

FERRANDO MARCO

Overview

? Unit: NAV
? Role: Professore associato
? Grade: Prof.Associato DPR 232/11 art.2 - t.pieno - cl. 9
? SSD: IIND-01/A (Architettura navale)
? Scopus ID: 7006903025
? Unige Id: 045838
? Retrieved at: 2025-11-14T15:13:20.580467

Contact

? Email: marco.ferrando@unige.it
? Phone: +39 010 33 52412
? Page: <https://rubrica.unige.it/personale/VUdCU1lh>
? Locations: Villa Cambiaso - padiglioni (ED161450103), piano Terra, US161450103.T.110

Career

? Pa, 2012-05-01 ? 2222-02-02

Responsibilities

? Title: Componente del Consiglio direttivo Centro servizio Ateneo
? Unit: Centro servizi di Ateneo territoriale (CeSAT)
? Period: 2024-01-01 ? 2026-12-31

? Title: Direttore
? Unit: Campus universitario della Spezia
? Period: 2024-01-01 ? 2026-12-31

? Title: Delegato del Rettore
? Unit: Università Degli Studi Di Genova
? Period: 2025-11-01 ? 2026-10-31

Teaching

2025

? Architettura Navale 1 (60506), L-9 - Ingegneria Nautica
? Architettura Navale (65915), L-9 - Ingegneria Navale

2024

? Architettura Navale 1 (60506), L-9 - Ingegneria Nautica
? Architettura Navale (65915), L-9 - Ingegneria Navale

2023

? Architettura Navale 1 (60506), L-9 - Ingegneria Nautica
? Architettura Navale (65915), L-9 - Ingegneria Navale

2022

? Architettura Navale 1 (60506), L-9 - Ingegneria Nautica
? Architettura Navale (65915), L-9 - Ingegneria Navale

2021

? Architettura Navale 1 (60506), L-9 - Ingegneria Nautica
? Architettura Navale (65915), L-9 - Ingegneria Navale

2020

? Architettura Navale 1 (60506), L-9 - Ingegneria Navale

? Architettura Navale (65915), L-9 - Ingegneria Navale

Scopus Metrics

? absolute; Docs: 16; Journals: 11; Conferences: 5; Citations: 109; H-index: 6

? 15 years (2010-2025); Docs: 14; Journals: 10; Conferences: 4; Citations: 107; H-index: 6

? 10 years (2015-2025); Docs: 12; Journals: 8; Conferences: 4; Citations: 107; H-index: 6

? 05 years (2020-2025); Docs: 6; Journals: 4; Conferences: 2; Citations: 19; H-index: 3

Scopus Products

1.

? Title: Analysis of the Virtual Towing Tank Accuracy by Means of a New EFD Database

? Venue: Progress in Marine Science and Technology

? Year: 2025

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 1

? Doi: 10.3233/Pmst250032

? Scopus ID: 2-s2.0-105016108340

? Issn: 25430955

? eISSN: 25430963

? Volume: 10

? Pages: 241-251

? Authors: Bozzo Simone; Ferrando Marco; Villa Diego

? Keywords: CFD | EFD | towing tank test | uncertainty | V&V

? Quartile:

2025:

? Safety, Risk, Reliability and Quality (Q4, rank 200, percentile 22)

? Ocean Engineering (Q4, rank 99, percentile 15)

? Mechanical Engineering (Q4, rank 640, percentile 13)

? Source Id: 21101107127

? Author Ids: 58713211300;7006903025;56250522200

? Authoraffiliationids: 133181689-60025153;60025153;60025153

? Corresponding: Bozzo S.

2.

? Title: Experimental study of bubble cavitation on a NACA 0015 hydrofoil by a computer vision approach

? Venue: Ocean Engineering

? Year: 2025

? Type: Journal

? Subtype: Article

? Citations: 1

? DOI: 10.1016/j.oceaneng.2024.119901

? Scopus ID: 2-s2.0-85210735300

? Issn: 00298018

? Volume: 316

? Authors: Franzosi Giovanni; Abbasi Afaq Ahmed; Savio Luca; Viviani Michele; Ferrando Marco; Tani Giorgio

? Keywords: Cavitation erosion | Cavitation measurement | Computer vision | High-speed videos | Hydrofoil NACA 0015

? Quartile:

2025:

? Ocean Engineering (Q1, rank 6, percentile 95)

- ? Environmental Engineering (Q1, rank 38, percentile 83)
 ? Source Id: 28339
 ? Author Ids: 58138664800;57201335703;36631104100;58090077400;7006903025;55355605100
 ? Authoraffiliationids: 60025153;60025153;60108229-60013141;60025153;60025153;60025153
 ? Corresponding: Franzosi G.
- 3.
- ? Title: A comprehensive analysis of a numerical self-propulsion procedure for high-speed marine vehicles
 ? Venue: Ocean Engineering
 ? Year: 2023
 ? Type: Journal
 ? Subtype: Article
 ? Citations: 3
 ? DOI: 10.1016/j.oceaneng.2023.115766
 ? Scopus ID: 2-s2.0-85171740044
 ? Issn: 00298018
 ? Volume: 287
 ? Authors: Villa Diego; Tani Giorgio; Gaggero Stefano; Ferrando Marco; Ausonio Pierluigi; Travi Piero; Viviani Michele
 ? Keywords: Computational fluid dynamics | High-speed marine vehicles | Self-propulsion prediction | Uncertainty quantification
 ? Quartile:
 2025:
 ? Ocean Engineering (Q1, rank 6, percentile 95)
 ? Environmental Engineering (Q1, rank 38, percentile 83)
 2023:
 ? Ocean Engineering (Q1, rank 14, percentile 87)
 ? Environmental Engineering (Q1, rank 48, percentile 75)
 ? Source Id: 28339
 ? Author Ids:
 56250522200;55355605100;6503976905;7006903025;57193088176;57193089356;58090077400
 ? Authoraffiliationids:
 60025153;60025153;60025153;60025153;1180171113;1180171113;60025153
 ? Corresponding: Villa D.
- 4.
- ? Title: Wake Instabilities of Tip-Loaded Propellers: Comparison between CLT and ?New Generation? CLT Configurations
 ? Venue: Journal of Marine Science and Engineering
 ? Year: 2023
 ? Type: Journal
 ? Subtype: Article
 ? Citations: 10
 ? DOI: 10.3390/jmse11010112
 ? Scopus ID: 2-s2.0-85146763874
 ? eISSN: 20771312
 ? Volume: 11
 ? Issue: 1
 ? Authors: Gaggero Stefano; Ferrando Marco
 ? Keywords: CFD | CLT propeller | IDDES | new generation CLT | ship propeller wake | tip vortex | tip-loaded propeller | vortical structures | wake instabilities
 ? Quartile:
 2025:
 ? Ocean Engineering (Q1, rank 29, percentile 75)
 ? Civil and Structural Engineering (Q2, rank 110, percentile 73)

? Water Science and Technology (Q2, rank 77, percentile 72)

2023:

? Civil and Structural Engineering (Q2, rank 126, percentile 66)

? Ocean Engineering (Q2, rank 36, percentile 66)

? Water Science and Technology (Q2, rank 100, percentile 61)

? Source Id: 21100830140

? Author Ids: 6503976905;7006903025

? Authoraffiliationids: 60025153;60025153

? Corresponding: Gaggero S.

5.

? Title: Submarine Manoeuvrability Design: Traditional Cross-Plane vs. x-Plane Configurations in Intact and Degraded Conditions

? Venue: Journal of Marine Science and Engineering

? Year: 2022

? Type: Journal

? Subtype: Article

? Citations: 4

? DOI: 10.3390/jmse10122014

? Scopus ID: 2-s2.0-85144980982

? eISSN: 20771312

? Volume: 10

? Issue: 12

? Authors: Piaggio Benedetto; Vernengo Giuliano; Ferrando Marco; Mazzarello Giorgio; Viviani Michele

? Keywords: design | manoeuvrability | rudder | stern planes | submarines | underwater vehicles

? Quartile:

2025:

? Ocean Engineering (Q1, rank 29, percentile 75)

? Civil and Structural Engineering (Q2, rank 110, percentile 73)

? Water Science and Technology (Q2, rank 77, percentile 72)

2022:

? Ocean Engineering (Q2, rank 39, percentile 61)

? Civil and Structural Engineering (Q2, rank 137, percentile 61)

? Water Science and Technology (Q2, rank 110, percentile 55)

? Source Id: 21100830140

? Author Ids: 57204360929;37662376400;7006903025;57892552100;58090077400

? Authoraffiliationids: 60025153;60025153;60025153;60083109;60025153

? Corresponding: Piaggio B.

6.

? Title: Cavitation tunnel in Naval Architecture: From cavitation prediction to radiated noise

? Venue: 2019 Imeko Tc19 International Workshop on Metrology for the Sea Learning to Measure Sea Health Parameters Metrosea 2019

? Year: 2020

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 0

? Scopus ID: 2-s2.0-85081063127

? Pages: 215-220

? Authors: Tani Giorgio; Viviani Michele; Ferrando Marco

? Source Id: 21100987472

? Author Ids: 55355605100;58090077400;7006903025

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Tani G.

7.

? Title: Aspects of the measurement of the acoustic transfer function in a cavitation tunnel

? Venue: Applied Ocean Research

? Year: 2019

? Type: Journal

? Subtype: Article

? Citations: 21

? DOI: 10.1016/j.apor.2019.02.017

? Scopus ID: 2-s2.0-85064261593

? Issn: 01411187

? Volume: 87

? Pages: 264-278

? Authors: Tani Giorgio; Viviani Michele; Ferrando Marco; Armelloni Enrico

? Keywords: Confined environment | Propeller model tests | Reverberation | Transfer function | Underwater radiated noise

? Quartile:

2025:

? Ocean Engineering (Q1, rank 15, percentile 87)

2019:

? Ocean Engineering (Q1, rank 16, percentile 82)

? Source Id: 26776

? Author Ids: 55355605100;58090077400;7006903025;57211115712

? Authoraffiliationids: 60025153;60025153;60025153;60004969

? Corresponding: Tani G.

8.

? Title: Cavitation tunnel tests for ?The Princess Royal? model propeller behind a 2-dimensional wake screen

? Venue: Ocean Engineering

? Year: 2019

? Type: Journal

? Subtype: Article

? Citations: 20

? DOI: 10.1016/j.oceaneng.2018.11.017

? Scopus ID: 2-s2.0-85060047517

? Issn: 00298018

? Volume: 172

? Pages: 829-843

? Authors: Tani Giorgio; Aktas Batuhan; Viviani Michele; Yilmaz Naz; Miglianti Fabiana; Ferrando Marco; Atlar Mehmet

? Keywords: Cavitation | Model tests | Scale effects | Tip vortex noise | Underwater radiated noise

? Quartile:

2025:

? Ocean Engineering (Q1, rank 6, percentile 95)

? Environmental Engineering (Q1, rank 38, percentile 83)

2019:

? Ocean Engineering (Q1, rank 12, percentile 87)

? Environmental Engineering (Q1, rank 32, percentile 76)

? Source Id: 28339

? Author Ids:

55355605100;57072949400;58090077400;57204799368;57204913304;7006903025;6701684164

? Authoraffiliationids: 60025153;60024724;60025153;60024724;60025153;60025153;60024724

? Corresponding: Tani G.

9.

? Title: A study on the influence of hull wake on model scale cavitation and noise tests for a fast twin screw vessel with inclined shaft

? Venue: Proceedings of the Institution of Mechanical Engineers Part M Journal of Engineering for the Maritime Environment

? Year: 2018

? Type: Journal

? Subtype: Article

? Citations: 8

? Doi: 10.1177/1475090217693418

? Scopus ID: 2-s2.0-85042079373

? Issn: 14750902

? eISSN: 20413084

? Volume: 232

? Issue: 3

? Pages: 307-330

? Authors: Tani Giorgio; Viviani Michele; Villa Diego; Ferrando Marco

? Keywords: Cavitation | hull wake | marine propulsion | model scale measurements | underwater radiated noise

? Quartile:

2025:

? Ocean Engineering (Q2, rank 37, percentile 68)

? Mechanical Engineering (Q2, rank 249, percentile 66)

2018:

? Ocean Engineering (Q2, rank 25, percentile 73)

? Mechanical Engineering (Q2, rank 169, percentile 71)

? Source Id: 25596

? Author Ids: 55355605100;58090077400;56250522200;7006903025

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Tani G.

10.

? Title: The optimal hybrid/electric ferry for the liguria Natural Parks

? Venue: Mts IEEE Oceans 2015 Genova Discovering Sustainable Ocean Energy for A New World

? Year: 2015

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 19

? DOI: 10.1109/OCEANS-Genova.2015.7271474

? Scopus ID: 2-s2.0-84957692899

? Authors: Bianucci Marco; Merlino Silvia; Ferrando Marco; Baruzzo Luca

? Keywords: Ferry boat | Ferry for natural parks | hybrid Ferry

? Source Id: 21100444318

? Author Ids: 22959953100;57103046100;7006903025;57105791100

? Authoraffiliationids: 60007525;60007525;60025153;60025153

? Corresponding: Bianucci M.

11.

? Title: Open source computations of planing hull resistance

? Venue: Transactions of the Royal Institution of Naval Architects Part B International Journal of Small Craft Technology

? Year: 2015

? Type: Journal

? Subtype: Article

? Citations: 20
? DOI: 10.3940/rina.ijsc.2015.b2.172
? Scopus ID: 2-s2.0-84985010371
? Issn: 17400694
? Volume: 157
? Pages: 83-98
? Authors: Ferrando M.; Gaggero S.; Villa D.
? Quartile:
2015:
? Ocean Engineering (Q3, rank 63, percentile 29)
? Civil and Structural Engineering (Q4, rank 197, percentile 18)
? Source Id: 5000154004
? Author Ids: 7006903025;6503976905;56250522200
? Authoraffiliationids: 60025153;60025153;60025153
? Corresponding: Ferrando M.

12.

? Title: A new concept of a very high speed craft: Design issues
? Venue: 18th International Conference on Ships and Shipping Research Nav 2015
? Year: 2015
? Type: Conference Proceeding
? Subtype: Conference Paper
? Citations: 0
? Scopus ID: 2-s2.0-85012909169
? Pages: 949-958
? Authors: Podenzana Bonvino Carlo; Ferrando Marco; Gaggero Stefano; Villa Diego; De Mitri Davide; Gironi Cristina
? Source Id: 21100795196
? Author Ids: 6507106439;7006903025;6503976905;56250522200;57193311577;54953391200
? Authoraffiliationids: 60025153;60025153;60025153;60025153;;
? Corresponding: Podenzana Bonvino C.

13.

? Title: Virtual arrival: A real option for energy saving?
? Venue: Transactions of the Royal Institution of Naval Architects Part A International Journal of Maritime Engineering
? Year: 2013
? Type: Journal
? Subtype: Article
? Citations: 0
? Scopus ID: 2-s2.0-84882386695
? Issn: 14798751
? eISSN: 17400716
? Volume: 155
? Issue: Part A2
? Pages: 89-95
? Authors: Capurso V.; Ferrando M.; Gualeni P.; Viviani M.
? Quartile:
2025:
? Ocean Engineering (Q3, rank 80, percentile 31)
? Environmental Engineering (Q3, rank 167, percentile 26)
2013:
? Ocean Engineering (Q3, rank 53, percentile 39)
? Environmental Engineering (Q4, rank 74, percentile 24)
? Source Id: 5000154003
? Author Ids: 55827599000;7006903025;15057843300;58090077400

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Capurso V.

14.

? Title: Virtual arrival: A real option for energy saving

? Venue: Transactions of the Royal Institution of Naval Architects Part A International Journal of Maritime Engineering

? Year: 2013

? Type: Journal

? Subtype: Note

? Citations: 0

? Scopus ID: 2-s2.0-84902355940

? Issn: 14798751

? eISSN: 17400716

? Volume: 155

? Issue: Part A4

? Pages: A221

? Authors: Capurso V.; Ferrando M.; Gualeni P.; Viviani M.

? Quartile:

2025:

? Ocean Engineering (Q3, rank 80, percentile 31)

? Environmental Engineering (Q3, rank 167, percentile 26)

2013:

? Ocean Engineering (Q3, rank 53, percentile 39)

? Environmental Engineering (Q4, rank 74, percentile 24)

? Source Id: 5000154003

? Author Ids: 55827599000;7006903025;15057843300;58090077400

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Capurso V.

15.

? Title: Model tests and full scale operation with surface piercing propellers

? Venue: Proceedings of the Institute of Marine Engineering Science and Technology Part B Journal of Marine Design and Operations

? Year: 2003

? Type: Conference Proceeding

? Subtype: Article

? Citations: 2

? Scopus ID: 2-s2.0-84867360525

? Issn: 14761556

? Issue: 3

? Pages: 21-31

? Authors: Ferrando M.; Panarello A.; Scamardella A.; Viviani M.

? Source Id: 25658

? Author Ids: 7006903025;55386835600;36170904600;58090077400

? Authoraffiliationids: 60025153;113131498;60025235;113131498

? Corresponding: Ferrando M.

16.

? Title: Shortening Afloat Of A Very Large Crude Carrier.

? Venue: Marine Technology and Sname News

? Year: 1988

? Type: Journal

? Subtype: Article

? Citations: 0

? Scopus ID: 2-s2.0-0024050789

? Issn: 19453582

? Volume: 25

? Issue: 3

? Pages: 163-171

? Authors: Podenzana-Bonvino Carlo; Tedeschi Rodolfo; Boote Dario; Ferrando Marco

? Source Id: 21100870322

? Author Ids: 6507106439;7006593465;56214807300;7006903025

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Podenzana-Bonvino C.