



# Stefania Degli Abbati

Researcher

## EDUCATION AND TRAINING

July 2004

**Classical High School Diploma**

Liceo Classico Mazzini (Genoa)

February 2011

**Master's Degree in Building Engineering - Architecture**

University of Genoa

February 2016

**PhD in Structural and Geotechnical Engineering**

University of Genoa (XXVIII cycle)

## PROFESSIONAL HISTORY

August 2011 – December 2012

**Research Fellow**

Development of response spectra for the seismic verification of out-of-plane mechanisms in masonry elements placed at different building heights

DICCA – University of Genoa

January 2013 – January 2016

**PhD Scholarship in Structural and Geotechnical Engineering**

University of Genoa (XXVIII cycle)

February 2016 – December 2018

**Research Fellow**

Reliability of displacement-based procedures in the analysis of out-of-plane loaded masonry elements

DICCA – University of Genoa

April 2018 – December 2020

**Research Fellow**

Seismic analysis of complex masonry structures through nonlinear static analyses

DICCA – University of Genoa

**October 2022 – ongoing**

**Abilitazione Scientifica Nazionale (ASN) 2021/2023 for Associate Professor in 08/B3 – Structural Engineering (11/10/2022)**

## ACADEMIC APPOINTMENTS

Since 2022

**Member of the Curriculum Committee in Structural and Geotechnical Engineering, Mechanics and Materials** (SMG, Coordinator: Prof. Federica Tubino)

Doctoral School in Civil, Chemical and Environmental Engineering – DICCA  
<http://dottorato.dicca.unige.it/eng/info/staff/comitatostmatgeo.html>

Since 2022

**Member of the Internships/Work Placement and Career Orientation Service**

CCS Engineering for Natural Risk Management – DITEN

Since 2023

**Member of the Teaching Committee**

CCS Technologies for Construction and Territory – DICCA

Since 2023

**Member of the Commissione paritetica docenti-studenti di scuola**

CCS Engineering for Natural Risk Management – DITEN

## EXPERIENCE

### MAIN CONFERENCES AND SEMINARS

She presented 34 contributions at national and international conferences. The contributions are included in the proceedings.

16/05/2025 Seminar “Difettologie tipiche di servizio di ponti e viadotti in c.a. e c.a.p. ed esperienze di applicazione delle Linee Guida a tratte sperimentali” (in Italian).

Seminars of Civil and Environmental Engineering

Bachelor’s degree in Civil and Environmental Engineering, University of Genoa

### TECHNICAL SESSIONS AT INTERNATIONAL CONFERENCES

2024 Co-organizer of the Technical Session

“Floor response spectra for secondary and nonstructural elements in ordinary and monumental buildings” - with Profs. M. Di Domenico (University of Naples Federico II) and V. Vukobratovic (University of Novi Sad)

WCEE 2024 - 18th World Conference on Earthquake Engineering, Milan (Italy)

2025 Co-organizer of Mini-Symposium No. 33

“Open challenges in seismic risk assessment, modeling and strengthening of unreinforced masonry structures” - with Profs. O. Alshawa (University of Rome), G. Destro Bisol (McGill University, Canada), L. Giresini (Sapienza University of Rome), F. Taddei (University of Munich), C. Casapulla (University of Naples Federico II)

COMPdyn 2025 – 10th Int’l Conf. on Computational Methods in Structural Dynamics and Earthquake Engineering, Rhodes Island (Greece)

GUEST EDITOR OF SPECIAL ISSUE

**2025** Co-editor of the Special Issue  
“Seismic Assessment of Unreinforced Masonry Buildings”  
with Profs. O. Alshawa (University of Rome), G. Destro Bisol (McGill University)  
Journal: Buildings (MDPI)

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

**2021** Funded under the University of Genoa’s 2021 Scientific Equipment Call (Line B)  
(Reference professor: Prof. S. Cattari) for the acquisition of instruments for temporary  
structural and seismic monitoring, and dynamic characterization  
DICCA – University of Genoa

**2023 – ongoing** Principal Investigator of the Genoa Research Unit  
PRIN2022 (Progetti di Rilevante Interesse Nazionale) – Project: **NEWTON** <https://www.newton-prin.it/en/>

**2024 – ongoing** Member of the Genoa research unit  
Project MONNALISA (Monitoring of dynamic behaviour of structures for Life cycle assessment  
enhanced by Satellite – PI: Prof. M. Lepidi, University of Genoa).

RESPONSIBILITY FOR SCIENTIFIC RESEARCH

**2021–2024** Principal Investigator of a research contract between DICCA and the University  
Library of Genoa on damage analysis at the former Hotel Columbia and interpretation of  
monitoring data  
DICCA – University of Genoa

**Since January 2024** Principal Investigator of Program No. 33 (Call D.R. 3799 of 8.8.2023):  
“Evaluation of seismic input at height for verification of non-structural elements in masonry  
buildings”  
Funded under the PRIN2022 project  
DICCA – University of Genoa

**2023 – ongoing** Co-supervisor of two PhD theses  
DICCA – University of Genoa

TEACHING AT UNIVERSITIES AND RESEARCH INSTITUTES

**2021 – ongoing** Lecturer of the module “Seismic risk assessment and mitigation of the built  
environment” dell’insegnamento “Advanced Risk Assessment” (20 hours)  
M.Sc. in Engineering for Natural Risk Management  
University of Genoa

**2022 – ongoing** Lecturer of the module “Elementi edilizi e sistemi costruttivi”  
dell’insegnamento “Elementi di edilizia e cantieristica” (24 hours – in Italian)  
CdL in Tecnologie per l’edilizia e il territorio  
University of Genoa

**2023 – ongoing** Lecturer of the module M7 – Difettologia, forme di degrado e tecniche di controllo e ripristino (3 hours – in Italian)

Master in Gestione della sicurezza delle reti e dei sistemi di trasporti – II e III edizione  
University of Genova

**2024 – ongoing** Tutor Lecturer for the Advanced Training Course in Project Management of Large Sustainable Infrastructures

UniWeLab (joint research laboratory between Webuild and UniGe)  
University of Genova and Webuild

**2015/2016 – 2020/2021** Support and integrative teaching activities in the official course “Laboratorio di Tecnica delle Costruzioni” (15 hours)

CdLS in Ingegneria Edile-Architettura  
University of Genova

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

**Since 2021** Review Editor in the Editorial Board of  
Frontiers in Built Environment – Earthquake Engineering section  
<https://www.frontiersin.org/journals/built-environment/editors>

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

**2016** PhD thesis awarded with Certificate of Merit by the PhD Committee  
University of Genova, Structural and Geotechnical Engineering

**2017** PhD thesis selected for the event “University Day: 5 for 5 – Five of the Best PhD Theses of 2017”

Genoa Science Festival – Oral presentation on 04/11/2017

**OTHER EXPERIENCES**

**2009 and 2012** Participation in post-earthquake damage surveys for ordinary and monumental buildings L’Aquila (2009) and Emilia (2012) earthquakes  
ReLUIS – Italian Network of Earthquake Engineering Labs

**2016 and 2017** Participation in ReLUIS–MiBACT technical teams for post-earthquake damage assessment and usability evaluation after the Central Italy earthquake 2016/2017

**2011–2012** Involved in the analysis and restoration project of two rooms in the Uffizi Gallery of Florence (Sala di Niobe and Room D95) under Prof. S. Lagomarsino  
DICCA – University of Genova

**2012 – ongoing** Experimental research: diagonal compression tests (in the ambit of the PERPETUATE project), “Pull and Release” tests, non-destructive in-situ diagnostics in the monumental building of the Certosa di San Martino in Naples (in the ambit of the ARCUS – MiBACT - Valutazione della sicurezza sismica dei Musei Statali), and tests for the mechanical characterization of brick masonry (in the ambit of the NEWTON project)  
DICCA – University of Genova

**2012 – ongoing** Member of the Genoa research unit (led by Profs. S. Lagomarsino and S. Cattari) in national (ReLUIS – DPC) and international projects (PERPETUATE – FP7)

**2012 – ongoing** Seismic assessment of heritage buildings: Badia Morronese in Sulmona (Abruzzo Project 2012), Palazzo del Podestà in Mantua (research agreement 2013), Rocca Estense in San Felice sul Panaro (research agreement 2016), Bell tower and Cathedral of San Lorenzo in Genoa (research agreement in 2023, 2024, and 2025  
DICCA – University of Genoa

**2012 – ongoing** Reviewer for several international journals (Journal of Building Engineering, Engineering Structures, Buildings, Sustainability)

**2022** External reviewer for the PhD thesis “Fortified architectures in Emilia affected by the 2012 earthquake. From failure mechanisms to vulnerability prevention tools.” Candidate: Elena Zanazzi – Supervisor: Prof. E. Coisson – Co-supervisors: Prof. D. Ferretti, Arch. A. Libro., PhD course in Civil Engineering and Architecture, University of Parma (XXXIV cycle)  
DICCA – University of Genoa