Gabriele Ferretti

Associate professor

gabriele.ferretti@unige.it
+39 0103538087
+39 0103538098

Education and training

2002
PhD of Geophysics
Non linear problem in seismology the examples of the location procedures and the seismic 3-D tomography
Genoa University - Genova - IT

1998
Degree in Physics
Cross-correlazione raytracing 3-D e metodo di inversione non lineare per una tomografia da telesismi - 106/110
University of Genoa - Genova - IT

Academic experience

2019 - ONGOING
Associate professor
DISTAV University of Genoa - Genova - IT

2006 - 2019
Researcher
DISTAV University of Genoa - Genova - IT

Language skills

English
Independent

Teaching activity
Lecturer in the courses of:
Elements of hydrology and applied meteorology (Bachelor's Degree in Geological Sciences)
Applied Seismology, Seismic Risk and Microzonation, Applied seismology, Principles of remote sensing, and Atmosphere and climate change (Master's Degree in Geological Sciences).
Supervisor of numerous theses in the LT and LM of Geological Sciences of Seismological or Meteo-Hydrological topic

Postgraduate research and teaching activity

Supervision of PhD students, residents and post-doctoral fellows

Supervisor of Doctoral Theses within the STAT Doctoral Course (DISTAV, Unige)
Professor of the course 'ACQUISITION AND ANALYSIS OF DIGITAL DATA: AN APPLICATION TO SEISMIC MICROZONATION STUDIES' as part of the STAT Doctoral Course

Research interests

My scientific activity was mainly addressed to different sectors of experimental and observational seismology with particular regard to:

- Design, installation and management of fixed and temporary seismic networks.
- Analysis and processing of velocimetric and accelerometric data.
- Design and development of methods for automatic recognition of seismic phases and localization of earthquakes in near-real-time.
- Experimental and theoretical analysis of site effects.
- Seismic Tomography.
- Seismic and microzonation hazard analysis Seismicity analysis and seismotectonic studies.
- Planning, installation and management of temporary and permanent seismic networks
- Implementation and use of algorithms for exploration and characterization of the subsoil through active and passive seismic methods