

Paola Gualeni

Full Professor

EDUCATION AND TRAINING

MSc in Naval Architecture and Marine Engineering

University of Genova

PROFESSIONAL HISTORY

[At present](#)

Full professor

SSD ING-IND/01 Naval Architecture

University of Genova

Associate Professor

SSD ING-IND/01 Naval Architecture

University of Genova

Researcher

SSD ING-IND/01 Naval Architecture

University of Genova

ACADEMIC APPOINTMENTS

[At present](#)

vice - Dean

Polytechnic School

University of Genova

[At present](#)

Coordinator of Degree Courses

Bachelor's Degree (BSc) in Naval Architecture and Marine Engineering and

Master's Degree (MSc) in Naval Architecture and Marine Engineering

University of Genova

[At present](#)

Member of the Evaluation Expert Groups for the Quality of Research VQR 2020-2024

Area 09

Industrial and Information Engineering (GEV09)

[2018 - 2021](#)

Member of the DITEN Department Council

2018 - 2021

Member of the **Polytechnic School Board**

2015 - 2017

President of **Joint Committee for Teaching and Student Rights** for the Polytechnic School

2013 - 2015

Member of **Joint Committee for Teaching and Student Rights** for the Polytechnic School

2013-2019

Representative of the Polytechnic School within the **Scuola di Lingua e Cultura Italiana** of the University of Genoa

2011-2017

Member of **DITEN Guidance Commission**

2010-2013

Representative of DITEN in the **Internationalization Commission of the Polytechnic School**

OTHER APPOINTMENTS

From 2024

Member of the **Ethics Advisory Board** for the EDF Project- (European Defense Fund) Call: EDF-2021-NAVAL-D Proposal: EPC

2019-2022

President of the **Technical and Scientific - Committe of Distretto Ligure delle Tecnologie Marine**

From 2014

Member of the **Technical and Scientific - Committe of Distretto Ligure delle Tecnologie Marine**

From 2014

Member of the **Scientific Board - Cluster Tecnologico Nazionale "Cluster Nazionale Trasporti"**

2008-2011; 2011-2014; 2014-2017

Member (southern Europe representative) of the **Stability in Waves Committee - International Towing Tank Conference**

2016-2017

Chairman of the **Stability in Waves Committee - International Towing Tank Conference**

2002 - 2008

Member of the Intersessional **Correspondence Group on Ship Damage Stability** at IMO (International Maritime Organization)

2018 - 2021

Member of the Intersessional **Correspondence group on Intact Stability Criteria** at IMO (International Maritime Organization)

2017 - 2019

Member of the Expert Group on Skills and Career Development in the Blue Economy
(European Commission, DG-mare)

From 2019

Membership of the **American Bureau of Shipping** (ABS) nominated by the ABS Board of Directors

2006 -2011; 2013-2018

Member del Council della Royal Institution of Naval Architects (UK)

MAIN RESEARCH INTERESTS

The scientific activity is developed on various topics, with mutual connections and all falling within the field of naval architecture; they can be summarized as follows:

- Numerical methods for predicting **ship behavior in a seaway**
- **Ship safety** (intact and damaged stability)
- Integration onboard of **solutions for decarbonization**
- **Innovative ship design** methodologies

This activity has resulted in the publication of over one hundred internationally recognized scientific articles in journals and conference proceedings.

Research has been carried out over the years through the scientific coordination of several research projects funded by industry, the Liguria Region, and the Italian Ministries of Education (MIUR), Economic Development (MISE) and Defense.

More than ten temporary research assistants (research fellows) have collaborated on these projects, funded through the projects themselves.

MAIN TEACHING ACTIVITIES

Only the courses run at present are listed:

Ship Hydrostatics and Stability (6 CFU) at MSc Course in Naval Architecture and Marine Engineering

Merchant Ship Design (6 CFU) at MSc Course in Naval Architecture and Marine Engineering

Supervisor of more than one hundred master's degree theses in naval architecture and marine engineering, as well as dozens of bachelor's degree theses in the same field.

2012-2015

Member of the management committee and scientific committee for the second-level master's degree program "**System Engineering for Maritime Technologies – FORTEMARE**".

2013 - 2024

Coordinator of the **BLUE GROWTH lecture module** within Scuola Superiore dell'Università di Genova – IANUA, master's degree batch.

PhD student's supervisor:

XIX cycle title: "Investigation for Particle Numerical Methods Application to the Hydrodynamic of the Damaged Ship"

XXII cycle title: "Dynamics of High-Speed Craft"

XXX cycle title: "Probabilistic Approaches for Power Generation Systems Design and Management On-Board Ships (co-tutor)"

XXXI cycle title: "Second Generation Intact Stability Criteria"

XXXIII cycle title: "Human Factor Integration in Maritime Systems Safety: from Design to Operations"

XXXVI cycle title: "Systems Engineering Method and Tools for Capability-Based Approach in Ships Design"