



# Stefano Moret

## About me

PhD in Energy with a multidisciplinary background across Engineering and Data Science, my main area of expertise is **modeling and optimization of energy systems under uncertainty**. I am currently a PI & Group Leader at ETH Zurich and Co-Founder of j4energy. My goal is to contribute to the energy transition, through research, teaching and collaboration with industry.

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See my full CV

## 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
- 2009 – 2012 **University of Padova** Italy  
MSc Mechanical Engineering, *110/110 with honors*. GPA: 29.5/30
- 2010 – 2011 **NTNU & University of California Berkeley** Norway, USA  
Academic exchange programs: Erasmus (NTNU) and MSc Thesis (UC Berkeley)
- 2006 – 2009 **University of Padova** Italy  
BSc Industrial Engineering, *110/110 with honors*. GPA: 29.3/30

## Languages

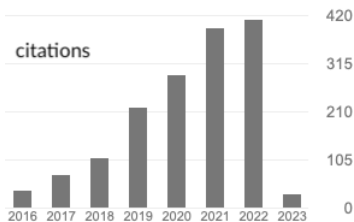
- Italian ★★★★★
- English ★★★★★
- French ★★★★★☆
- Spanish ★★★★★☆
- German ★★★★★☆
- Chinese ★★★★★☆

## Expertise

- Energy systems
- Modeling & optimization
- Uncertainty (watch )
- Teaching (watch )
- Research

## Publications

List on Google Scholar



## Projects

- energyscope model
- j4energy
- askPinocchio - fake news

## Tools

- Matlab
- LaTeX
- AMPL
- git
- python
- web dev
- VBA
- machine learning
- MacOS
- Linux
- LCA

## Experience

- 2022 – now **ETH Zurich** Switzerland  
*PI & Group Leader, Dept. of Mechanical and Process Engineering*  
• Awardee of 4-year SNSF Ambizione fellowship (756'179 CHF). PI of project: *RIMES - Robust Integrated Modeling for Energy and Engineering Systems*  
• Leading independent group hosted by André Bardow's laboratory (EPSE)
- 2019 – 2022 **Imperial College London** UK  
*Research Associate, ChemEng Dept & Business School (2021-2022)*  
• Research: uncertainty in the UK energy transition (IDLES programme)  
*Swiss National Science Foundation (SNSF) Research Fellow (2019-2021)*  
• PI, Awardee of SNSF Early-Postdoc Mobility Fellowship (88'400 CHF)
- 2018 – now **j4energy** Italy  
*Co-Founder*. Advanced optimization models for industrial energy systems
- 2013 – 2019 **École Polytechnique Fédérale de Lausanne (EPFL)** Switzerland  
*Postdoc & Lecturer, IPESE group (2017 – 2019)*  
• Research: whole-energy system modeling, optimization under uncertainty  
• Lecturer: *Energy conversion and renewable energy* Master course   
*Research & Teaching assistant, IPESE group (2013 – 2017)*
- 2013 **University of Padova - Industrial Engineering Department** Italy  
*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 (240'000€ budget, 250+ students)
- 2006 – 2009 **Various internships** Italy, Germany, China  
Energy storage (3m), Aluminium foundry (1m), Compressor manufacturer (6m)