

# Valerio Poggi

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## Curriculum Vitae

### ○○○ **Personal Information**

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Date of birth: September 19, 1976

Nationality: Italian

Marital status: Married

### ○○○ **Web IDs**

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ORCID: [0000-0001-8336-3445](https://orcid.org/0000-0001-8336-3445)

Researcher ID: [C-5195-2013](https://orcid.org/C-5195-2013)

Scopus Author: [35254185600](https://orcid.org/35254185600)

Web Links: [Linkedin](#), [Google Scholar](#)

### ○○○ **Education**

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2011 **Ph.D. in Geophysics**, Swiss Federal Institute of Technology (ETH), Zurich, Switzerland. Diss., Nr. 19534

2006 **Degree in Geology**, Universita' degli Studi di Milano (Italy), marks **110/110 cum Laude** (*with honors*)

### ○○○ **Research Experience**

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2015-2017 **Earthquake Hazard Scientist** at Global Earthquake Foundation (GEM), Pavia, Italy

2014-2015 **Lecturer** (*Dozent*) at ETH Zurich, Switzerland

2013-2015 **Senior Researcher** (*Oberassistent*) at the Swiss Seismological Service (SED), ETH Zurich, Switzerland

2011-2013 **Post-doctoral fellow** at the Swiss Seismological Service (SED), ETH Zurich, Switzerland

2006 **Student assistant** at the National Council of Research (CNR), Italy

## CV 2017

- **Teaching Activity**
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- 2017 **Lecturer** of the GEM training course “*Seismic Hazard Modeling Tools*”, Pavia, Italy
- 2016 **Lecturer** of the GEM training course “*Introduction to Probabilistic Earthquake Hazard Analysis*”, Addis Ababa, Ethiopia
- 2015-2106 **Lecturer** of the MEEES module “*Seismic local response - Engineering seismology and seismic hazard*”, Rose Program, IUSS School, Pavia
- 2014 **Lecturer** of the ETH Master Course “*Engineering Seismology*”, ETHZ, Zurich, Switzerland
- 2014 **Lecturer** of the course “*Using Ambient Vibration Array Techniques for Site Characterization*”, Grenoble, France
- 2013 **Lecturer** of the ETH ZLG course “*Erdbebengefährdung und Sicherheit - Site effects and site characterization*”, (Certificate of Advanced Studies), Zurich, Switzerland
- 2007-2013 **Coordinator** and **Teaching Assistant** for the ETH laboratory course “*Geophysikalisches Feldpraktikum - Seismische Bodenunruhe*”

- **Mentoring / Supervision**
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- 2017 Federica Ghione, *Master student*, University of Pavia
- 2017 Iason Grigoratos, *PhD candidate*, IUSS School, Pavia
- 2015 Marwan Irnaka, *Master student*, IUSS School, Pavia
- 2014 Ashraf Adly, *PhD candidate*, University of Cairo, Egypt
- 2014 Elena Manea, *PhD candidate*, National Institute of Earth Physics (NIEP), Bucharest, Romania
- 2013 Laura Ermert, *Master student*, ETH Zurich , Switzerland:  
- **ETH silver medal** for outstanding Master thesis  
- **SGEB award** for outstanding Master project
- 2012 Benjamin Walliman, *Bachelor student*, ETH Zurich, Switzerland

- **Languages**
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- Italian: Mother tongue
- English: Fluent (level C1)
- German: Intermediate (level B1)
- French: Beginner (level A1, presently ongoing A2)

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## Computer Skills

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Platforms: GNU/Linux, Mac OS X, Windows operating systems  
Programming: Python, ANSI C/C++, MATLAB, UNIX Bash Scripting, MPI, GTK+,  
GNU/Linux System programming  
Tools: OpenQuake, Geopsy, SAC, Obspy, Sofi2D  
Editing: GMT, LaTeX, LibreOffice, Gimp

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## Publication Log

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Articles: 21 Peer-reviewed documents, 62 co-authors  
Citations: 285 total citations by 179 documents  
*h*-index **10** (Scopus), 12 (Google Scholar)

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## Projects

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SSAHARA: The Seismic Hazard Assessment of Sub-Saharan Africa  
NAGRA: National Cooperative for the Disposal of Radioactive Waste  
COGEAR: Coupled Seismogenic Geohazards in Alpine Regions  
PRP: PEGASOS Refinement Project  
SUIHAZ: Probabilistic seismic hazard zonation of Switzerland  
NERIES: Network of Research Infrastructures for European Seismology  
SHARE: Seismic Hazard Harmonization in Europe (as external expert of WP4)

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## Editorial Activity

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2017 **Guest editor** of the Special Issue “Site-Specific Seismic Hazard Analysis: New Perspectives, Open Issues and Challenges”, Geosciences, MDPI AG. (ISSN 2076-3263)

2011-present **Peer reviewer:** Bulletin of the Seismological Society of America; Geophysical Journal International; Geophysics; Pure and Applied Geophysics; Natural Hazards; Soil Dynamic and Earthquake Engineering; Journal of Applied Geophysics; Physics and Chemistry of the Earth; Computer Physics Communications; Near Surface Geoscience

2014 **Session Chair:** *Second European Conference on Earthquake Engineering and Seismology (2ECEES)*, Istanbul, Turkey

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## **Research Interests**

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- **Applied geophysics:** ambient vibration seismology; diffuse wave-field analysis; surface-waves analysis; geophysical inverse problems
- **Engineering seismology:** seismic response analysis; site characterization; microzonation; ground motion prediction; probabilistic and deterministic seismic hazard
- **Wave Modeling:** numerical methods; analytical and semi-analytical methods for eigenvalue problems

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## **Workshops and Summer schools**

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- 16th CINECA summer school of parallel computing, Bologna (Italy)

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## **Personal Interests**

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- **Music:** Playing Western Concert Flute, Classic Piano
- **Art:** Drawing, painting and sculpting with various techniques
- **Electronic & DIY:** Analog/digital, PCB design, acquisition devices