Joram Schito

I am a motivated professional at the intersection of energy systems, engineering, and digitalization, committed to advancing the transition to sustainable energy systems. As an asset manager, I drive strategic investment decisions in future grid infrastructure and collaborate closely with senior management, developing data-driven decision-support solutions.

I combine strong energy domain expertise with hands-on software engineering across the full data lifecycle, building scalable tools and models that translate complex data into decision-ready insights. During my doctoral research, conducted in close collaboration with power system operators, I developed algorithms for automated transmission line planning. I am a strategic and creative thinker with a strong analytical mindset, and I thrive in collaborative environments. I enjoy working with people, aligning stakeholders, and leading interdisciplinary initiatives, including projects in the hydrogen sector.

Contact & Personal

+41 78 616 04 44

joram@joramschito.ch

4 May 1984

CHE | ITA

Married, 3 Children

Professional Identity

Geographer | Spatial Data Scientist

Lecturer | Former School Teacher

Skilled Presenter

Key Skills

Broad Scientific Knowledge

Quantitative Methods | GIS | MCDA

Mathematical Modeling | Statistics

Programming (Python, R, SQL)

Sound | Vision | Creativity

Languages & Recognition

EN | DE | FR | IT | ES

3 Scientific Awards

3 Projects Independently Acquired

Project Funding Acquired: 600 kCHF

Hobbies

Group Fitness

Music

Sailing

Photography

Cooking

Employment History

08/2021–date — **Asset Management Specialist**
Energie 360° (90%)
Strategic asset management for gas and district heating utility grids, focusing on optimization, simulation, and forecasting. Co-authored corporate AI strategy, established company-wide AI program, and initiated AI community. Recruited and supervised three student employees and developed various analytical tools and Decision Support Systems for long-term infrastructure investment planning.

04/2021–date — **Lecturer**
ETH Zurich, Dept of Civil, Environmental and Geomatic Engineering (part-time)
Lecturer for interoperability of GIS, spatial data analysis and databases. Independently designed and delivered courses; regularly invited for external courses and lectures.

10/2014–03/2021 — **Scientific Assistant**
ETH Zurich, Institute of Cartography and Geoinformation (100%)
Researched automated transmission line planning, developed decision-support software, managed projects, and acquired competitive research funding. Planned and delivered lectures, supervised Master's theses, and coordinated teaching assistants.

02/2014–date — **Group Fitness Instructor**
ASVZ & Activ Fitness (part-time)
Certified instructor in multiple programs, including Les Mills™ (Advanced level), BLACKROLL®, Catslide™, and TRX® Suspension Training.

08/2011–07/2014 — **Teacher**
Vocational School for Construction Zurich, Section GIS (27%)
Taught mathematics, CAD and ICT for surveyors.

02/2011–07/2015 — **Teacher**
Vocational School for Technology Uster, Section ICT Applications (35%)
Taught general education, ICT, and bionics. Appointed Head of ICT Applications in 2014 and Form Teacher in 2015.

09/2008–12/2011 — **Lead Teaching Assistant**
University of Zurich, Department of Geography (10%)
Designed and delivered geovisualization exercises; led and coordinated a team of 10 assistants, ensuring didactic quality and consistent assessment.

10/2001–07/2010 — **Sales and Customer Service Officer**
IKEA AG Dietlikon (25–80%)
Consulted customers on kitchen and office solutions, managed correspondence and customer cases; served as Super User for IKEA Home Planner.

Volunteering & Public Engagement

05/2017–07/2021 — **Advisory Member**
Social Democaratic Party, Cantonal Commission for Digitalization

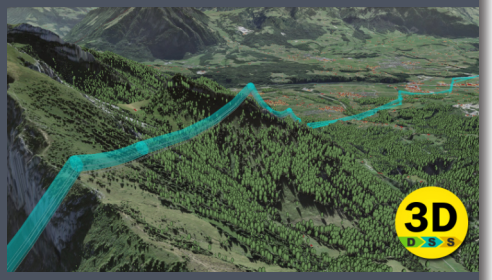
09/2017–11/2020 — **Representative of the Scientific Staff**
ETH Zurich, D-BAUG, Teaching Commission

08/2015–04/2016 — **Executive Member of the Bandroom Planning Group**
Music Platform of ETH & University of Zurich | VSETH

07/2007–08/2013 — **Radio Moderator and DJ**
SOSETH, Radio Radius

Featured as an expert on decision-support methods for infrastructure planning in the national TV program Schweiz aktuell (14 May 2020).

Enthusiastic and experienced presenter, engaging international audiences to foster knowledge exchange on decision sciences and quantitative methods.



Developed a 3D Decision Support System integrating operations research and spatial analytics to automate complex infrastructure planning decisions.

Exploring which technologies and analytical frameworks best address future societal challenges, applying decision sciences to enable sustainable, evidence-based solutions.

Education

09/2024–12/2024 **Certificate of Advances Studies in Generative AI**
University of Zurich
Courses in Machine Learning, Artificial Intelligence, Large Language Models.

10/2014–01/2021 **Doctor of Sciences**
ETH Zurich
Spatial Algorithms, Geostatistics, Statistics, MCDA, Operations Research, Game Theory.

09/2013–07/2014 **Teaching Diploma for Vocational Schools in General Education**
Zurich University of Teacher Education
Pedagogy, Communication, Psychology, and Leadership.

09/2010–07/2013 **Teaching Diploma for Upper Secondary Schools in Geography**
University of Zurich
Pedagogy, Communication, Psychology, and Leadership.

09/2009–03/2013 **Master of Science in Geography (with distinction)**
University of Zurich
Geographic Information Science and Physical Geography.

09/2006–05/2009 **Bachelor of Science in Geography**
University of Zurich
Minors in Cartography, Earth Sciences, Climatology, and Musicology.

Project Leadership & Acquisition

10/2025–09/2026 **H2-Bülach**
Conducted at: Energie 360°
Investigating technical requirements for injecting 20 vol.% hydrogen into a gas grid
Analysis of hydrogen behavior under real conditions
Funded by: FOGA (Swiss Gas Industry R&D Fund)
Supervised: 1 diploma thesis (2 students)
Principal Investigator & Project Lead · Funding Acquired

20/2020–02/2021 **Optimization of School Catchment Areas (Canton of Zurich)**
Conducted at: ETH Zurich
Developed optimization model for school allocation and public transport accessibility
Objective: Minimize travel time & optimize capacity utilization
Funded by: Department of Secondary and Vocational Education, Canton Zurich
Recruited and supervised: 1 research assistant
Project Lead · Funding Acquired

10/2018–09/2020 **3D Decision Support System for High-Voltage Power Lines – Earth Cables**
Conducted at: ETH Zurich
Developed algorithms for planning underground cables (N-1 to N-5)
Funded by: SFOE, Swissgrid, ewz, Elia
Supervised: 2 Master's theses
Lead Researcher · Funding Acquired

10/2014–09/2017 **3D Decision Support System for High-Voltage Power Lines**
Conducted at: ETH Zurich (PhD project; major contributor)
Developed algorithmic approaches for automated transmission line planning (N-1)
Funded by: Swiss Federal Office of Energy, Swissgrid, APG, BKW
Supervised: 2 Master's theses
Lead Researcher · Key Contributor to Follow-up Project · No Funding Responsibility

Awards & Distinctions

2013 **Legacy Prize for Outstanding Scientific Work**
University of Zurich, Faculty of Science

2005 **National Award for Outstanding Theses**
Schweizer Jugend forscht

2004 **Cantonal Award for Outstanding Theses**
Impuls Mittelschule

Further Training & Certification

Data, AI & Geospatial	PowerBI – City of Zurich (2026) Geodata Processing with AI Tools – ETH Zurich (2026) Model-based Data Transfer with Restructuring with INTERLIS – ETH Zurich (2025) Geodata Processing with ArcGIS & Python – ETH Zurich (2015)
Energy Systems	District Heating and Cooling – Lucerne University of Applied Sciences (2022) Natural Gas Infrastructure & Applications – SVGW (2021)
Agile & Product Development	Registered Product Owner – scruminc (2022) Startup Campus: Business Concept – Innosuisse (2021) Agile Software Development – edX / ETH Zurich (2020)
Leadership & Teaching Development	The Leadership Project – University of Zurich (2019) University-level teaching & didactics training – ETH Zurich (2015–2017) Leadership & pedagogy training (Vocational School for Technology Uster, 2011–2015)
Languages	German & Italian: Native English: Full professional proficiency (C2) – (academic writing, TOEFL 100, language immersion in San Diego, USA) French: Professional working proficiency (C1) Spanish: Intermediate (B1)

ICT-Skills

DevOps & MLOps	Full-Stack (LAPP & WIMP) | Python | R | SQL | Panel/Shiny | HTML5 | Tailwind CSS | JavaScript/TypeScript | React/Next | Processing (Java) | TensorFlow | Docker
GIS & Engineering	Open GIS Libraries | ArcGIS Pro | QGIS | PostGIS | FME | ROKA3
Server Management	GNU/Linux | Proxmox | Ubuntu Server | IIS | design, deployment and operation of multiple server and network environments
Office & Creativity	Microsoft 365 | PowerBI | ERPNext | Affinity Suite | Adobe Creative Suite | Steinberg Cubase | DaVinci Resolve | Home Assistant (IoT) | RS 485 (Modbus)