

## FRUZZETTI CAMILLA

### Overview

? Unit: NAV  
? Role: Ricercatore  
? Grade: Ricercatore t.d. art. 24 c. 3 lett. A Legge 240/10 (t.pieno)  
? SSD: IIND-01/B (Costruzioni e impianti navali)  
? Scopus ID: 57427556800  
? Unige Id: 411548  
? Retrieved at: 2025-11-14T15:13:59.017657

### Contact

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? Locations: Villa Cambiaso - padiglioni (ED161450103), piano Terra, US161450103.T.115

### Career

? Be, 2020-02-15 ? 2023-10-31  
? Dr, 2020-11-01 ? 2023-10-31  
? Cb, 2021-11-03 ? 2024-02-28  
? Ar, 2023-11-02 ? 2024-06-30  
? Rd, 2024-07-01 ? 2027-06-30

### Teaching

#### 2025

? Impianti Navali A (66131), L-9 - Ingegneria Nautica  
? Impianti Navali A (66131), L-9 - Ingegneria Nautica  
? Ship Propulsion (101129), L-28 - Maritime Science And Technology

#### 2024

? Impianti Navali A (66131), L-9 - Ingegneria Nautica  
? Ship Propulsion (101129), L-28 - Maritime Science And Technology

### Scopus Metrics

? absolute; Docs: 9; Journals: 4; Conferences: 4; Citations: 30; H-index: 3  
? 15 years (2010-2025); Docs: 9; Journals: 4; Conferences: 4; Citations: 30; H-index: 3  
? 10 years (2015-2025); Docs: 9; Journals: 4; Conferences: 4; Citations: 30; H-index: 3  
? 05 years (2020-2025); Docs: 9; Journals: 4; Conferences: 4; Citations: 30; H-index: 3

### Scopus Products

#### 1.

? Title: Model Identification, Dynamic Positioning, and Thrust Allocation System for the milliAmpere1 Autonomous Ferry Prototype: Field Trial Results  
? Venue: IEEE Access  
? Year: 2025  
? Type: Journal  
? Subtype: Article  
? Citations: 0  
? Doi: 10.1109/Access.2025.3593251  
? Scopus ID: 2-s2.0-105012467146  
? eISSN: 21693536  
? Volume: 13  
? Pages: 133609-133634  
? Authors: Hinostroza Miguel; Fruzzetti Camilla; Gudahl Tufte Andreas; Lexau Simon

J.N.; Gusev Alexey; Eide Egil; Brekke Edmund F.; Lekkas Anastasios M.; Skjetne Roger; Martelli Michele; Breivik Morten

? Keywords: dynamic positioning control | full-scale experiments | Maritime autonomous surface ships | ship model identification | thrust allocation | urban electrical ferry

? Quartile:

2025:

? Engineering (all) (Q1, rank 42, percentile 88)

? Computer Science (all) (Q1, rank 41, percentile 83)

? Materials Science (all) (Q1, rank 101, percentile 78)

? Source Id: 21100374601

? Author Ids: 56017701600;57427556800;60029276200;59460184200;59959538000;7004958403;25031502300;6505747533;6602785213;55521641400;56206241300

? Authoraffiliationids: 60013141;60025153;60013141;60013141;60013141;60013141;60013141;60013141;60013141;60025153;60013141

? Corresponding: Hinostroza M.

2.

? Title: Time Domain Design of a Marine Target Tracking System Accounting for Environmental Disturbances

? Venue: Journal of Marine Science and Engineering

? Year: 2024

? Type: Journal

? Subtype: Article

? Citations: 1

? DOI: 10.3390/jmse12112058

? Scopus ID: 2-s2.0-85210284265

? eISSN: 20771312

? Volume: 12

? Issue: 11

? Authors: Fruzzetti Camilla; Buzzurro Cristiana; Donnarumma Silvia; Martelli Michele

? Keywords: environmental disturbances | marine autonomous surface ship | target tracking

? 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)

2024:

? Ocean Engineering (Q2, rank 30, percentile 74)

? Civil and Structural Engineering (Q2, rank 116, percentile 71)

? Water Science and Technology (Q2, rank 87, percentile 68)

? Source Id: 21100830140

? Author Ids: 57427556800;59426737200;55350308600;55521641400

? Authoraffiliationids: 60025153;60025153;60025153;60025153

? Corresponding: Fruzzetti C.

3.

? Title: Probabilistic operability and greenhouse gas assessment during dynamic positioning operations

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

? Year: 2024

? Type: Journal

? Subtype: Article

? Citations: 2

? Doi: 10.1177/14750902231203441

? Scopus ID: 2-s2.0-85175652778  
? Issn: 14750902  
? eISSN: 20413084  
? Volume: 238  
? Issue: 2  
? Pages: 336-347  
? Authors: Fruzzetti Camilla; Donnarumma Silvia; Maggiani Francesca; Martelli Michele  
? Keywords: Dynamic positioning | electric propulsion | environmental disturbances | GHG emissions | operability assessment | optimized allocation | scatter diagram analysis | station keeping capability  
? Quartile:  
2025:  
? Ocean Engineering (Q2, rank 37, percentile 68)  
? Mechanical Engineering (Q2, rank 249, percentile 66)  
2024:  
? Ocean Engineering (Q2, rank 32, percentile 72)  
? Mechanical Engineering (Q2, rank 238, percentile 67)  
? Source Id: 25596  
? Author Ids: 57427556800;55350308600;58042017600;55521641400  
? Authoraffiliationids: 60025153;60025153;60211436;60025153  
? Corresponding: Fruzzetti C.

4.

? Title: Real-time critical marine infrastructure multi-sensor surveillance via a constrained stochastic coverage algorithm  
? Venue: Proceedings of the International Ship Control Systems Symposium  
? Year: 2024  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 6  
? Doi: 10.24868/11141  
? Scopus ID: 2-s2.0-85210082696  
? eISSN: 26318741  
? Authors: Ponzini F.; Fruzzetti C.; Sabatino N.  
? Keywords: coverage algorithm | critical infrastructure surveillance | dark ship detection | GNC | MASS | situational awareness  
? Quartile:  
2025:  
? Electrical and Electronic Engineering (Q4, rank 793, percentile 20)  
? Ocean Engineering (Q4, rank 93, percentile 20)  
? Control and Systems Engineering (Q4, rank 327, percentile 14)  
? Human-Computer Interaction (Q4, rank 174, percentile 9)  
2024:  
? Ocean Engineering (Q4, rank 99, percentile 13)  
? Electrical and Electronic Engineering (Q4, rank 860, percentile 11)  
? Control and Systems Engineering (Q4, rank 348, percentile 7)  
? Human-Computer Interaction (Q4, rank 178, percentile 4)  
? Source Id: 21101052918  
? Author Ids: 58576469000;57427556800;59423368900  
? Authoraffiliationids: 60025153;60025153;60025153  
? Corresponding: Ponzini F.

5.

? Title: Model-Based Motion Control Design for the Milliampere1 Prototype Ferry  
? Venue: 2024 European Control Conference Ecc 2024  
? Year: 2024

? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 4  
? Doi: 10.23919/Ecc64448.2024.10591071  
? Scopus ID: 2-s2.0-85200538613  
? Pages: 3636-3643  
? Authors: Fruzzetti Camilla; Martelli Michele; Lekkas Anastasios; Skjetne Roger; Breivik Morten  
? Source Id: 21101240865  
? Author Ids: 57427556800;55521641400;6505747533;6602785213;56206241300  
? Authoraffiliationids: 60025153;60025153;60013141;60013141;60013141  
? Corresponding: Fruzzetti C.

- 6.
- ? Title: Unmanned Surface Vehicle Chase a Moving Target Remotely Controlled  
? Venue: Lecture Notes in Computer Science Including Subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics  
? Year: 2023  
? Type: Book Series  
? Subtype: Conference Paper  
? Citations: 2  
? Doi: 10.1007/978-3-031-31268-7\_14  
? Scopus ID: 2-s2.0-85161671157  
? Issn: 03029743  
? eISSN: 16113349  
? Volume: 13866 Lncs  
? Pages: 243-254  
? Authors: Fruzzetti Camilla; Martelli Michele  
? Keywords: Autonomous Surface Vessel | Guidance | Human in the loop | Target tracking  
? Quartile:  
2025:  
? Theoretical Computer Science (Q3, rank 70, percentile 48)  
? Computer Science (all) (Q3, rank 129, percentile 46)  
2023:  
? Computer Science (all) (Q3, rank 121, percentile 48)  
? Theoretical Computer Science (Q3, rank 69, percentile 47)  
? Source Id: 25674  
? Author Ids: 57427556800;55521641400  
? Authoraffiliationids: 60025153;60025153  
? Corresponding: Fruzzetti C.

- 7.
- ? Title: Dynamic positioning operability assessment by using thrust allocation optimization  
? Venue: Sustainable Development and Innovations in Marine Technologies Proceedings of the 19th International Congress of the International Maritime Association of the Mediterranean Imam 2022  
? Year: 2023  
? Type: Conference Proceeding  
? Subtype: Conference Paper  
? Citations: 2  
? Doi: 10.1201/9781003358961-5  
? Scopus ID: 2-s2.0-85145613688  
? Pages: 25-32  
? Authors: Fruzzetti C.; Donnarumma S.; Martelli M.; Maggiani F.  
? Source Id: 21101130449

? Author Ids: 57427556800;55350308600;55521641400;58042017600

? Authoraffiliationids: 60025153;60025153;60025153;60211436

? Corresponding: Fruzzetti C.

8.

? Title: Rapid Prototyping for Enhanced Dynamic Positioning Systems

? Venue: Progress in Marine Science and Technology

? Year: 2022

? Type: Conference Proceeding

? Subtype: Conference Paper

? Citations: 2

? Doi: 10.3233/Pmst220075

? Scopus ID: 2-s2.0-85138206739

? Issn: 25430955

? eISSN: 25430963

? Volume: 6

? Pages: 641-649

? Authors: Donnarumma Silvia; Fruzzetti Camilla; Martelli Michele; Chiti Roberto;  
Pecoraro Andrea; Sebastiani Luca

? Keywords: dynamic positioning | hardware-in-the-loop | model-based design

? 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)

2022:

? Ocean Engineering (Q4, rank 91, percentile 9)

? Safety, Risk, Reliability and Quality (Q4, rank 178, percentile 7)

? Mechanical Engineering (Q4, rank 600, percentile 4)

? Source Id: 21101107127

? Author Ids: 55350308600;57427556800;55521641400;56845710200;57893035300;16022741600

? Authoraffiliationids: 60025153;60025153;60025153;109904344;109904344;109904344

? Corresponding: Donnarumma S.

9.

? Title: Dynamic target chasing: parameters and performance indicators assessment

? Venue: Journal of Marine Science and Technology Japan

? Year: 2022

? Type: Journal

? Subtype: Article

? Citations: 11

? DOI: 10.1007/s00773-021-00865-3

? Scopus ID: 2-s2.0-85123502826

? Issn: 09484280

? Volume: 27

? Issue: 1

? Pages: 712-729

? Authors: Fruzzetti Camilla; Donnarumma Silvia; Martelli Michele

? Keywords: Autonomous surface vessel | Constant bearing | Guidance | Line-of-sight |  
Target tracking

? Quartile:

2025:

? Oceanography (Q1, rank 26, percentile 83)

? Ocean Engineering (Q1, rank 28, percentile 76)

? Mechanical Engineering (Q1, rank 178, percentile 75)

? Mechanics of Materials (Q2, rank 123, percentile 70)

2022:

? Mechanical Engineering (Q2, rank 161, percentile 74)

? Ocean Engineering (Q2, rank 27, percentile 73)

? Oceanography (Q2, rank 39, percentile 71)

? Mechanics of Materials (Q2, rank 113, percentile 71)

? Source Id: 27784

? Author Ids: 57427556800;55350308600;55521641400

? Authoraffiliationids: 60025153;60025153;60025153

? Corresponding: Fruzzetti C.