

Elisa Marchelli

Msc. in Civil Engineering, Università degli Studi di Genova

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 
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 UNIVERSITÀ DEGLI STUDI DI GENOVA · Genoa, Italy  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 structural 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

TOOLS

PYTHON	SAP 2000	
BASIC ANSYS MECHANICAL APDL		
MATLAB	Autocad	Revit
RAFT (python toolbox)		
STABIL (MATLAB TOOLBOX)		

LANGUAGES

Italian		mother tongue
English	B2	
Spanish	A2	

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NOTES ABOUT MYSELF

Driving licence B
