



Silvia De Angeli

Fixed-term assistant professor

✉ silvia.deangeli@unige.it

Education and training

2018

Doctor of Philosophy - Understanding and Managing Extremes

Modelling of Single and Multiple Hazards Impacts on Complex Territorial Systems - main challenges and definition of new methodological approaches

Istituto Universitario di Studi Superiori (IUSS) Pavia - Pavia - IT

2014

Master's Degree

Development of a multi-hazard and multi-users risk scenario methodology and application to a study case - 110/110 with honours

Università di Genova - Genova - IT

2011

Bachelor's Degree

Digital Earth Action vulnerability assessment of infrastructure networks finalized to emergency management - 110/110 with honours

Università di Genova - Genova - IT

Academic experience

2017 - 2018

Post-doctoral fellow

Università di Genova (DIBRIS) - CIMA Research Foundation - Savona - IT
Natural Hazard risk scenarios definition and characterisation in a multi-scale and multi-hazard framework - definition and characterisation of the elements exposed to different natural hazards with a specific focus on sensible infrastructures.

2020 - 2022

Post-doctoral fellow

Università di Genova (DICCA) - Genova - IT

Monitoring and reporting of the environmental ethical and social positive effects of the actions of the University of Genova on the pathway towards sustainability according to the goals of the three-years plan and to entry into national and international sustainability and Third-Mission rankings.

2022 - ONGOING

Researcher (RTD-A)

Università di Genova (DICCA) - Genova - IT

Evaluation of climate change impacts on sustainable management of water resources and water-related risks

Work experience

2018 - 2020

Senior Project Engineer in RD area

Stam S.r.l. - Genova - IT

Development and management of EC co-funded projects dealing with Risk Assessment of Critical Infrastructures and Energy and Environment (including Indoor Comfort and Energy Efficiency Wastewater treatment and management and Circular Economy).

Language skills

English

Proficient

Cambridge FIRST

Certificate - IELTS

CEFR level C1

Italian

Mother tongue

French

Independent

Teaching activity

Member of the Curriculum Committee in Risk and Resilience Engineering for the Natural, Industrialized and Built Environments (PhD Program on Security, Risk and Vulnerability, University of Genoa)

Lecturer - Course of Multi-Hazard Impact and Risk Assessment, Engineering for Natural Risk Management, University of Genoa, A.Y. 2022/2023

Lecturer - Course of Integrated Risk Assessment and Management, Engineering for Natural Risk Management, University of Genoa, A.Y. 2021/2022

Teaching support - Course of Hydraulic Constructions, Bachelor's in Civil and Environmental Engineering, University of Genoa, A.Y. 2020/2021

Research interests

- Natural Hazards Exposure and Vulnerability
- Multi-hazard Risk
- Water-related risk
- Disaster Risk Reduction
- Climate Change Adaptation

Grants

2020 - ONGOING

Strumenti governance e formazione per la strategia di adattamento ai cambiamenti climatici in un'ottica di sviluppo sostenibile - Tools governance and teaching for the climate change adaptation strategy for sustainable development

Ministero dell'Ambiente e della Tutela del Territorio e del Mare - IT
Participant

2022 - ONGOING

Valutazione dell'impatto del cambiamento climatico sulla gestione sostenibile della risorsa idrica e sul rischio di catastrofi idrometeorologiche / Evaluation of climate change impacts on sustainable water management at basin scale and water-related risks

Ministero dell'Università e della Ricerca - IT
Principal investigator

Individual research project PON 'Ricerca e Innovazione' 2014-2020. The main objective of this research is the assessment of the sustainability in the use and management of water resources at the basin scale for a series of selected case studies, including aspects of water quality and droughts and floods risk management.

Editorial activity

- Guest editor of the special issue 'Remote Sensing for Flood Monitoring and Risk Assessment' on *Water*, MDPI (2021)
- EGUsphere moderator, EGU, Copernicus Publications (January 2021 - ongoing)

Other professional activities

May 2022 – ongoing, Early Career Scientist Representative of the European Geoscience Union Natural Hazards division

March 2021 – ongoing, Active member of the European Geoscience Union Natural Hazards division Early Career Scientists group - organization of the outreach activities, including seminars and workshops.