



Luisa Pagnini

Associate professor

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Education and training

1996

PhD in Seismic Engineering

The seismic response of bridges with aseismic devices
supervisor: prof. Giulio Ballio and prof. Giovanni Solari
Polytechnic of Milan

1992

Master degree in Civil Engineering

Forecasting models of period and damping of buildings
supervisor: prof. Giovanni Solari
University of Genova

Academic experience

2020 - ONGOING

Associate professor of Structural Engineering

University of Genova

1999 - 2019

Assistant professor of Structural Engineering

University of Genova

Research

Member of the "Giovanni Solari Wind Engineering and Structural Dynamics Research Group (GS-WinDyn)" of the University of Genoa, dealing with the topics of structural dynamics and wind engineering, she currently works on structural monitoring and dynamic identification of structures, response to vortex shedding, wind tunnel tests, wind turbines, renewable energy communities.

On-going research projects

from 2023: CROSSwind stability of road vehicles under thunderSTORMs (CROSS-STORM) PRIN MIUR

from 2022: "Engineering Research Infrastructures for European Synergies", Horizon Europe Research and Innovation Program (2022-2026)

from 2022: PE3 RETURN (2022-2025): "multi-Risk sciEnce for resilienT commUnities undeR a changiNg climate", Union Next-Generation EU (Piano Nazionale di Ripresa e Resilienza PNRR, Mission 4, Component 2, Investment 1.3 – D.D. 1243 2/8/2022, PE0000005) - Task L 3.1 "Complex and emerging risks for urban and metropolitan areas" in Spoke 5 TS1 – Urban and metropolitan settlements

from 2021: agreement between the Superior Council of Public Works and the ReLUIS Consortium, Funding Body Italian Superior Council of the Public Works – application of the guidelines for the classification and management of risk, safety assessment and monitoring of existing bridges. Responsible for the development of 5G wireless accelerometer nodes

Assignments abroad

Research Grant at the Wind Engineering Research Center, Tokyo Polytechnic University, "Aeroelastic effects on idealized super-slender tall buildings characterized by square sections" (2025)

Research Grant at the Wind Engineering Research Center, Tokyo Polytechnic University, "Wind tunnel investigation of turbulence effects on a small size Darrieus wind turbine and comparisons with in-field measures" (2020)

Visiting scholar at the Department of Architectural Engineering del Tokyo Institute of Polytechnics, Atsugi, Japan (1999 -2000) Fellowship Japan Society of Promotion of Science (JSPS)

UNIGE institutional coordination and management roles

Procedure Manager (RUP) of the project "multi-purpose sports field at the Savona Campus" (2020)

Auditor for the following design projects of the Genova University:

1. 'Roofing of the multipurpose sport field in the Savona campus' (2016-2019);
2. "Reorganization of vehicular and pedestrian viability, of parking areas and green areas, following the completion of new building for Sustainable Energy in the Savona campus" (2017).