

Europass Curriculum Vitae

Latest update

March 19, 2021



Personal information

Surname(s) / First name(s)

Address(es)

Email(s)

Nationality(-ies)

Mannarini, Gianandrea

<https://www.cmcc.it/people/mannarini-gianandrea>

mailto:Gianandrea.Mannarini@cmcc.it

Italian

Current position

Job title

Employer

Place

Senior scientist

Fondazione Centro Euro-Mediterraneo sui Cambiamenti Climatici (CMCC)

Lecce (Italy)

Research activity

- Assessment of the environmental impact of maritime transportation, especially in reference to climate change (IMO MEPC.304(72), EU MRV 757/15, UN decade of Ocean Science)
- Research and development with the open-source ship routing model VISIR for the enhancement of efficiency and safety of maritime transportation through meteo-marine forecasting products

Recent projects and responsibilities

- Italy-Croatia Interreg V-A, Programme Priority Axis "Maritime transport", *GUTTA* (2019-2022): Project Coordinator
- 2nd Maritime Big Data Workshop (June 30, 2020): Programme Committee Member
- "Applications" research unit of the OPA Division of CMCC (2019-): Leader
- IMO (MEPC-73, Oct.22, 2018): Speaker at the Italian side event

Publication and citation services

Scopus

Publons (WoS)

6507693465

M-6124-2019

Social media presence

ResearchGate
LinkedIn

<https://www.researchgate.net/profile/Gianandrea-Mannarini>
<https://www.linkedin.com/in/gianandreamannarini/>

Selected Publications

- 1) G. Mannarini, L. Carelli, J. Orović, C. P. Martinkus, and G. Coppini. Towards Least-CO₂ Ferry Routes in the Adriatic Sea. *Journal of Marine Science and Engineering*, 9(2), 2021. DOI:10.3390/jmse9020115
- 2) G. Mannarini, L. Carelli, and A. Salhi. EU-MRV: an analysis of 2018's Ro-Pax CO₂ data. In 21st IEEE International Conference on Mobile Data Management (MDM), 2020 DOI:10.1109/MDM48529.2020.00065
- 3) G. Mannarini, D. Subramani, P. Lermusiaux, and N. Pinardi. Graph-Search and Differential Equations for Time-Optimal Vessel Route Planning in Dynamic Ocean Waves, *IEEE Transactions on Intelligent Transportation Systems*, vol. 21, no. 8, 2020 DOI: 10.1109/TITS.2019.2935614
- 4) G. Mannarini and L. Carelli. VISIR-1.b: ocean surface gravity waves and currents for energy-efficient navigation, *Geoscientific Model Development* 12, 3449–3480, 2019 DOI:10.5194/gmd-12-3449-2019
- 5) G. Mannarini, L. Carelli, D. Zisis, G. Spiliopoulos, and K. Chatzikokolakis. Preliminary inter-comparison of AIS data and optimal ship tracks, *TransNav*, 13(1):53–61, 2019. DOI:10.12716/1001.13.01.04

Prizes and Awards

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| 2019 | Best presentation award for "Preliminary Inter-comparison of AIS Data and Optimal Ship Tracks" talk given at the 13th International Conference on Marine Navigation and Safety of Sea Transportation, Gdynia (Poland), June 14, 2019 |
| 2011 | Boeing prize for meritorious invention disclosure "Probability Density Function -based calculation of CE90" (90th percentile of Circular Error), Jeppesen Italia, December 2011 |
| 2007 | "Cultore della Materia" (i.e., Expert on Subject) in "General Physics I" at the Università del Salento, Lecce, Italy, February 2, 2007 |

Education and Training

Dates	February 2001 to June 2005
Title of qualification awarded	Doctor rerum naturalium (Dr. rer. nat.)
Name and type of organization providing education and training	Humboldt-Universität zu Berlin, Germany
Level in national classification	"magna cum laude"
Dates	October 1995 to October 2000
Title of qualification awarded	Dottore in Fisica (Dott.)
Name and type of organization providing education and training	Università degli Studi di Pisa, Italy
Level in national classification	"110 e lode"