PERSONAL INFORMATION

Adrian CARAMATESCU

adrian.caramatescu@ugal.ro

Date of birth

Nationality Romanian

WORK EXPERIENCE

2020-present

Lecturer – Naval Architecture Faculty

Universitatea ”Dunărea de Jos” din Galați, Strada Domnească nr 47

- Hull resistance
- Basic ship theory
- Ship Architecture
- Vibrations
- Hull construction

Sector: University Education

2018-present

Senior project engineer – Head of Technical Department & Commissioning

Heinen & Hopman Mar SRL, Strada Alexandru Moruzzi nr 123, Galați

- Sales offers & negotiation
- Coordination & monitoring engineers teams
- Projects management

Sector: Shipbuilding

2001- 2018

Technical Manager

PLAMA SRL, Strada Alexandru Moruzzi nr 56A, Galați

- Technical suport for production department
- Sales offer & negotiation
- Small craft design based n client specifications and requirements
- Project management

Sector: Small Craft Shipbuilding

EDUCATION

2018

PhD in Mechanical Engineering

Universitatea ”Dunărea de Jos” din Galați, Strada Domnească nr 47

- Comparative Analysis Of Classical And Hybrid Structures Used In Grp Boat Hulls, Methods Of Weight Reduction And Improvement Of Wave Impact Resistance

2013

Master in Naval Architecture

Universitatea ”Dunărea de Jos” din Galați, Strada Domnească nr 47

2001

Engineering Diploma

Universitatea ”Dunărea de Jos” din Galați, Strada Domnească nr 47

SKILLS

Native language: Romanian

Foreign Languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Participation in conversation	Oral speech	
English	C2	C2	C2	C2	C2
French	A2	A2	A2	A2	A2
German	A1	A1	A1	A1	
Italian	B1	B1	A2	A1	A1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
COMMON EUROPEAN FRAMEWORK OF REFERENCE FOR LANGUAGES

Organisational / managerial skills
- leadership
- project management
- sales offers/negotiation projects with a high degree of complexity
- commitement to safety protocols in a high risk environment

Computer skills
- Microsoft Office suite
- CAD tools: Rhinoceros, Autocad, CorelDRAW!
- Shipbuilding CAD tools: Tribon, Aveva, Orca3D, Cadmatic
- Numerical structural analysis software: FEMAP, Cosmos
- Numerical flow analysis software CFD: Numeca
- Statistical analysis of experimental data
- Mapping recomposition, extrapolation based on plynomial regression
- 3d Scanning, reverse engineering, rapid prototyping (3D Printing)

Other skills
- Small composite hull craft design, testing, diagnose and repair
- Specialised propulsion systems for small craft
- Installation and training for electronic equipment for depth sounders, single beam

Projects

Design of Ventilation and Air Conditioning System for NMS Grigore Antipa Research Vessel, 2020, Damen Shipyards Mangalia, Project Manager for Heine&Hopman Mar SRL, 2020

PN-III-P2-2.1-CI-2017-0780 Îmbunătățirea eficienței energetice a navelor de transport pasageri pe Dunăre și zona litorală a Mării Negre – INSPIRE, member

FP7-SME Grant agreement ID: 262591, Grant title: SeaKers (Sea Kinetic Energy Recovery System), 2011-2012 (https://cordis.europa.eu/project/id/262591/reporting) - Project Manager for SME PLASMA partner

Publications

Analiza comparativă a structurilor clasice și hibride folosite la ambarcaţi-uni din PAFS, metode de uşurare a acestora şi îmbunătățirea rezistenţei la impactul cu valurile, PhD Thesis, ISBN 978-973-627-641-5 Editura Fundației Universitare ,,Dunărea de Jos", Galați, 2020

Conferences

Caramatescu, A., Mocanu, C.I.,"*Cfd Simulation Of A Planing Hull*", Proceedings Of The International Conference of Transport and Trade Engineering, Belgrade, ISBN 978-86-916153-3-8, 2018;

Caramatescu, A., Mocanu, C.I.,"*Experimental And Numerical Evaluation Of Wave Impact Stress On A Composite Boat Hull*", 35th Danubia-Adria Symposium on Advances in Experimental Mechanics, 25-28 September 2018, Sinaia, Romania

Caramatescu, A., Mocanu, C.I.,"*Experimental And Numerical Evaluation Of Wave Impact Stress On A Composite Boat Hull*", Materials Today: Proceedings 00(2019) 0000-0000

Caramatescu, A,. Mocanu, C.I., Modiga, A. "*A New Concept of Composite Material for High Speed Boats*", Revista de Materiale Plastice, nr 1/2019 ISSN 0025/5289

Caramatescu, A., Mocanu, C.I., "*Review Of Composite Materials Applications In Marine Industry*" The Annals Of "Dunarea De Jos" University Of Galati Fascicle Xi – Shipbuilding, Issn 1221-4620, 2019

Caramatescu, A., Mocanu, C.I., Păcuraru, F.D., Jagîte, G., "*Estimation of Planing Forces in Numerical and Full Scale Experiment*", Proceedings of The Intrenational Maritime Association of the Mediterranean IMAM 2017 ISSN 1221-4620, p. 403-408, 2017;

Caramatescu, A., Păcuraru, F.D., Cristea, C.,"*Numerical Simulation Of A Cargo Planing Boat With Inverted Keel*", Proceedings Of The International Conference of Transport and Trade Engineering, Belgrade, ISBN 978-86-916153-3-8, 2016;

Caramatescu, A., Crudu, L., "*Seakeeping Analysis: A Key For The Future Yacht Design*",Analele Universității „Dunărea de Jos", Fascicula XI - Shipbuilding, ISSN 1221-4620, 2013;

Caramatescu, A., Crudu, L., „*Comparative Seakeeping Analysis Of A Class Of Maxy-Yachts*", Analele Universității „Dunărea de Jos", Fascicula XI - Shipbuilding, p. 205-212, ISSN 1221-4620, 2015;

Caramatescu, A., Graure, A., „*Constructive Solutions For The Widening Of A Planing Boat Made Of Composite Material*", Analele Universității „Dunărea de Jos", Fascicula XI - Shipbuilding, p. 195-198, ISSN 1221-4620, 2015;

Prodan, M., Vicol, V.A., Caramatescu, A., Mocanu, C.I., „*State of stress in the hull of a boat made from GRP to enhance the resistance of body structure*", Analele Universității „Dunărea de Jos", Fascicula XI - Shipbuilding, p. 125-129, ISSN 1221-4620, 2016;

Memberships

Associate member of ***Royal Institution of Naval Architects***
Inspector of ***International Marine Certification Institute***