

Valerio Poggi

Web: <http://seismo.org/ValerioPoggi>

E-mail: poggi.valerio@gmail.com

Phone: (+39) 339 59 94 678

Curriculum Vitae

○○○ **Personal Information**

Date of birth: September 19, 1976

Nationality: Italian

○○○ **Web IDs**

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 / Qualification**

2017 **Italian National Scientific Qualification** (ASN) for Associate Professorship, *SSD Geophysics 04/A4*

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**

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

○○○

Teaching Activity

- 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

- 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

- Italian: Mother tongue
- English: Fluent (level C1)
- German: Intermediate (level B1)

○○○

Computer Skills

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

○○○

Publication Log

Articles: 22 Peer-reviewed documents, 65 co-authors
Citations: 332 total citations by 212 documents
h-index **11** (Scopus), 12 (Google Scholar)

○○○

Projects (Selected)

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)

○○○

Editorial Activity

2017 **Guest editor** of the Special Issue “Site-Specific Seismic Hazard Analysis: New Perspectives, Open Issues and Challenges”, Geosciences, MDPI AG. (ISSN 2076-3263)
2014 **Session Chair:** *Second European Conference on Earthquake Engineering and Seismology (2ECEES)*, Istanbul, Turkey
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

○○○

Research Interests

- **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

○○○

Workshops and Summer schools

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

○○○

Personal Interests

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