



Laura Crispini

Full professor

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Education and training

1995

PhD in Earth Sciences

University of Genova Torino Cagliari - Genova - IT

1990

Master Degree in Earth Sciences

University of Genova - Genova - IT

Academic experience

2021 - ONGOING

Full Professor (GEO/03 Structural Geology)

University of Genova

2011 - 2021

Associate Professor in Structural Geology and Tectonics

University of Genova - Genova - IT

I took part in Scientific Expedition in Antarctica with Remote Field Camps PNRA Italian Antarctic Exp XXX (2014-15) XXXI (2015-16) XXXII (2016-17) XXXIV (2018-19) - Invited Field Scientist in the German Scientific Expedition in Antarctica GANOVEX XI BGR (2015-16) - Field leader for the Scientific Expedition in Antarctica GANOVEX XII-REGGAE PNRA (2016-17)-(2018-19) - Leader of 'Structural Geology Team' ICDP-Oman Drilling Project' Phase 1 Chikyu (Japan 2017) -Geologist of the Science Team for 'ICDP-Oman Drilling Project' Phase 2 (Oman 2018) - Leader of the 'Structural Geology Team' ICDP-Oman Phase2 Chikyu (Japan 2018) - Field Director of Geological mapping for the Italian and Regional Geological Survey mapping Projects

1999 - 2010

Assistant Professor/Permanent Researcher in Structural Geology and Tectonics

University of Genova - Genova - IT

I took part in Scientific Expedition in Antarctica with Remote Field Camps PNRA Italian Antarctic Exp XIX (2003-04) XXI (2005-06) - Shipboard Scientist in ODP (Ocean Drilling Program) LEG 206- Site 1256 ' (2002-03)-Shipboard Scientist in IODP-Exp 309 ' Superfast Spreading Rate Crust 2-site 1256' (2005) - Field Director of Geological mapping for the Italian and Regional Geological Survey mapping Projects

1996 - 1999

Post-Doctoral Research Fellow in Structural Geology and Tectonics of Antarctica

University of Genova - Genova - IT

I took part in Scientific Expedition in Antarctica with Remote Field Camps PNRA Italian Antarctic Exp XII (1996-97)-

1995 - 1996

Associated Researcher and Teaching assistant

University of Genova - Genova - IT

1992 - 1994

PhD Student in Earth Sciences

University of Genova - Genova - IT

Language skills

Italian

Mother tongue

English

Independent

Spanish

Basic

Teaching activity

I have been teaching at University of Genova since 1991. Since 1999 my classes include: Field geology and mapping (including interpretation of geological maps and cross sections), Structural Geology, Microtectonics, Application of Structural Geology both for B.Sc. level and MSc. level and Classes for the PhD School of Earth Sciences.

- I was Advisor (or co-advisor) for 7 PhD students and more than 70 MSc theses and BSc theses (25 in the last 3 years) and one Post-doc fellow, Italian 'Assegnista di Ricerca'. I have been Co-supervisor and coordinator of WP7 (Dissemination and Exploitation) in ESR2 (Early Stage Researchers) Marie-Curie Initial Training Network entitled: ABYSS.

- I am active in dissemination and outreach activity organising Seminars and Laboratory for Public, Museums and Schools.

Postgraduate research and teaching activity

Supervision of PhD students, residents and post-doctoral fellows

- I have been Advisor (or co-advisor) for 7 PhD students , tutor of 2 'Assegni di Ricerca' and 1 annual Post-PhD Research grant at the DISTAV, University of Genova.

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PhD committees membership

- I am a member of the PhD Board of the STAT PhD School 'Science And Technologies for the Environment and Territory' (University of Genova)

- I was part of the international network of research and higher education, involving tutoring and mobility of doctoral students and postdocs: 2013-2017 Seventh FP7 Framework Program PEOPLE - European Union within the Marie Curie Initial Training Network Multipartners project "ABYSS, Network training on reactive geological systems from the mantle to the abyssal sub-seafloor", Grant Agreement n. 608001, as coordinator of WP7 (Dissemination and Exploitation)

Postgraduate (PhD) teaching activity

- Since 2000 I held lectures for the PhD school of Earth Sciences of the University of Genova and I held invited seminars at national and international PhD Schools and Masters at Italian and foreign Universities and Research Centers

Research interests

SCIENTIFIC INTEREST

- ERC Sectors: PE10_5, PE10_7, PE10_10, PE10_11, PE10_12, PE10_15
LC scientific interests are on: Structural geology, Tectonics and geodynamics, petrology and Geological mapping.

Main topics:

- Geodynamics of Gondwana and Transantarctic Mountains, Antarctica
 - Evolution of orogeny: deformation and metamorphism, exhumation of high-pressure rocks and kinematic trajectories, late-orogenic tectonics
 - Melanges and subduction channels
 - Ophiolite and Oceanic sequences
 - Structures and microstructures of deformed rocks in high strain zones, relation to EQ dynamics. Shear zones and fluid-rock interaction
 - Connection between geology and geophysics.
 - Dynamics of Intraoceanic subduction zones and digital modeling.
- Principal Field sites: Western Alps, Ligurian Alps, Corsica, northern Apennine, Antarctica, Oman and the Ocean East Pacific Ridge.