

Luca Maloberti

PhD Student - Marine Science and Technology

Marine Engineering and Naval Architecture

About Me The sea has always fascinated me in all its forms, as well as science. In my studies, I found the perfect union between these two great passions. I love everything that expresses innovation, which is why I always look to the future. I am fascinated by the link between sustainability and innovation.

Luca Maloberti

Awards

2023, Sea Future Award - 2nd place

Address

Licence

2021, Professional practice examination for engineer

Experience

Nov 2021 - present, *PhD Student, University of Genoa*

- PhD Title: "Towards sustainable design of zero-emission ships"
- Funding: *Ente Parco nazionale delle Cinque Terre, Promostudi di La Spezia, Camera di commercio Riviera di Liguria, RINA Services S.p.A.*
- Supervisor: Raphael Zaccone, PhD

Sep 2021 - Nov 2021, *Internship, Fincantieri S.p.A.*

Physical and Functional integration of Combat System

Apr 2017 - May 2017, *Curricular Internship, Bureau Veritas Italia S.p.A.*

Employee at Surveyor's side during on-board inspections

Gen 2019 - Mar 2021, *Collaborator, University of Genoa*

- Tutor of the main basic subjects
- Erasmus Office
- Intership Office
- Reception at Student Desk

Education

2018 - 2021, *University of Genoa*

MSc in Marine Engineering and Naval Architecture

- Thesis: "Preliminary design of an inland navigation ferry: a Zero Emission Solution"
- In collaboration with *Gesione Governativa Navigazione Laghi Maggiore di Garda e di Como*.
- Pros and Cons analysis of the full electric propulsion, assessing its environmental and economic value, starting from circumscribed contexts such as the route of the ship being studied.

2014 - 2018, *University of Genoa*

BSc in Marine Engineering and Naval Architecture

- Thesis: "Basic Design of a Product Carrier"
- The project consists in modifying dimensions and design speed of an existing ship and to go to redesign all the fundamental aspects

Publications

- Maloberti, L., Zaccone, R., Gualeni, P., & Mazzucchelli, P. (2022). *A Zero-Emission Ferry for Inland Waterways*. In: *Technology and Science for the Ships of the Future - Proceedings of the 20th International Conference on Ship & Maritime Research NAV 2022*. (pp. 162-169). IOS Press.

Software Skills

Programming

- MATLAB
- Simulink
- \LaTeX
- CFD Software
- FEM Software
- Office
- Phyton
- C++

Languages

Address

Language	Reading	Listening	Writing
English	C1	C1	B2
French	B1	B1	B1