




# JORAM SCHITO


I am a motivated and multifaceted professional who aims at bringing energy, engineering, and digitization together. In my dissertation, I worked closely together with various power suppliers for developing algorithms that foster the automated planning of power transmission lines. Thus, I know all the regulations and methods in this field and can support companies to open up new business areas through innovations. I am creative, a strategic thinker, and very skilled in data analysis and visualization. I appreciate to interact with people as well as I like to moderate, present, and conduct workshops. Finally, I have several years of leadership experience and thus, I like to take responsibility for a team.


**Phone:** +41 78 616 04 44  
**E-Mail:** joram@joramschito.ch  
**Birthday:** 4 May 1984  
**Nationalities:** CH | ITA  
**Civil status:** married, 3 children

 **Dr. sc. ETH Zürich**

 **Geographic Information Engineer**


 **>6 years of experience in planning linear utility infrastructures**


 **>6 years of experience in project management**

 **Python, R, SQL, Java, JavaScript**

 **Competent in mathematics, statistics, and data science**

 **Broad knowledge in natural and social sciences**

 **Many years of teaching experience**

 **My strengths are in presenting, negotiating, and convincing people**

 **Flair for sound and vision**

 **3 awards**

## Employment History (Excerpt)

- 2021– Asset Management Specialist (90%)  
@ Energie 360°  
Asset management of gas and district heat pipes, spatio-temporal and economic modeling of grid renewal planning and selling scenarios, project management, involved in different topics regarding digitization.
- 2021– Lecturer (part-time)  
@ ETH Zurich, Dept of Civil, Environmental and Geomatic Engineering  
Lectureship (Master) for Interoperability in Geographic Information Systems.
- 2014–2021 Scientific Assistant (100%)  
@ ETH Zurich, Institute of Cartography and Geoinformation  
Project work: Research about the automation of transmission line planning in collaboration with various stakeholders, collaborative software development, project management, two accepted project proposals.  
Teaching: Planning and teaching of learning units, supervising semester and master theses, recruiting teaching assistants.  
Research: Planning, carrying out, and evaluating studies, writing scientific articles and project proposals, presenting results at conferences.
- 2014– Group Fitness Instructor (part-time)  
@ ASVZ & Activ Fitness  
Les Mills™ Advanced Group Fitness Instructor, BLACKROLL® Trainer, Catslide™.
- 2011–2015 Teacher (35%)  
@ Vocational School for Technology Uster, Section ICT Applications  
Teaching general education, ICT, and bionics. Official appointment as Form Teacher and as Head of ICT Applications in 2015.
- 2011–2014 Teacher (27%)  
@ Vocational School for Construction Zurich, Section GIS  
Teaching mathematics, CAD and ICT. Specializations in mathematics, GIS and geomatics.
- 2001–2010 Sales and Customer Service Employee (25–80%)  
@ IKEA Dietlikon  
Consulting and sales of kitchen and office furniture, handling of customer cases, correspondence, Super User IKEA Home Planner.

## Education

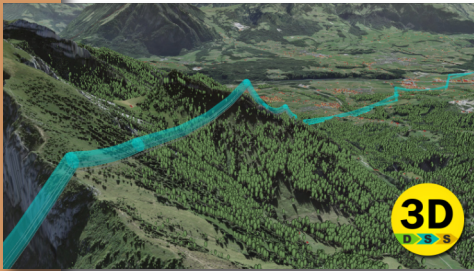
- 2014–2020 Dr. sc. ETH Zurich  
Indentations in GIS, Geostatistics, Statistics, Data Science, Machine Learning, Multi-Criteria Decision Analysis, Operations Research, Game Theory, strategy, negotiation, communication.
- 2013–2014 Teaching Diploma for Vocational Colleges in General Education, PHZH  
Various courses in didactics, communication, and leadership.
- 2010–2013 Teaching Diploma for Upper Secondary Education in Geography, UZH  
Various courses in didactics, communication, and leadership.
- 2006–2013 B.Sc. & M.Sc. UZH in Geography with specialization in GIScience  
Specializations in GIScience, cartography, hydrology, climatology, earth sciences, and soil science. Learning and application of research techniques.



It was a special experience to be interviewed as an expert for transmission line planning at Schweiz aktuell (14.5.2020).



I like to present current results at symposia in front of a broad and international audience, aiming at promoting the exchange of ideas.



The automation of transmission line planning was my research focus – the 3D Decision Support System is the result from this work.



Which technologies will be most useful for tackling the big issues in the future? I want to contribute to a better planet with my knowledge.

## Research Projects

- 2020 Reallocation of School Catchments in the Canton of Zurich  
Partners: Department for Secondary and Vocational Education of the Canton of Zurich.
- 2018–2020 Enhancing the 3D DSS for supporting the planning of electric power systems: Integration of underground cables  
Partners: SFOE, Swissgrid, ewz, and Elia Power Systems.
- 2014–2017 Application of 3D Geographic Information Systems for transparent and sustainable planning of electric power systems  
Partners: SFOE, Swissgrid, Austrian Power Grid, and BKW.

## Distinctions

- 2013 Faculty of Science of the University of Zurich: Legacy Prize for Outstanding Scientific Work (Master's Thesis)
- 2005 Schweizer Jugend forscht: National Award (Graduation Thesis)
- 2004 Impuls Mittelschule: Cantonal Award (Graduation Thesis)

## Further Education

- 2022 Registered Product Owner by scruminc.
- 2021 STARTUP CAMPUS: Business Concept
- 2020 Agile Software Development
- 2012 Quality System Manager (ISO 9001)
- 2012 Environment System Manager (ISO 14001)

## Volunteering

- 2017–2021 Advisory Member of the Cantonal Commission for Digitalization @ Social Democratic Party of Zurich
- 2017–2020 Representative of the Scientific Staff in the Teaching Commission @ ETH Zurich, D-BAUG
- 2015–2016 Executive Member of the Bandroom Planning Group @ Music Platform of ETH & University of Zurich | VSETH
- 2007–2013 Moderator and DJ at Radio Radius @ SOSeth
- 2001–2003 Executive Member and President of the Student Organization @ Kantonsschule Glattal

## Fluent Languages

German | Italian | English (C2) | French (C1) | Spanish (B1)

## Expert User

Python & open GIS libraries | R | Shiny | ArcGIS Pro | QGIS | PostgreSQL | PostGIS | Microsoft 365 | Affinity Suite | Adobe Creative Suite

## Advanced User

HTML5 | CSS | JavaScript | vue.js | React | Bootstrap | Processing (Java) | FME | GNU/Linux | IBM SPSS | Steinberg Cubase | DaVinci Resolve | ROKA3

