

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: Universit^ 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 Nautica

? 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;118017113;118017113;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.