

Europass Curriculum Vitae



Personal information

Vittorio Bucci

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 Nationality Italian
 Date of birth 29/10/1979
 ORCID <http://orcid.org/0000-0001-5929-8655>
 SCOPUS <https://www.scopus.com/authid/detail.uri?authorId=56278096300>
 ResearcherID <http://www.researcherid.com/rid/L-5509-2016>

Work experience

Dates From 01/09/2011 to 28/02/2018
 Occupation or position held Assistant Professor of Ship Structures and Marine Engineering (SSD ING-IND/02)
 Name and address of employer University of Trieste
 Institutional assignments
 - Scientific coordinator of the upskilling course "Tecniche dell'allestimento per la cantieristica e la nautica da diporto", funded by the UE, and organized by AREA SCIENCE PARK of Trieste, 2011.
 - Scientific coordinator of the upskilling course "Allestimento navale e nautico: salvaguardare l'ecosistema marino con impianti efficienti e materiali innovativi", funded by the UE, and organized by AREA SCIENCE PARK of Trieste, 2012
 - Director of the "Integrated Ship Design Laboratory - ISDLab" of the Department of Engineering and Architecture, from 2017 to today.
 - Scientific Coordinator of the II level Master in Advanced Skills in Safety, Environment and Security at Sea - ASSESS, from 2017 to today
 Teaching assignments
 - Scientific coordinator and teacher of the upskilling course "Tecniche dell'allestimento per la cantieristica e la nautica da diporto", funded by the UE, and organized by AREA SCIENCE PARK of Trieste, 2011.
 - Scientific coordinator and teacher of the upskilling course "Allestimento navale e nautico: salvaguardare l'ecosistema marino con impianti efficienti e materiali innovativi", funded by the UE, and organized by AREA SCIENCE PARK of Trieste, 2012
 - Teacher of the upskilling course "PROGETTAZIONE DI CARENE CON APPLICAZIONI DI METODOLOGIE INNOVATIVE", funded by the UE, and organized by University of Messina, 2015
 - Yacht Design (6 CFU) in the Master's Degree Course in Naval Architecture and Marine Engineering, from 2017 to today
 - Ship propulsion systems design (9 CFU) in the Master's Degree Course in Naval Architecture and Marine Engineering, from 2017 to today
 - Safety Basics (4 CFU) in the ASSESS Master, from 2018 to today
 - LSA and Ship Evacuation (6 CFU) in the ASSESS Master, from 2018 to today

Research programs	<ul style="list-style-type: none"> - Joined as member D4 2000-2006 project, "Progetto di un expedition yacht" - Joined as member POR FESR 2007-2013, "Recupero conservativo della Motonave Ambriabella" - Joined as member LAVFOR 2009, "Progettazione navale integrata" - Joined as member Cergol Engineering Consultancy S.r.l., "Integrated ship design – Escort capability evaluation of tugs" - Joined as member Meccano Engineering S.r.l., "Integrated ship design – Basic design of new generation mine hunter ship in advanced composite material" - Joined as member FRA 2014, "Advanced evacuation analysis of cruise ships" - Joined as member Cantiere Vizianello, "Integrated ship design – Innovative technologies for an eco-friendly navigation in the Venice Lagoon" - Joined as member Aqua Engineering S.r.l., "Integrated ship design – Basic design of a submarine unit intended as CNG carrier" - Joined as coordinator TRIM - Tecnologia ricerca industriale per la mobilità marina, "Soluzioni innovative per lo stoccaggio di gas naturale in condizioni di assoluta sicurezza dell'unità marina" - Joined as member Wärtsilä Italia S.p.A., "Concept design e ottimizzazione strutturale di componenti in plastica di motori endotermici navali"; - Joined as project manager POR-FESR 2014-2020, linea d'intervento 1.3a "ACTIVE - Air Cavity Technology for Inland Vessels" - Joined as coordinator POR-FESR 2014-2020, linea d'intervento 1.3a "EDSS - Emergency Decision Support System" - Joined as project manager POR-FESR 2014-2020, linea d'intervento 1.3a "PLASTICO - Plastic Cover for Marine Engine" - Joined as project manager POR-FESR 2014-2020, linea d'intervento 1.3a "ZELAG - Zero Emission navigation LAguna di Grado" - Joined as project manager EASME - ASSESS - Advanced Skills in Safety, Environment and Security at Sea - Joined as member Ministero delle Infrastrutture e dei Trasporti, Leadership Tecnologica - Generazione Elettrica Innovativa - tematica "Progettazione navale integrata di sistemi innovativi per la generazione distribuita dell'energia elettrica a bordo tramite reti ibride MVAC/MVDC". - Joined as member Interreg Italy-Croatia, Standard +, Priority Axis 1, project BEAT - Blue enhancement action for technology transfer.
Dates	From 31/10/2016 to today
Occupation or position held	Expert of the EU Commission for Research & Innovation programs
Name and address of employer	EU Commission
Main activities and responsibilities	Research program evaluator
Dates	From 08/10/2015 to today
Occupation or position held	REPRISE - Register of Expert Peer Reviewers for Italian Scientific Evaluation - Industrial Research Section
Name and address of employer	Italian Ministry of Education, University and Research
Main activities and responsibilities	Research program evaluator
Dates	From 01/06/2007 to 31/08/2011
Occupation or position held	Project Manager and General Manager
Name and address of employer	Meccano Engineering S.r.l. – Via Lazzaretto Vecchio, 12 Trieste
Main activities and responsibilities	<ul style="list-style-type: none"> - P.321 – Catamaran 80': complete design; RINA Class – CE. - P.324 – M/Y 80.4 m: complete functional design and product engineering, project coordination, RINA Class. - P.335 – M/Y 46 m: complete functional design and product engineering, project coordination, RINA Class. - P.352 – M/Y 65 m: functional design and product engineering, project coordination, Lloyd's Register Class. - P.353 – M/Y 75m: basic design, project coordination, Lloyd's Register Class. - P.354 – S/Y 59.0 m Perini Navi C.2150: functional design and product engineering, project coordination, ABS Class. - P.358 – M/Y 89.9 m: functional design and product engineering, project coordination, Lloyd's Register Class. - P.362 – Mini pax 16 m: basic design, project coordination, RINA Class

Main activities and responsibilities	<ul style="list-style-type: none"> - P.368 – Catamaran 82': complete design; RINA Class – CE. - P.382 – M/Y 63 m: complete design of the exhaust gas system, project coordination, Lloyd's Register Class. - P.384 – M/Y 65 m refitting: complete design of the stern part of the ship in order to install helideck and swimming pool, Lloyd's Register Class. - P.386 – M/Y "ANEDIGMI" refitting: complete design of refitting, project coordination, ABS Class. - P.388 – M/Y 150' minisub carrier Italian Navy: complete design of refitting, project coordination, RINA MIL Class. - P.390 – M/N "AMADEA" refitting: complete design of refitting, project coordination, Germanisher Lloyd Class. - P.396 – Pax vessel 130 m: basic design, project coordination, Lloyd's Register Class. - P.397 – Pax 24 m: basic design, project coordination, RINA Class. - P.398 – Pontoon "MEDCON": complete design of refitting, project coordination, RINA Class. - P.403 – Fast supply vessel Sea Runner": cargo securing manual development, complete design of propulsive system refitting, project coordination, RINA and DNV Class. - P.406 – Patrol vassels "Cavallari" class refitting: complete design of refitting, project coordination, RINA MIL Class. - P.409 – M/N "AMBRIABELLA" refitting: basic design of refitting, project coordination, RINA Class. - P.416 – SOV Indian Navy: basic design of a small naval submarine for seals; RINA MIL Class. - P.417 – S/Y 39 m Perini Navi C.2180: project engineering, complete design of swing keel and steering system, ABS Class. - P.422 – Fishing Vessel 25.5 m: basic design, project coordination, RINA Class. - P.425 – Fishing pontoon: complete design, project coordination, RINA Class. - P.427 – Deck Heavy Cargo Barge 300': basic design, project coordination, RINA Class. - P.435 – "Carnival Valor" class refitting: complete design, project coordination, Lloyd's Register Class. - P.437 – Cable layer ship: basic design, project coordination, RINA Class. - P.442 – "MSC FANTASIA" class refitting: complete design, project coordination, Bureau Veritas Class. - P.452 – S/Y C.2193 Perini Navi: complete design of the stern door, project coordination, ABS Class.
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Dates From 18/05/2006 to 18/05/2007

Occupation or position held Post-Doctoral research fellow

Name and address of employer University of Trieste

Main activities and responsibilities Basic design of a 35 m long expedition superyacht

Education and training

Dates From 16/12/2006 to 19/03/2007

Title of qualification awarded Master Support – Tools for sustainable innovation

Name and type of organisation providing education and training AREA SCIENCE PARK Trieste

Dates June 2006

Title of qualification awarded Registered in n. 198 of the Register of Technical Personnel of Naval Construction of the Maritime Division of Trieste with the qualification of Naval Architect and Marine Engineer

Name and type of organisation providing education and training Italian Ministry of Infrastructures and Transport through the Italian Coastguard

Dates 20/12/2005

Title of qualification awarded Qualification to practice as an Engineer

Name and type of organisation providing education and training University of Trieste

Dates 20/10/2005

Title of qualification awarded MSc in Naval Architecture and Marine Engineering

Name and type of organisation providing education and training University of Trieste

Level in national or international classification 110/110 with honours

Dates 1998
 Title of qualification awarded High school diploma
 Name and type of organisation providing education and training Liceo Scientifico Statale "S. Cannizzaro " di Palermo
 Level in national or international classification 58/60

Personal skills and competences

Mother tongue(s) **Italian**

Other language(s)

Self-assessment

European level (*)

English

German

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C1	Advanced	C1	Advanced	B2	Intermediate	B2	Intermediate	C1	Advanced
A2	Elementary	A2	Elementary	A2	Elementary	A2	Elementary	C1	Elementary

(*) [Common European Framework of Reference for Languages](#)

Social skills and competences

- Very good communication skills gained through my experience as University Assistant Professor
- Excellent soft skills gained through my experience as church volunteer
- Excellent networking skills gained through my experience as Member of the Propeller Club Port of Trieste and as Member of the National Directory of ATENA - Associazione italiana di TEcnica NAVale

Organisational skills and competences

- Good leadership attitude (currently responsible for a team of 7 people, and in the past General Manager of Meccano an engineering company with about 40 employees)
- Excellent organizational skills gained as Project Manager of Meccano Engineering
- Conference Secretary of NAV 2018 - 19th International Conference on Ship & Maritime Research
- National Secretary of ATENA - Associazione italiana di TEcnica NAVale, from 2017 to today
- Regional Secretary of ATENA - Friuli Venezia Giulia, from 2009 to today
- Regional Treasurer of ATENA - Friuli Venezia Giulia, from 2009 to 2009
- Regional Volley Referee Supervisor, from 2013 to today
- International Volley Line Judge, from 2011 to 2013
- International Beach Volley Referee, from 2011 to 2013
- Regional Volley Referee, from 2004 to 2013
- Local Volley Referee, from 2001 to 2004
- FIA-CSAI Car race official, from 2002

Technical skills and competences

- Ship structures
- Marine engineering
- CAD 2D and 3D
- Project Management

Computer skills and competences

- Microsoft Office ●●●●●
- Microsoft Project ●●●●○
- RINA Leonardo Hull ●●●●●
- RINA CE-Suite ●●●●●
- Lloyd's SSC ●●●●●
- Lloyd's Register RulesCalc ●●●●●
- DNV 3D Beam ●●●●●
- Intergraph SmartMarine 3D ●●●○○
- Napa ●●●○○
- Napa Steel ●●●○○
- GHS ●●●○○
- NAVCAD ●●●●●
- Bentley Microstation ●●●●●
- Rhinoceros ●●●●●
- Shipweight ●●●●○

Artistic skills and competences	<ul style="list-style-type: none"> - Static modeling - Tennis - Fishing - Underwater fishing
Religion	Roman Catholic
Driving licence	A3 (motorcycle, without limitations) B (car, without limitations)
Additional information	<p>Thesis Correlator of more than 40 MSc students and 10 BSc students Thesis Supervisor of more than 50 MSc students and 10 BSc students</p> <p><u>Publications:</u></p> <ul style="list-style-type: none"> - Design Navale e Cantieri di Monfalcone: Nicolò Costanzi e Gustavo Pulitzer Finali. Quaderni di Design Navale n. 0, Stamperia Comunale di Monfalcone, 2006. - "Interventi di refitting per un superyacht con sovrastruttura ibrida in materiale composito e acciaio", Seamed 2006, Messina 21/07/2006. - "On the design of ice-strengthened superyachts", ICMRT 2007, Ischia (NA), 28-30/06/2007. - "Innovative design concepts for the yachting market: expedition yachts and electric propulsion", ICMTIR 2007, Barcellona 21-23/11/2007. - "Expedition yacht: una interpretazione innovativa nella grande nautica di lusso" Seamed 2008, Messina 04/07/2008. - "Electric vs. Conventional Propulsion: Comparative Analyses for Luxury Yachts Different in Size" Joint ASNE/SNAME Electric Ship Design Symposium – ESDS 2009, National Harbour Maryland (USA) 12-13/02/2009. - "La gestione dell'energia in un catamarano da diporto: una proposta per l'integrazione con fonti rinnovabili" The future boat & yacht Venice Convention 2010, Venezia 18/11/2010. - "Hybrid Electric propulsion for an eco-friendly inland waterway passenger catamaran", INT-NAM 2011, Istanbul 24-25/10/2011. - "Propulsion System Design of a Yacht Catamaran: Comparisons between Conventional and different Diesel-Electric Solutions", MARINELIVE 2012, Atene 3-5/06/2012. - "Tender to Mega-yacht: progetto di un custom RIB", SEAMED 2012, Messina 06/07/2012. - "Influence of the "Safe return to Port" standards on the integrated design and arrangements of small passenger ships", NAV 2012, Napoli 17-19/10/2012. - "A new proposal for the propulsion of a hybrid motor-sailer catamaran", NAV 2012, Napoli 17-19/10/2012. - "Integrated ship design: automatized generation of production deliverables with new generation shipbuilding CAD systems", COMPIT 2013, Cortona 15-17/04/2013. - "The design of a slow-cruising superyacht with zero emission navigation and smart berthing modes", EVER 2014, Principato di Monaco 25-27/03/2014. - "Inland Waterway Gas-Fuelled Vessels: the Basis of an Innovative Concept Design for European Rivers", DEEE '14, Firenze 22-24/11/2014. - "Inland Waterway Gas-Fuelled Vessels: an innovative proposal of a hybrid ship for the European network", ESARS 2015, Aachen (Germania) 3-5/03/2015. - "Evacuation analysis as tool to optimize safety and payload for cruise ships", NAV 2015, Lecco 24-26/06/2015. - "The new hybrid small passenger vessel for the Venice Lagoon", NAV 2015, Lecco 24-26/06/2015. - "On the Calculation of the Forces Developed by Escort Tugs", ANALELE UNIVERSITATII "DUNAREA DE JOS" GALATI FASCICULA XI CONSTRUCTII NAVALE, Vol. 33, 2015 - "Performance Prediction of a Slender Half-Displacement Passenger Craft for Inland Navigation", ANALELE UNIVERSITATII "DUNAREA DE JOS" GALATI FASCICULA XI CONSTRUCTII NAVALE, Vol. 33, 2015 - "ON ADVANCED SHIP EVACUATION ANALYSIS", Engineering Mechanics 2016 - 22nd International Conference, Svatka (CZ), 9-12/05/2016. - "An innovative hybrid-electric small passenger craft for the sustainable mobility in the Venice Lagoon", SPEEDAM 2016, 23rd International Symposium on Power Electronics, Electrical Drives, Automation and Motion, Capri Island (Italy), 22-24/06/2016. - "Quasi-steady determination of dynamic forces acting on tug during escort operations", MARTECH 2016 - 3rd International Conference on Maritime Technology and Engineering, Lisbona (P), 4-6/07/2016.

- "A new concept design solution for pleasure sailing yachts", MARTECH 2016 - 3rd International Conference on Maritime Technology and Engineering, Lisbona (P), 4-6/07/2016.
- "Impact of Safe Return to Port rules on passenger ships power systems design", AEIT 2016 - International Annual Conference: Sustainable Development in the Mediterranean Area, Energy and ICT Networks of the Future, Capri Island (Italy), 5-7/10/2016.
- "Evacuation analysis for passenger ships: a new mandatory step for the early-stage design", SORTA 2016 - 22nd symposium on Theory and Practice of Shipbuilding, in memoriam prof. Leopold Sorta, Trogir (Croazia), 6-8/10/2016.
- "Numerical estimation of bare hull resistance on a sailing yacht", SORTA 2016 - 22nd symposium on Theory and Practice of Shipbuilding, in memoriam prof. Leopold Sorta, Trogir (Croazia), 6-8/10/2016.
- "Inland waterway gas-fueled vessels: CASM-based electrification of a pushboat for the European network", IEEE TRANSACTIONS ON TRANSPORTATION ELECTRIFICATION, Vol. 2, Fasc. 4, 2016.
- "Experimental investigation on Iroko wood used in shipbuilding", PROCEEDINGS OF THE INSTITUTION OF MECHANICAL ENGINEERS. PART C, JOURNAL OF MECHANICAL ENGINEERING SCIENCE, Vol. 231 Fasc. 1, 2017.
- "Integrated design of a hybrid-electric power system for coastal-navigation multipurpose crafts", Convegno EVER 2017 – Twelfth International Conference on Ecological Vehicles and Renewable Energies, Montecarlo, 11-13/04/2017
- "Redesign of a wave energy converter in ferrocement", Engineering Mechanics 2017 - 23rd International Conference, Svratka (CZ), 15-18/05/2017.
- "Early-stage design of integrated power and energy systems for naval vessels electrification: Advanced modeling using CSI", Convegno ITEC 2017 - Transportation Electrification Conference and Expo, Chicago (USA), 22-24/06/2017.

The undersigned is aware that, pursuant to art. 26 of law 15/68, false declarations, false documents and the use of false deeds are punished according to the penal code and special laws. Furthermore, the undersigned authorizes the processing of personal data, according to the provisions of Law 196/03.

Trieste, 12/03/2018

Vittorio Bucci