



Stefano Moret

About me

PhD in Energy with a solid interdisciplinary background, my main area of expertise is **modeling and optimization of energy systems**. Currently, I am a postdoctoral researcher at EPFL (Switzerland), where I also lecture the *Energy conversion and renewable energy* Master course. My goal is to contribute to the energy transition, through teaching, research and consulting.

Italian, 28.01.1988 🇮🇹
stefanomoret.com 🌐
io@stefanomoret.com @
See my full CV 📄

Languages

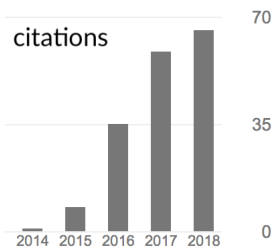
Italian ★★★★★
English ★★★★★
French ★★★★★☆
Spanish ★★★★★☆
Chinese ★★★★★☆
German ★★★★★☆

Expertise

Energy systems
Modeling & optimization
Teaching (watch 📺)
Project management

Publications

List on Google Scholar 📖



Projects

energyscope.ch 🌐
energyscope model 🌐
askPinocchio - fake news 📄

Tools

Matlab | L^AT_EX | AMPL
git | python | VBA
Lua | web development
MacOS | Linux | LCA

Education

- 2013 – 2017 **École Polytechnique Fédérale de Lausanne (EPFL)** Switzerland
PhD Energy. Thesis title: *Strategic energy planning under uncertainty* 📺 📄
Supervisors: Prof. F. Maréchal, Prof. M. Bierlaire
ABB award for best EPFL thesis (energy): nominated by the jury (results in 2019)
- 2009 – 2012 **University of Padova** Italy
MSc Mechanical Engineering, *110/110 with honors*. GPA: 29.5/30
- 2011 **University of California, Berkeley** USA
Academic exchange for MSc Thesis, BEST lab
- 2010 **NTNU** Norway
Academic exchange, Erasmus program
- 2006 – 2009 **University of Padova** Italy
BSc Industrial Engineering, *110/110 with honors*. GPA: 29.3/30

Experience

- 2017 – Now **École Polytechnique Fédérale de Lausanne (EPFL)** Switzerland
Postdoc & lecturer, Industrial Process and Energy Systems Engineering (IPESE)
• Research: modeling and optimization of national energy systems
• Lecturer: *Energy conversion and renewable energy* Master course 📺
- 2013 – 2017 **École Polytechnique Fédérale de Lausanne (EPFL)** Switzerland
Research & teaching assistant, IPESE group
• Research: optimization under uncertainty; energy strategy; geothermal energy
• Teaching: lectures and exercises (MSc, PhD level); 20+ supervised students
- 2013 **University of Padova - Industrial Engineering Department** Italy
Temporary research fellow, 6-month research funded by ENEL Foundation
- 2012 **California Lighting Technology Center - University of California, Davis** USA
Junior Specialist, Building energy simulation and experimental tests
- 2009 – 2011 **JEst - Junior Enterprise, University of Padova** Italy
Associate, President, Student association, consultancy and event organization
• Start Cup Giovani, project manager: university course and start-up competition (250+ students). Project funded by the Italian Prime Minister's Office (240 k€)
- 2009 **FIAMM Spa** Italy
Summer intern for BSc thesis, Energy storage.
- 2008 **Aluminium Rheinfelden GmbH** Germany
Intern, Aluminium foundry. One-month research on aluminium alloys
- 2006 – 2008 **ACC compressors Spa** China
Summer intern, Compressor manufacturer. Quality engineer and laboratory work