

## PERSONAL INFORMATION

## Andrea Ivaldi



born in Genova (Italy) on June the 16<sup>th</sup>, 1970  
married, two children

Head of Technical Dept.  
FINCANTIERI S.p.A.  
Megayacht Business Unit  
Viale San Bartolomeo, 446  
19126 La Spezia - Italy

## WORK EXPERIENCES

August 2016 - today

**Head of Technical Department**

**FINCANTIERI S.p.A. – Megayacht business unit – Stabilimento di Muggiano (SP) Italy**

Responsible of the technical department of Fincantieri Yachts; in charge for whole design of the ship, from basic design to detailed engineering and workshop drawings .

**Business or sector** Shipbuilding

May 2013 – August 2016

**Head of machinery and piping department**

**FINCANTIERI S.p.A. – Megayacht business unit – Stabilimento di Muggiano (SP) Italy**

Responsible for the calculation, design and class approval of all the ship's technical systems, selection of the relevant equipments, editing of purchase specifications, up to the final installation and commissioning stage. Design of propulsion plant with all relevant components (from main propulsion engines to propellers), electric generation, stabilizers, thrusters. Design and installation of HVAC system (Heating, Ventilation and Air Conditioning).

**Business or sector** Shipbuilding

October 2006 - August 2016

**Head of hull structure department**

**FINCANTIERI S.p.A. – Megayacht business unit – Stabilimento di Muggiano (SP) Italy**

Responsible for the calculation, design, class approval and final workshop drawings of the hull structure.

Whole design stage of the hull and superstructure, made of both steel and aluminium alloy, from the editing of the ship specification, through the design and class approval up to the final editing of the workshop drawing and preparing for the cut. This includes also welding and fabrication technologies.

Responsible for the comfort design of the ship, in terms of Noise and Vibration, of the design of the Thermo-Acoustic and Fire insulation of the ship and of the editing of the relevant Purchase Technical Specifications.

Managing of the paint and filler system (internal & external), from the purchase stage to the final quality acceptance on board and delivery.

**Business or sector** Shipbuilding

November 2001 – October 2006

**Ship acoustic consultant**

**Müller-BBM GmbH - Schalltechnischesberatungsbüro - München (Germany)**

Consultant in Noise & Vibration during the whole design, construction and service after delivery of the ship.

Holding courses in Noise and Vibration design for engineers and technicians.

**Business or sector** Shipbuilding, industrial services

July 1998 – September 2001

**Project engineer****FINCANTIERI S.p.A. – Naval vessels business unit – Genova, Italy**

FEM calculation and detailed design of the most recent ships for the Italian Navy. Active in the work group for the design of the new aircraft carrier for the Italian Navy, as coordinator of the structural design activities.

**Business or sector** Replace with type of business or sector

April 1997– June 1998

***Lieutenant (Corps of Naval Engineers) - Detached to the Ship Design Department*****Italian Navy - IV Department SPM - Rome (Italy)**

Ministry of Defence (Rome), in the Ship design department, dealing with the developing phase of the design of the newest vessels for the Navy.

**Business or sector** Defence

**EDUCATION AND TRAINING**

1997

***Master Degree in Civil Engineering***

University of Studies of Genova (Italy) - Faculty of engineering

**PERSONAL SKILLS**

Mother tongue(s)

Italian

Other language(s)

Fluent in English and German

**ADDITIONAL INFORMATION****Publications**

- SCAVIA, CAPASSO,IVALDI – *Carattere autoaffine di profili di giunti in roccia* – IV Convegno Nazionale dei Ricercatori Universitari – Perugia, Ottobre 1997
- ALBERTONI, BARBATO,IVALDI – *Hull-Superstructure interaction: a naval case-study* – IMAM 2000 – Ischia, April 2000
- FERRARIS, GRILLO, VOLPONE,IVALDI, GAMBARO, NICCHIA – *Fatigue assessment and optimization of a naval ship expansion joint* – PRADS 2001 – Shanghai, 2001
- ANDREAIVALDI, – *Growing length in the megayacht industry and structure-related design topics* - Ship and Offshore structure (2014): DOI 10.1080/17445302.2013.870775
- ANDREAIVALDI, – *GOODBYE TO ROCK’N’ROLL? - Utilising advanced hull technology and low emission propulsion, Fincantieri Yachts’ latest concept claims to offer a smoother ride on board* - SUPERYACHT REPORT Issue n. 159 of (December 2014)
- GAIOTTI, RIZZO, NEBBIA, CALEO,IVALDI, – *Mechanical behaviour of fillers: test and comparisons* – Rina conference on Design & Construction of Super & Mega Yachts, 13-14 May 2015, Genoa, Italy).

**Memberships**

- ISSC (International Ship and Offshore Structures Committee) - Committee II.2 – Dynamic response
- Lloyd’s Register Italian Technical Committee

**Presentations**

- Superyacht design week (London, June 2015) – SWATH megayacht platform with fuel cells propulsion

**Lectures**

Since three years I held a summer course as invited professor at the University of Palermo in “Ship structures” and “Vibrations in ships” at the faculty of mechanical engineering.

## Projects

- “Cavour” – Aircraft carrier for Italian navy (Fincantieri)
- Class “Comandanti” - Patrol vessels for the Italian navy (Fincantieri)
- MDV3000 Class fast ferries for Tirrenia di navigazione (Fincantieri)
- “EOS”, Sailing yacht 82 m (Lürssen Werft)
- “Maria Sybilla Merian” Research Vessel (Kröger Werft)
- Submarines class U212 for German and Italian Navies (Consortium ARGE 212 between HDW and TNSW, partner Fincantieri in Italy)
- Submarines class U214 for the Greek Navy (HDW and TNSW)
- Minehunters class MHV54 for the Turkish Navy (Consortium between Abeking & Rasmussen and Lürssen Werft)
- “Serene” – 134 m Motoryacht (Fincantieri)
- “Ocean Victory” – 140 m Motoryacht (Fincantieri)