

Felix Rey

Zürich, Switzerland

Born on March 17th, 1988 in Constance
Nationality - German



Curriculum Vitae

University Education

from 3 / 2014	PhD Student ETH Zurich - Automatic Control Laboratory
12 / 2013 - 4 / 2011	Electrical Engineering and Information Technology (M. Sc.) Karlsruhe Institute of Technology (KIT) <ul style="list-style-type: none">Final grade 1.0 with distinctionFocus areas in control, high frequency and biomedical engineeringMaster thesis on fractional differential equations and fractional systems
2 / 2011 - 10 / 2007	Electrical Engineering and Information Technology (B. Eng.) HTWG Constance <ul style="list-style-type: none">Final grade 1.0 with distinctionBachelor thesis on magnetic flux diffusion models

Professional Experience

2 / 2014 12 / 2013	Student assistant at the Institute of Control Systems in Karlsruhe Work area: Fractional differential equations and fractional systems
2 / 2011 - 8 / 2010	Student assistant at the Institute of System Dynamics in Constance Work area: Physical modelling and optimization
3 / 2010 - 9 / 2009	Internship at EADS Astrium (now Airbus Defence & Space) in Friedrichshafen Work area: Experimental physics, mechanics, optics, circuit design

Accomplishments, Awards and Scholarships

2013	Karlsruhe Institute of Technology M.Sc. with best achievable grade (exact 1.0)
2011	HTWG Constance Best student 2011 and best student since the foundation of the bachelor degree course
2011	Association for Electrical, Electronic & Information Technologies Award for the best bachelor thesis
since 2008	Full scholarship of the German National Academic Foundation
2007	German Physical Society Award for outstanding performance in physics class
2007	Zeppelin High School Constance Award for outstanding performance in engineering class

Scientific Commitment

Memberships	IEEE - Institute of Electrical and Electronics Engineers VDE - Association for Electrical, Electronic & Information Technologies DPG - German Physical Society
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Publications

2012	Proceedings of the 2012 American Control Conference: Flatness Based State Decomposition of Flux Channel Models for Solenoid Valve Control
2011	Proceedings of the 17th International Conference on Methods and Models in Automation and Robotics: Model-Based Control of Solenoid Actuators Using Flux Channel Models

Specific and Social Skills

Language Skills	German (native) English (fluent) Spanish (basic)
Social Activities	Island of Reichenau Civic Orchestra: Musician and association board member Island of Reichenau Youth Club: Executive committee member (2006-2012)