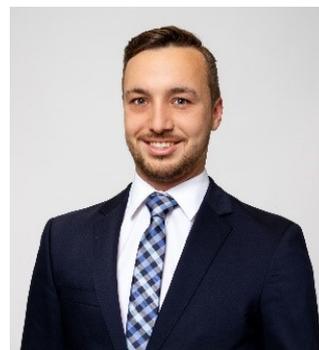


Sandro Luh

Mail: Sandro.Luh@web.de

LinkedIn: www.linkedin.com/in/sandro-luh



Academic Career

- Since 10.2018 **Doctor of Sciences ETH Zurich (PhD), Paul Scherrer Institute and ETH Zurich**
- Integrating innovative technologies and mobility travel behavior in a techno-economic energy systems model
- 02.2016 – 06.2018 **MSc Mechanical Eng. (Grade: 5.85 / 6.00), Focus: Energy Science, ETH Zurich**
- Passed with distinction (Grade better than 5.75); Top 5% of all students
 - Interdisciplinary Studies: Technology, Management, Economics, and Policies
- 09.2017 – 03.2018 **International Master Thesis (Grade: 6.00 / 6.00), Imperial College London**
- Title: “Decarbonisation of the Industrial Sector by means of Electrification, Fuel Switching, and CCS”
 - High scientific output: 2 scientific papers as first author (average student: max. one publication as co-author)
 - Presentation in front of ~60 people (average: 20-30) at international conference
 - Additional public relations work (video interview and writing blog article)
- 09.2012 – 08.2015 **BSc Mechanical Eng. (Grade: 4.79 / 6.00), Focus: Energy Science, ETH Zurich**
- Additional commitment: semester representative and university policy-team

Work Experience

- Since 10.2018 **Doctoral Researcher, Energy Economics Group, Paul Scherrer Institute, Switzerl.**
- Projects within 2 Swiss Competence Centres for Energy Research (SCCER's)
 - Research provided to the European Commission (DEEDS project)
- 02.2016 – 12.2016 **Teaching Assistant (Linear Algebra I, Materials and Production II), ETH Zurich**
- Independent management of practice lessons for ~30 students (high participation)
 - Communicating understanding of theoretical concepts in applicable tasks
 - Condensing lecture content on relevant topics for successful examination
- 09.2015 – 02.2016 **Project Management V8 Engine-Development, Mercedes-AMG, Germany**
- Leading of the engineering team: time-, cost-, and resource-planning
 - Self-developing a tool for the early detection of planning errors ensures cost avoidance in the 6-digit Euro-area (in close collaboration with Senior Manager)
 - Organising and leading committees with 5-30 professionals
 - Successful in a dynamic work environment: fast familiarization with complex topics
- 09.2006 – 07.2014 **Private Tutor, Germany**
- Successful graduations and promotions to the next grade by clear performance improvements of all students (subjects: math and physics)

Languages

- German** Mother tongue
- English** Proficient
- 09.2017 – 03.2018: Semester abroad at Imperial College London
 - 08.2011 – 04.2012: 'Work & Travel'-year in Australia, New Zealand and Fiji
- Chinese (Mandarin)** Basic

Awards

- 06.2018 **Master Degree with Distinction** (Grade better than 5.75), **ETH Zurich**
- Top 5% of all students
- 10.2016 **BestStudentChallenge 2016: 6th place (of ~2000 in CH), Staufenbiel Institut**
- Tested skills in a live-assessment center: Strategic thinking, communication, cooperation, initiative, creativity, and self-confident manner

IT Skills

	Good	Very good	Excellent
Operating Systems			
Windows	[Bar spanning Good, Very good, and Excellent]		
macOS	[Bar spanning Good, Very good, and Excellent]		
Engineering Tools			
MATLAB	[Bar spanning Good, Very good, and Excellent]		
GT POWER	[Bar spanning Good, Very good, and Excellent]		
Wolfram Mathematica	[Bar spanning Good, Very good, and Excellent]		
Application Software			
Microsoft Office	[Bar spanning Good, Very good, and Excellent]		
LaTeX	[Bar spanning Good, Very good, and Excellent]		
Siemens NX	[Bar spanning Good, Very good, and Excellent]		
Programming Languages			
C++	[Bar spanning Good, Very good, and Excellent]		
HTML	[Bar spanning Good, Very good, and Excellent]		
Python	[Bar spanning Good, Very good, and Excellent]		

Extracurricular Activities

- 03.2019 **FameLab Science Communication Competition 2019, British Council, Switzerland**
- Semi-final participation: 3-minute pitch in a science communication competition
- 09.2018 **ETH Week 2018 (Summer School) about “Energy Matters”, ETH Zurich**
- Identifying problems in the field of energy
 - Pitch of the developed innovative solution in front of ~200 people
 - Applying design thinking methods in interdisciplinary teams
- 10.2012 – 06.2018 **Semester Representative, ETH Zurich**
- Organising exam preparation courses for up to 600 students (~40k CHF)
 - Improving lectures by working together with professors and students
- 10.2012 – 06.2018 **University Policy-Team, ETH Zurich**
- Representing the interests of all students of the department (~2500)
 - Improving the study-curriculum by giving inputs during collaboration with professors and department
 - Leading team meetings with up to 15 participants
- 06.2014 – 08.2017 **Tutor at Prestudy Events for Newcoming Students, ETH Zurich**
- 09.2016 – 06.2017 **Organising a Discovery Semester for Refugees, ETH Zurich**
- Organising networking-events for up to 130 people
 - Initiating and leading a football team (10 members), with tournament participation
- 02.2016 – 03.2017 **Model United Nations (MUN), International**
- Debating with team-oriented problem solving at international conferences

Interests

Travelling (culture and nature), soccer, diving, skiing

References: Available upon request