

CURRICULUM VITAE



PERSONAL INFORMATION

Name

BASSOLI ELISA

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WORK EXPERIENCE

Elisa Bassoli is a fixed-term researcher pursuant to article 24, paragraph 3, letter b) of Italian Law 240/2010 in the Scientific Disciplinary Sector “CEAR-07/A Structural Analysis and Design” at the Department of Engineering “Enzo Ferrari” of the University of Modena and Reggio Emilia. She teaches the courses “Structural Analysis and Design” and “Structural Design for Environmental Engineering” for the Bachelor’s Degree in Civil and Environmental Engineering. In 2023, she obtained the National Scientific Qualification (ASN) as an Associate Professor in the Competition Sector “08/CEAR-07 Structural Analysis and Design”. Elisa Bassoli is registered with the Order of Engineers of the Province of Reggio Emilia under number 2113, in the Civil and Environmental Section. Her research focuses mainly on structural monitoring, dynamic identification, finite element model calibration based on experimental results, and the study of pedestrian-induced vibrations on footbridges.

• Date	09/2023 – To date
• Position	Fixed-term researcher pursuant to article 24, paragraph 3, letter b) of Italian Law 240/2010
• Institute	University of Modena and Reggio Emilia, DIEF – Department of Engineering “Enzo Ferrari”
• Scientific Disciplinary Sector	08/CEAR-07 – Structural Analysis and Design
• Date	08/2022 – 07/2023
• Position	Postdoctoral research fellowship “Satellite data for structural monitoring and ground deformation mapping in the area of Modena (Italy)”
• Scientific tutor	Prof. Francesco Mancini
• Institute	University of Modena and Reggio Emilia, DIEF – Department of Engineering “Enzo Ferrari”
• Date	06/2021 – 07/2022
• Position	Postdoctoral research fellowship “Support activities for seismic vulnerability screening”
• Scientific tutor	Prof. Loris Vincenzi
• Institute	University of Modena and Reggio Emilia, DIEF – Department of Engineering “Enzo Ferrari”
• Date	09/2020 – 06/2021
• Position	Postdoctoral research fellowship “A dynamic monitoring system for structural behavior characterization and damage identification of reinforced masonry structures in seismic areas”
• Scientific tutor	Prof. Loris Vincenzi
• Institute	University of Modena and Reggio Emilia, CRICT - Inter-departmental research and innovation centre on construction and environmental services

• Date	11/2018 – 01/2020
• Position	Postdoctoral research fellowship “Dissipative connections between precast reinforce-concrete walls: experimental tests and model calibration”
• Scientific tutor	Prof. Loris Vincenzi
• Institute	University of Modena and Reggio Emilia, En&Tech Centre
• Date	05/2016 – 10/2018
• Position	Postdoctoral research fellowship “Human-induced vibrations of footbridges”
• Scientific tutor	Prof. Loris Vincenzi
• Institute	University of Modena and Reggio Emilia, DIEF – Department of Engineering “Enzo Ferrari”
• Date	June 2021 – To date
• Position	Expert member of the evaluation commission for the State Exam to qualify as an engineer for the civil and environmental sector
• Institute	University of Modena and Reggio Emilia, DIEF – Department of Engineering “Enzo Ferrari”
• Date	a.y. 2017/18 – a.y. 2022/2023
• Position	Lecturer in the following academic courses: Seismic Engineering in the Master’s degree of Civil and Environmental Engineering and Structural Analysis and Design in the Bachelor’s degree of Civil and Environmental Engineering
• Institute	University of Modena and Reggio Emilia, DIEF – Department of Engineering “Enzo Ferrari”
EDUCATION AND TRAINING	
• Date	19/12/2023
• Qualification	National Scientific Qualification (ANS) as an Associate Professor
• Competition Sector	08/B3 Structural Engineering and Design (08/CEAR-07 Structural Analysis and Design as by D.M. 639/2024)
• Institute	Italian Ministry of University and Research
• Data	21/3/2016
• Qualification	PhD in “High-mechanics and automotive design & technology”
• PhD thesis	Analysis of human-induced vibrations of footbridges based on experimental tests and numerical simulations
• Scientific tutor	Prof. Loris Vincenzi
• Istituto	University of Modena and Reggio Emilia, DIEF – Department of Engineering “Enzo Ferrari”
• Date	08/2015 – 12/2015
• Position	Visiting researcher at KU Leuven, Belgio
• Research activity	Human-structure interaction, crowd-induced vibrations
• Tutor scientifici	Prof. dr. ir. Guido De Roeck, Prof. dr. ir. Peter Van den Broeck, dr. ing. Katrien Van Nimmen
• Institute	Structural Mechanics and Building Materials Section - Department of Civil Engineering, Technology Cluster Construction, Technology Campus Ghent, KU Leuven, Belgio
• Date	12/2012
• Qualification	Qualification to practice the profession of Civil and Environmental Engineer section A. Registration in the Order of Engineers of the Province of Reggio Emilia, n. 2113
Data	08/11/2012
• Qualification	Master’s degree in Civil Engineering
• Final grade	110/110 cum laude
• Master thesis	Structural monitoring of the Manhattan Bridge and frequency domain dynamic identification
• Supervisor	Prof. Loris Vincenzi

• Institute University of Modena and Reggio Emilia, DIEF – Department of Engineering “Enzo Ferrari”

• **Data** **10/11/2010**

• Qualification **Bachelor’s degree in Civil Engineering**

• Final grade 110/110 cum laude

• Bachelor thesis Structural analysis of a building redevelopment project and general considerations of modal optimization for non-rigid floors

• Supervisor Prof. Andrea Nobili

• Institute University of Modena and Reggio Emilia, DIEF – Department of Engineering “Enzo Ferrari”

AWARDS

• Date 04/07/2013

Best master’s thesis award

• By Leonardo Committee Italian excellence in the world

• Date 13/01/2014

Certificate of merit for excellence in the international and national research

• By Università degli Studi di Modena e Reggio Emilia

June 2024

Elisa Bassoli