



## Laura Crispini

Associate 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*

2011 - ONGOING

#### **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)- 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 6 PhD students and more than 60 MSc theses and BSc theses.

- At present I am Co-advisor of 1 PhD student 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 Multipartnership 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: PE\_10: 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.