

## Andrea Cevasco

Associate Professor (GEOS-03/B – Engineering Geology)

### EDUCATION AND TRAINING

2001

**PhD in Earth Science (Cycle XIII)**

PhD Thesis in Engineering Geology – Landslides and rock failure phenomena in steep rocky coastal areas of eastern Liguria

Consortium of the Universities of Genova, Torino and Cagliari - IT

1996

**Master's Degree in Geological Sciences**

Master's Degree Thesis in Geological Survey/Structural geology – Geology of the western promontory of the Gulf of La Spezia: from the Corniglia-M.Croce alignment to the Pignone stream

University of Genova - Genova - IT

### PROFESSIONAL HISTORY

2017 - ONGOING

**Associate Professor, Scientific Disciplinary Sector GEOS-03/B (Engineering Geology)**

University of Genova - Genova - IT

2005 - 2017

**Researcher (permanent position), Scientific Disciplinary Sector GEO/05 (Engineering Geology)**

University of Genova - Genova - IT

2002 - 2004

**Post-doctoral fellow**

Research activity on seismic risk prevention

University of Genova - Genova - IT

1998 - 2000

**PhD Student**

University of Genova - Genova - IT

### ACADEMIC APPOINTMENTS

2024 - ONGOING

**Member of the Technical Scientific Committee (CTS) of the University of Genoa (scientific panel identified to ensure efficient supervision of the monitoring and control processes of interventions financed under the Notices referred to in D.D. 104/2022 and 1409/2022)**

University of Genova - Genova - IT

2019 -ONGOING

**Member of the Academic Board of the PhD Program in Science and Technology for the Environment and Territory (STET)**

University of Genova - Genova - IT

2016 -ONGOING

**Member of the Scientific Board of the Department of Earth, Environmental and Life Sciences (DISTAV)**

University of Genova - Genova - IT

2014 -ONGOING

**Member appointed by the Department of Earth, Environmental and Life Sciences for the Geological Risk Study Center of the Cinque Terre National Park**

Cinque Terre National Park Authority - IT

## **EXPERIENCE**

### MAIN SEMINARS

2019 Geological and geomorphological settings of Cinque Terre area

Summer School on Natural Hazards and Engineering Geology Applications – PhD School in Earth and Environmental Sciences

University of Pavia - Pavia - IT

2019 Leading field trip in the Vernazza catchment (Cinque Terre)

Summer School on Natural Hazards and Engineering Geology Applications - PhD School in Earth and Environmental Sciences

University of Pavia - Pavia - IT

2019 The Cinque terre National Park: geological setting and landslides

Course for professionals registered with the Association of Geologist

Cinque Terre National Park Authority- Manarola - IT

2017 e 2016 Specific safety on temporary construction sites

Seminar as part of a course on health and safety in the workplace

Genoa Building School - Genova - IT

2016 The cliffs and high rocky coasts

Seminar as part of the course "Beach morphology and dynamics"

National Lifesaving Society - IT

2016 Geo-hydrological instability in the Genoa area and eastern Liguria

Seminar

Già - Libera" summer school - IT

2014 Leading field trip in the Vernazza catchment (Cinque Terre)

"Landslide Modelling and tools for vulnerability assessment Preparedness and Recovery management" Exploitation Workshop - Lampre Project - EU

SCIENTIFIC RESPONSIBILITY FOR RESEARCH PROJECTS ACCEPTED FOR FUNDING ON THE BASIS OF COMPETITIVE CALLS INVOLVING PEER REVIEW

**2021 -ONGOING** Stonewallforlife - Using dry-stone walls as multi-purpose climate change adaptation tool

LIFE Project "STONEWALLFORLIFE LIFE 18 CCA/IT/001145

Principal investigator

#### TEACHING OR RESEARCH POSITIONS (FELLOWSHIPS) AT FOREIGN UNIVERSITIES AND RESEARCH INSTITUTES

**1999** Methods for rock failure susceptibility assessment in high rocky coast environment

Research activity at Complutense University of Madrid

Complutense University of Madrid – Madrid - E

#### EDITORSHIP OR PARTICIPATION IN EDITORIAL BOARDS OF JOURNALS, PUBLISHING SERIES, ENCYCLOPAEDIAS AND TREATISES

**2018-2024** Associate Editor

Rendiconti Online della Società Geologica Italiana

Italian Geological Society - IT

#### PRIZES AND ACCOLADES FOR SCIENTIFIC ACTIVITY, INCLUDING MEMBERSHIP OF ACADEMIES

**2022** AIGA Award for Best Scientific Contribution (call 2022)

Di Napoli M., Carotenuto F., Cevasco A., Confuorto P., Di Martire D., Firpo M., Pepe G., Raso E., Calcaterra D. (2020) - *Machine Learning Ensemble Modeling as a tool to improve Landslide Susceptibility Mapping reliability*. *Landslides*, 17, 1897-1914. DOI: 10.1007/s10346-020-01392-9

AIGA (Italian Association of Engineering Geology and the Environment)

**2022 AIGA** AIGA Award for the Best AIGA Scientific Paper (call 2022)

Pepe G., Rizzi G., Musante B., Viola G., Cevasco A. (2021) – *Engineering geological investigation of the Fontane landslide (Eastern Liguria, Italy)*. *Italian Journal of Engineering Geology and the Environment*, 1, 2021, 173-182. DOI: 10.4408/IJEGE.2021-01.S-16

AIGA (Italian Association of Engineering Geology and the Environment)

**2016** Best Poster Award presented at session S25: “Geological safety of built and urban areas” – 88<sup>th</sup> Congress of the Italian Geological Society – Napoli, September 7-9, 2016

Cevasco A., Pepe G., Macciò R., Arrighetti F., De Stefanis E., Poggi F., Boni R. & Firpo M. : *Interactions between relict landslides and built environment: hazard investigations and monitoring at Mendatica (western Liguria, Italy)*”

AIGA (Italian Association of Engineering Geology and the Environment) – Italian Geological Society

#### OTHER EXPERIENCES

**2020-2023-2025(ONGOING)** Chair of the Examination Board for State Examinations for Qualification to Practise as a Geologist and Junior Geologist

University of Genova - IT

**2023 –ONGOING** Participant

“Landslide Impact on NATure Reserve: digital outcrop analysis for the study of the landslide threat in naturalistic-geological heritage in the frame of dynamic slope monitoring for risk management purposes”

MUR - PRIN-Cofin Project (call 2022) - IT

**2022-2023** Scientific director

*Scientific collaboration agreement for ‘technical and scientific support activities for the processing of high-resolution cartographic data/digital products available for the coastal area of the Cinque Terre National Park, acquired through GNSS topographic surveys and ground-based laser scanners, and through aerial photogrammetric surveys using drones’.*

Cinque Terre National Park Authority - Department of Earth, Environmental and Life Sciences (DISTAV) - IT

**2018-2020** Scientific director

*Agreement for ‘the development of methods and tools for rainfall-induced shallow landslides susceptibility assessment in areas within the Cinque Terre National Park’.*

Cinque Terre National Park Authority – UniSapienza DST – Unina “Federico II” DISTAR – Unige Department of Earth, Environmental and Life Sciences (DISTAV) - IT

**2018** Member of the Examination Board for State Examinations for Qualification to Practise as a Geologist and Junior Geologist

University of Genova - IT

**2017 -2020** Participant

“Maregot” Project

Interreg Maritime - EU

**2017** Member of the Examination Board for PhD in Earth Sciences

University of Pisa - IT

**2017-ONGOING** PhD Supervision

Supervisor of 2 Ph.D theses

University Genova - IT

**2015-2024** Council Member of Scientific Societies

Executive Council of AIGA (Italian Association of Engineering Geology and the Environment)

AIGA - IT

**2010 -2013** Participant

“Resmar” Project

Interreg Maritime - EU

**2007-2008** Scientific Director

*Research contract for the development of a “study aimed at identifying a methodology for the rock failure susceptibility assessment in high and rocky coast’ and its application to the coastal area between Rapallo and Chiavari (Genova Province).*

Liguria Regional Authority-DipTeRis Unige - IT

**2005-ONGOING** Thesis Advisor

Advisor for 61 Theses in Geological Sciences, Environmental Sciences and Geographic Sciences.

University of Genova - IT

**2004** Participant

“Pilot cases of beach nourishment in Liguria: compatibility of materials from borrow pits and assessment of the effectiveness of interventions.”

MIUR - PRIN Project – IT

**2001** Participant

“Geria” Project

Cross-border Interreg – EU

**2000** Participant

Analysis of sedimentological and morphological changes in beaches caused by coastal defence and reconstruction works.

MIUR - PRIN Project - IT