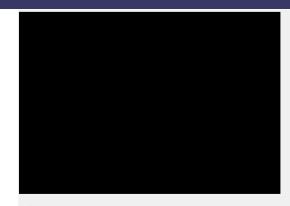
# Elisa Marchelli

Msc. in Civil Engineering, Università degli Studi di Genova



### Tools

PYTHON

SAP 2000

BASIC ANSYS MECHANICAL APDL

MATLAB

Autocad

Revit

RAFT (python toolbox)

STABIL (MATLAB TOOLBOX)

## LANGUAGES

Italian English Spanish

B2

A2

mother tongue

EDUCATION SUMMARY

2025

**PhD Visiting Student** 

STRATHCLYDE UNIVERSITY
Glasgow, United Kingdom 🏛

2023

Erasmus + traineeship

KU Leuven University Leuven, Belgium **m** 

2022

Workshop "Port Engineering and

Maritime Works"

ESITC CAEN UNIVERSITY Caen, France

2020-23

Master in Civil Engineering- Struc-

tures

Università degli Studi di Genova

Genoa, Italy 🟛

Grade: 110/110 summa cum laude

2017-20

**BSc in Sciences of Architecture** 

Università degli Studi di Genova

Genoa, Italy 🏛

Final grade: 110/110 summa cum laude

# NOTES ABOUT MYSELF

Driving licence B

### EXPERIENCE

2025 | PhD Visiting Student

UNIVERSITY OF STRATHCLYDE · Glasgow, United Kingdom 🟛

2024 Invited speaker at the Aventa Conference: "Floating Wind: Shaping Our Future Blue"

CASTELLO D'ALBERTIS · Genoa, Italy ♥

2023- PhD Candidate

Università degli Studi di Genova · Genoa, Italy 🏦

### **EDUCATION**

2023 | Erasmus+ traineeship

KU LEUVEN UNIVERSITY Leuven, Belgium 🏛

Joined the European Union student exchange programme. During the exchange:

A laboratory experiment with a scale high-rise model was conducted to replicate in-situ interactions and generate modal property data for different structural configurations. Model updating was performed using the Stabil toolbox in MATLAB to detect discrepancies in modal characteristics between the numerical and experimental models.

2022 Workshop "Port Engineering and Maritime Works"

ESITC CAEN UNIVERSITY · Caen, France in

2020-23 | Master in Civil Engineering- Structures

Università degli Studi di Genova · Genoa, Italy 🏛

Final grade: 110/110 summa cum laude Thesis Title: "Reducing the uncertainty in dynamic models of high-rise buildings by

means of parameter identification.\*

• The MSc thesis was conducted in collaboration with KU Leuven University.

2017-20 Bachelor in Sciences of Architecture

Bachelor in Sciences of Architecture
Università Degli Studi di Genova · Genoa. Italv

Final grade: 110/110 summa cum laude

## SCIENTIFIC ARTICLES

- 1 Bronkhorst A.J, Marchelli E, Moretti D, Maes K, Lombaert G. "Identification of the modal and strucural properties of a high-rise model". International Conference on Noise and Vibration Engineering in Leuven, Belgium. 2024 - Published
- 2 Marchelli E, De Leo F, Besio G, Rizzo C.M. "Environmental Contour Assessment for Floating Offshore Wind Turbines Installation in the Mediterranean Sea". International Congress of the International Maritime Association of the Mediterranean. 2025 - Accepted
- 3 Marchelli E, De Leo F, Besio G, Rizzo C.M. "Design loads assessment for FOWT in the Mediterranean Sea: a comparative analysis between alternative approaches". 2025 Under Review in Ocean Engineering Journal