project Grant (5 years) (co-applicant)**, *EXTREMUM ('Explainable and Ethical Machine Learning for Knowledge Discovery from Medical Data Sources')*, Digital Futures (DF), KTH, Sweden.

2017 **VR Research Environment Grant (6 years) (co-applicant)**, *NewLEADS*, Swedish Research Council (VR), Sweden.

2016 **Recipient of the small Göran Gustafsson Prize**, *for the promotion of scientific research at Uppsala University and the Royal Institute of Technology*, Göran Gustafsson Stiftelse, Sweden.

2016 **VR Junior Researcher Grant (4 years)**, *'A Decision-Theoretic Approach to Identification'*, Swedish Research Council (VR), Sweden.

2013 **Docent**, *Docent degree in Automatic Control*, KTH, Sweden.

2012 **ACCESS Seed Project Grant (2 years)**, *'Sparsity in Signal Processing and System Identification'*, KTH, Sweden.

2012 **VR Junior Researcher Grant (4 years)**, *'Robust Modeling of High-Order Systems'*, Swedish Research Council (VR), Sweden.

2009 **Recipient of the Award for Research Higher Degree Excellence**, *Award given to the best PhD thesis of the Faculty of Engineering and Built Environment completed during 2008*, *The* University *of* Newcastle, Australia.

2008 **Recipient of the KTH ACCESS Linnaeus Center Award**, *One of the two postdoctoral research positions available at the Linnaeus Center ACCESS*, KTH, Sweden.

2006–2008 **Recipient of the University of Newcastle Postgraduate Research Scholarship (UNRS Central) and the Endeavour International Postgraduate Research Scholarship (EIPRS)**, *Scholarship to support my postgraduate research studies*, *The* University *of* Newcastle, Australia.

2004 **Recipient of the Distinción Académica 'Federico Santa María' and the AEXA-USM Award**, *Award given to the best student of Electronics Engineering graduated in 2004, and to the best student of the UTFSM graduated in 2004, respectively*, Universidad Técnica Federico Santa María (UTFSM), Chile.

2003–2004 **Recipient of the Federico Santa Maria University Postgraduate Research Scholarship**, *Scholarship to support my postgraduate research studies*, Universidad Técnica Federico Santa María (UTFSM), Chile.

1999 **Recipient of the Federico Santa María Scholarship**, *Award given to the student with the highest PAA (National University Selection Test) score who entered the UTFSM in 1999*, Universidad Técnica Federico Santa María (UTFSM), Chile.

MSc Supervision / Examination

2024 **Gustaf Reimer**, *"Online in-cylinder pressure and temperature prediction using a modeling approach"*.

2024 **Samuele Peri**, *"Offline Reinforcement Learning for Radio Resource Management in Radio Access Networks"*.

2024 **Yuhan Xie**, *"Improving Task Alignment of Self-Supervised Learning for Time Series Classification"*.

2024 **Lisa Bjelm**, *"Anomaly Detection in Autonomous Driving Systems for Identifying Adversarial Attacks: Evaluation of an Unsupervised Encoder-Decoder Convolutional Neural Network with Skip Connections"*.

2023 **Béla Bönte**, *"Estimating Feature Attributions for Time Series Classification: Supervised Prediction of Integrated Gradients under the Multitask Learning Paradigm"*.

2023 **Omar Ugolini**, *"Design and Implementation of a Rocket Launcher Hybrid Navigation"*.

2023 **Alejandro Jarabo Peñas**, *"Digital Twin Knowledge Graphs for IoT Platforms: Towards a Virtual Model for Real-Time Knowledge Representation in IoT Platforms"*.

2022 **Niklas Rydberg**, *"On the Use of Knowledge Graph Embeddings for Business Expansion"*.

2022 **Tobias Höppe**, *"Diffusion Models for Video Prediction and Infilling: Training a conditional video diffusion model for arbitrary video completion tasks"*.

2022 **Pontus Olausson**, *"Towards Causal Discovery on EHR data: Evaluation of current Causal Discovery methods on the MIMIC-IV data set"*.

2022 **Javier Albert Smet**, *"Runtime Control for Application Failure Prevention in Resource-Constrained Devices"*.

2021 **Albin Mosskull**, *"Modelling and Run-Time Control of Localization System for Resource-Constrained Devices"*.

2021 **Linda Bui**, *"Reference Tracking with Adversarial Adaptive Output-Feedback Model Predictive Control"*.

2021 **Alexander Nöu**, *"Unsupervised Reinforcement Learning and Finetuning to Downstream Tasks for Simulated Robotics"*.

2021 **Astrid Lindstedt**, *"Current Control and Modelling of an Inspiration Valve"*.

2021 **Frida Persson**, *"System Identification of Continuous-Time Systems with Quantized Output Data Using Indirect Inference"*.

2021 **Chia-Hsuan Chou**, *"Gain Estimation using Multi-Armed Bandit Policies"*.

2020 **Saieshwar Radhakrishnan**, *"Inertial Domain Transfer using Generative Adversarial Networks"*.

2020 **Sven Grenholm**, *"Adaptive Model Predictive Control for Reference Tracking Vehicle Motion"*.

2020 **Martin Dahl Becedas**, *"Linear and Nonlinear Model Predictive Control of a Wave Energy Converter"*.

2019 **Bratislav Markovic**, *"Data-Driven Estimation of Cabin Dynamics with Grey-Box Modeling"*.

2019 **Andreas Yokobori**, *"User Plane Selection for Core Networks using Deep Reinforcement Learning"*.

2019 **Nikolaos Karavalakis**, *"Online Maximum Capacity Estimation of a Propulsion Battery on Heavy Duty Vehicles"*.

2019 **Zoe Slattery**, *"Quantitative Assessment in Sustainable Digital Urban Planning using Multi-Criteria Decision Analysis"*.

2019 **Ludvig Aarflot**, *"Implementation of High Current Measurement Technology for Automotive Applications in Programmable Logic"*.

2018 **Rémi Lacombe**, *"Fake News Mitigation in Social Networks"*.

2018 **Johan Lewenhaupt**, *"Learning Operational Goals for Propulsion System Using Reinforcement Learning"*.

2018 **Carl-Johan Larsson**, *"User-Based Predictive Caching of Streaming Media"*.

2018 **Marc Sigonius**, *"Speed and Yaw Rate Estimation in Autonomous Vehicles using Doppler Radar Measurements"*.

2018 **Maria Elfving**, *"Hydraulic Closed Loop Control"*.

2018 **Ahmed Elfeky**, *"Methods of Calibration for Different Functions of a SCR-System"*.

2017 **Daniel Merkoulova**, *"Optimal Input Design by Model Predictive Control for System Identification"*.

2016 **Adriel Garnier**, *"Modelling and Simulation of a Ballistic Trajectory"*.

2016 **Akash Patel**, *"Data Mining of Process Data in Multivariable Systems"*.

2016 **Pawel Kupsc**, *"Preceding Vehicle Dynamics Modeling for Fuel Efficient Control Strategies: An explorative study of speed prediction methods for heavy duty vehicles"*.

2016 **Johan Jansson**, *"Decision Tree Classification of Products Using C5.0 and Prediction of Workload Using Time Series Analysis"*.

2015 **Johan Bjurgert**, *"System Identification by Adaptive Boosting"*.

2015 **Saman Bidgol**, *"Coexistence Between the 5G Mobile System and Satellite Services"*.

2015 **Johan Ottersten**, *"Sparse Estimation Techniques for ℓ_1 Mean and Trend Filtering"*.

2014 **Emil Lundkvist**, *"Decision Tree Classification and Forecasting of Pricing Time Series Data"*.

2009 **Chiara Brighenti**, *"On Input Design for System Identification: Input Design Using Markov Chains"*.

PhD and Licentiate Supervision

2024- **Samuel Erickson Andersson**, Main supervisor: Mikael Johansson.

2024- **Yibo Shi**.

2024- **Andrea Da Col**.

2024- **Margarita Guerrero**.

2022- **William Reveillard**, Main supervisor: Alexandre Proutiere.

2022- **Jiabao He**, Main supervisor: Håkan Hjalmarsson.

2021- **Braghadeesh Lakshminarayanan**.

2021- **Sergey Tambovskiy**, Main supervisor: Gabor Fodor.

2020- **Rebecka Winqvist**, Main supervisor: Jana Tumova.

2020- **Jacob Lindbäck**, Main supervisor: Mikael Johansson.

2020- **Robert Bereza-Jarocinski**, Main supervisor: Håkan Hjalmarsson.

2019-2024 **Javad Parsa**, *"Exploiting sparsity in parameter estimation and input design" (PhD)*, Main supervisor: Håkan Hjalmarsson.

2018-2024 **Hamed Taghavian**, *"Externally positive systems: Analysis and control based on combinatorial polynomials" (PhD)*, Main supervisor: Mikael Johansson.

2017-2022 **Mina Ferizbegovic**, *"Dual control concepts for linear dynamical systems" (PhD)*, Main supervisor: Håkan Hjalmarsson.

2017-2022 **Rodrigo González**, *"Continuous-time system identification: Refined instrumental variables and sampling assumptions" (PhD)*.

2016-2022 **Othmane Mazhar**, *"Data driven modeling in the presence of time series structure: Improved bounds and effective algorithms" (PhD)*, Main supervisor: Boualem Djehiche.

2016-2021 **Matías Müller**, *"Learning sequential decision rules in control design: Regret-optimal and risk-coherent methods" (PhD)*.

2015-2020 **Robert Mattila**, *"Hidden Markov models: Identification, inverse Filtering and applications" (PhD)*, Main supervisor: Bo Wahlberg.

2013-2019 **Mohamed Abdalmoaty**, *"Identification of stochastic nonlinear dynamical models using estimating functions" (PhD)*, Main supervisor: Håkan Hjalmarsson.

2013-2018 **Riccardo Sven Risuleo**, *"Bayesian learning of structured dynamical systems" (PhD)*, Main supervisor: Håkan Hjalmarsson.

2013-2018 **Miguel Galrinho**, *"System identification with multi-step least-squares methods" (PhD)*, Main supervisor: Håkan Hjalmarsson.

2013-2016 **Niclas Blomberg**, *"On nuclear norm regularization in system identification" (Lic.)*, Main supervisor: Bo Wahlberg, Dept. of Automatic Control, EE School, KTH, Sweden.

2012-2017 **Afrooz Ebadat**, *"Experiment design for closed-loop system identification with applications in model predictive control and occupancy estimation" (PhD)*, Main supervisor: Bo Wahlberg.

2012-2017 **Niklas Everitt**, *"Module identification in dynamic networks: parametric and empirical Bayes methods" (PhD)*, Main supervisor: Håkan Hjalmarsson.

2012-2017 **Patricio E. Valenzuela**, *"On risk-coherent input design and Bayesian methods for nonlinear system identification" (PhD)*.

2011-2016 **Vedran Peric**, *"Non-intrusive methods for mode estimation in power systems using synchrophasor measurements" (PhD)*, Main supervisor: Luigi Vanfretti, Dept. of Electric Power Systems, EE School, KTH, Sweden.

2009-2014 **Christian A. Larsson**, *"Application-oriented experiment design for industrial model predictive control" (PhD)*, Main supervisor: Håkan Hjalmarsson.

Computer skills

Extensive experience: C, Julia, Python and Matlab

General knowledge: Pascal and Maple

Languages

Spanish *Native*

English *Fluent in both spoken and written English*