

Laura Federico

Associate professor

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Education and training

2003

PhD in Earth Sciences

Subduction and Exhumation of Ligurian Alps metaophiolites
geochronological constraints and tectono-metamorphic evolution
University of Genova - Genova - IT

1998

Master's degree in Geology

Field mapping and structural analysis of the area between Praglia and S.
Carlo di Cese (Voltri Group Ligurian Alps) - 110/110 with honors
University of Genova - Genova - IT

Academic experience

2016 - ONGOING

Associate Professor of S.S.D. GEO/03 (Structural Geology)

DISTAV - University of Genova - Genova - IT

2012 - 2015

Researcher of S.S.D. GEO/03 (Structural Geology)

DISTAV - University of Genova - Genova - IT

2008 - 2010

Post-doctoral fellow

DISTAV - University of Genova - Genova - IT

Late- and post-orogenic structural evolution of the SE-termination of
Ligurian Alps

2006 - 2007

Post-doctoral fellow

DISTAV - University of Genova - Genova - IT

The tectonic lineaments of northern Victoria Land in the geodynamics of
Antarctica - New Zealand - Tasmania - Australia system

2003 - 2005

Post-doctoral fellow

DISTAV - University of Genova - Genova - IT

Paleozoic geodynamics of northern Victoria Land - Antarctica

Teaching activity

I carry out my teaching activity within the Geology course of the University of Genova.

At present I teach the structural geology module within Geology 1 (first year of the Bachelor's degree in Geology) and Field Mapping 2 (second year of the Master's degree in Geology).

Research interests

My principal research fields are:

- 1) Relationships between deformation and metamorphism in HP rocks;
- 2) Inversion of fault-slip data and paleostress field reconstructions;
- 3) Structural setting of the Western Alps and geodynamic evolution of the 'Ligurian knot';
- 4) Subduction and exhumation mechanisms in collisional orogens;
- 5) Tectonics of the Transantarctic Mountains in northern Victoria Land (Antarctica);
- 6) Field mapping with production of geological maps of the Ligurian Alps and Tertiary Piedmont Basin (northern Italy).

This research activity led to the publication of about 35 papers and 110 abstracts of congress presentations, of several geological maps and the PhD Thesis.