Athanasios Dermatis

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Education

École Centrale de Nantes — Nantes, France
Doctor of Philosophy in Ocean Engineering — September 2022-Present

- Thesis: "Extreme Wave Response of Large Marine Structures"

National Technical University of Athens — Athens, Greece
Diploma (300 ECTS) in Naval Architecture and Marine Engineering, GPA: 8.51/10 — October 2016-March 2022

- Thesis: "Numerical modelling of regular and irregular breaking waves using a coupled artificial compressibility method" (Grade: 10/10)

The American College of Greece — Athens, Greece
Minor Degree (18 ECTS) in International Business, GPA: 3.9/4.0 — September 2019-March 2021

Experience

Lloyd's Register — Athens, Greece
Maritime Performance Services - Assistant Specialist — 09/2021-12/2021 & 03/2022-07/2022

- Calculation of EEXI for various types of vessels and composition of Technical Files
- Quantitative analysis for technical measures about the reduction of EEXI (Mewis/Schneekluth Duct Retrofits, Shaft Generators, Engine Power/Shaft Power Limitation)

RINA — Athens, Greece
Research Trainee — 06/2021-07/2021

- Research on EU Funded Project "SafePASS" (IMO's criteria for alternative design of Life Saving Appliances)
- Participation in the proposal for EU Funded Project "Horizon 2020" (Digital twins in the context of energy efficiency and sustainability)
- Preparation of training material on various subjects for professional trainings

Thenamaris Ships Management Inc. — Athens, Greece
Technical Intern — 07/2019-08/2019

- Registered machinery spare parts of a new-built vessel using Amos PMS Software
- Visited an on-board inspection of a chemical carrier

Academic Awards

- American Bureau of Shipping Award - ABS 2018 (Third highest score in 4^{rth} year undergraduate courses) 2019–2020
- "Nikolaos I. Kritikos" Award (Highest score in 1^{st} year mathematics courses) 2016–2017
- "Christos Papakyriakopoulos" Award (Highest score in 1^{st} and 2^{nd} year mathematics courses) 2017-2018

Publications

Dermatis A, Ntouras D, Papadakis G. *Numerical Simulation of Irregular Breaking Waves Using a Coupled Artificial Compressibility Method.* Fluids. 2022; 7(7):235. https://doi.org/10.3390/fluids7070235