

PERSONAL INFORMATION

Andrea Iuliano

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POSITION

Head of Ship Safety, Vibration and Noise Department

WORK EXPERIENCE

January 2018 – Present

Head of Ship Safety, Vibration and Noise Department

Fincantieri S.p.A. – Trieste (Italy)

- Responsible of Ship Safety, Vibration and Noise Department of the Merchant Ship Business Unit.
- Development of noise and vibration calculations, insulation plans and technical specifications.
- Development of fire protection, safety, evacuation and signage technical documentation.
- Support to the shipyards for the Port State Control inspections, noise and vibration measurements and quality controls.
- Alternative Designs and risk assessments, research projects.

Business or sector Shipbuilding

August 2017 – December 2018

Head of Ship Safety Department

Fincantieri S.p.A. – Trieste (Italy)

- Responsible of Ship Safety Department of the Merchant Ship Business Unit.
- Development of fire protection, safety, evacuation and signage technical documentation.
- Support to the shipyards for the Port State Control inspections
- Alternative Designs and risk assessments, research projects.

Business or sector Shipbuilding

December 2010–December 2018

Engineering Specialist, vibration and acoustics, calculation

Fincantieri S.p.A. – Trieste (Italy)

- Responsible for Vibration calculation, analysis and design of all projects, in the Merchant Ship Business unit of the Company.
- Basic structural dynamic design, and interface with other Specialists and Designers for the study of technical feasibility, with reference to Customer and Classification Societies requirements.
- Development and preparation of Project Technical Specification and Noise and Vibration Specs.
- Suppliers' evaluation, quality control and factory acceptance tests of main machinery and plants.
- Research & development activities, cost reduction and special projects in Vibration and Noise dept.

June 2003 – July 2017

Project Engineer, vibration and acoustics

Fincantieri S.p.A. – Trieste (Italy)

- Responsible for the Noise and Vibration design of ship building projects through technical feasibility, pre-contract, design construction phases to commissioning and handover.
- Basic structural and noise reduction design, Technical Specification preparation and cost estimation in the pre-contract stage.
- Document schedule preparation, planning and resource management, plan approval management, project status reports, bid preparation and evaluation.
- Control and review of the project documents and plans, in order to ensure the achievement of targets with respect to quality, time and costs.
- Quality control on-site, commissioning and testing of noise and vibration performance for the delivery of the project.

November 2001 – May 2003

**Structural Analyst**

Fincantieri S.p.A. – Trieste (Italy)

- FE dynamic and static analysis of global and local structures with Nastran/Patran.
- Measurements of linear vibration, structure-borne noise, airborne noise and correlation.

April 2001 – October 2001

**Mechanical Designer**

Danieli – Buttrio (UD, Italy)

- Complete mechanical calculation and design of parts and components for flat rolling processing lines

**Business or sector** Steel manufacturing**EDUCATION AND TRAINING**

1995-2001

**Master of Science (M.Sc.), Mechanical Engineering ,  
110/110 cum laude**

EQF level : 7

Università degli Studi di Trieste

- Thesis subject: numerical and experimental dynamic analysis of automotive equipment

**PERSONAL SKILLS****Mother tongue(s)**

Italian

**Other language(s)**

English

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B2	C1	B2	B2	C1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user  
Common European Framework of Reference for Languages

**Communication skills**

- confident professional speaking abilities
- clarity and concision in teamwork
- good listener and able of constructive feedback
- open mind and empathy gained in the multicultural context of company environment

**Organisational / managerial skills**

- management of technical teams of 20-30 people
- planning and follow-up of complex projects within Technical Department
- enjoy working as a team member as well as independently
- problem solving during commissioning and delivery of projects, working closely with production departments, very often in a strict time schedule
- organisation of seminars on noise and vibration, and training of new engineers

**Job-related skills**

- management of Ship Safety, Vibration and Noise Department in shipbuilding industry
- more than 20 years of working experience in Vibration and Noise design and management

**Computer skills**

- proficient in Microsoft Office packages and SAP
- advanced Nastran/Patran user
- experience with Microstation, AutoCAD, ANSYS and common Engineering Software

**Driving licence**

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**ADDITIONAL INFORMATION**

## Curriculum Vitae

- Publications**
- *Silverseas is a class apart.* The Naval Architect, May 2010.
- Conferences**
- *Vibro-acoustic simulations for prediction of Underwater Radiated Noise from onboard machinery.* 21st International Conference on Ships and Maritime Research (NAV 2025). Messina, June 2025.
  - *Suspended Casing: A novel installation solution of the Engine Casing Equipment for mitigation of structure-borne noise onboard.* 21st International Conference on Ships and Maritime Research (NAV 2025). Messina, June 2025.
  - *Development of a DDGG mechanical synchronization system in order to minimize the forces transmitted to the hull.* International Congress on Sound and Vibration (ICSV24). London, July 2017.
  - *Comparative dynamic analysis of a typical aluminium and steel superstructure for cruise ships.* International Conference on Marine Research and Transportation (ICMRT '05), Ischia, September 2005.
  - *An approach to a new structural arrangement for ro-ro pax ferries: comfort and dynamic behaviour.* International Conference on Ship and Shipping Research (NAV2003). Palermo, June 2003.
- Seminars**
- *Seminar on ship vibration calculations.* UNITS, December 2023 and December 2024.
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