



## BIOGRAPHY - CV

### PERSONAL INFORMATION



#### Nemanja Pudar

Treća Baošićka 77, Herceg Novi, 85340, Montenegro.

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<https://www.linkedin.com/in/nemanja-pudar-98259b258/>

Viber, Whats app

Sex m | Birth date 24/05/1999 | Citizenship Montenegrin

### WORK EXPERIENCE

April 2024-

#### Research Associate

University of Montenegro, Faculty of Maritime Studies Kotor, Put I Bokeljske brigade 44, 85330 Kotor, Montenegro.

National Scientific Research Project "Decarbonization of Maritime Sector - Green Boka Bay – DeMS-GBB"

January 2023-October 2023

#### Internship

University of Montenegro, Faculty of Maritime Studies Kotor, Put I Bokeljske brigade 44, 85330 Kotor, Montenegro.

December 2021- June 2022

#### Teaching Associate

University of Montenegro, Faculty of Maritime Studies Kotor, academic study program in Marine Electrical Engineering.

October 2021- December 2021

#### Student demonstrator

University of Montenegro, Faculty of Maritime Studies Kotor, academic study program in Marine Electrical Engineering.

July 2021- September 2021

#### Work and Travel program for students

Harbor View Hotel – Martha's Vineyard, Massachusetts

The Seafood Shanty - Martha's Vineyard, Massachusetts

June 2019- October 2019

#### Work and Travel program for students

Harbor View Hotel – Martha's Vineyard, Massachusetts

The Charlotte Inn - Martha's Vineyard, Massachusetts

### EDUCATION AND TRAINING

2023-

#### PhD student, study program Maritime Sciences

University of Montenegro, Faculty of Maritime Studies Kotor

2021-2023

#### Master's student, study program Maritime Sciences

University of Montenegro, Faculty of Maritime Studies Kotor

2018- 2021

#### BSc Marine Electrical Engineering

University of Montenegro, Faculty of Maritime Studies Kotor

### PERSONAL SKILLS

Engagements

March 2022- Member of the Management Board of folk ensemble 'Sloga' Đenovići

February 2023- Member of the Management Board of NS CIOFF Montenegro

Native language

serbian

Other languages	UNDERSTANDING		SPEECH		WRITING
	Listening	Reading	Verbal interaction	Speech production	
English	C1	C1	C1	C1	C1
Italian	B1	B1	B1	B1	B1
German	A2	A2	A2	A2	A2
Other skills and competencies	<ul style="list-style-type: none"> <li>▪ Excellent knowledge of Microsoft Office™ tools (Word™, Excel™, and PowerPoint™);</li> <li>▪ Familiarity with software (MATLAB, LabVIEW, AutoCAD - 2D/3D);</li> <li>▪ Experience with programming languages (C, C++).</li> </ul>				
Digital competence	SELF-ASSESSMENT				
	Processing information	Communication	Creating content	Security	Problem solving
	Competent use	Competent use	Competent use	Competent use	Competent use
	Levels: Basic use - Independent use - Competent use				
Driving license	B, B1				
Hobbies and interests	Folklore				

## SCIENTIFIC PUBLICATIONS

- [1] M. Petronijević, I. Radonjić, **N. Pudar**, M. Čalasan, T. Dlabach, „Experimental Investigation and Performance Analysis of a PV-Based Microgrid Suitable for Marine Applications”, 4th Kotor International Maritime Conference (KIMC 2024), Kotor, Montenegro, November 2024
- [2] Z. Đurović, T. Dlabach, **N. Pudar**, "Word list of research in decarbonization in the maritime industry a case study on lexical analysis of technical corpora", International Association of Maritime Universities (IAMUC), Massachusetts Maritime Academy, 7 – 12 October 2024, Massachusetts USA
- [3] T.Dlabach, M. Dževerdanović Pejović, I.Knežević, **N.Pudar**, "Utilizing software for automatic reference citing –A case study of the Faculty of Maritime Studies Kotor“, International Scientific Conference “Science, Philosophy of Science and Scientific Methodology”, 27-28. September 2024. Niksic and Podgorica, Montenegro
- [4] J. Nikčević, **N. Pudar**, and T. Dlabach, "Reduction of Greenhouse Gas Emissions from Maritime Transport: Legal Challenges and Opportunities for Sustainable Bay of Kotor," in Proc. of the Adriatic Maritime Law Conference VI, Trieste, Italy, 20-22 Jun. 2024.
- [5] **N. Pudar**, I. Knežević, M. Čalasan, M. Krčum, and T. Dlabach, "Possible Integration of PV Systems on Ferries in Boka Bay," International Conference on Electrical, Electronic and Computing Engineering (IcETRAN), Niš, Serbia, June 3-6 2024.
- [6] **N. Pudar**, I. Čavor, I. Knežević, Z. Đurović, T. Dlabach, “Utilizing Digital Twins for the Decarbonization of the Maritime Traffic in Boka Bay”, 28th International Conference on Information Technology (IT 2024), 21-24 February 2024, Žabljak, Montenegro.
- [7] **N. Pudar**, I. Knežević, M. Čalasan, T. Dlabach „Overview of the use of Black box, Gray Box and White Box Modelling in Ship Systems“, 3rd Kotor International Maritime Conference (KIMC 2023) -, Kotor, Montenegro, November 2023
- [8] **N. Pudar**, L.Mrdović, I.Knežević, N.Marvučić, M.Čalasan and T.Dlabach, “Application of capacitor banks in the ship’s power system”, 10th International Maritime Science Conference (IMSC 2023), 08-09 May 2023, Solin, Croatia.
- [9] **N. Pudar** and Š. Ivošević, “FIB Analysis of Corrosion Effects on Shape Memory Alloys in Marine Environments”, 287th International Conference on Information Technology (IT 2023), 15-17 February 2023, Žabljak, Montenegro.
- [10] L. Mrdović, **N. Pudar**, and J. Medojević „Autonomous Surface Vessels (ASV) and their potential in different survey applications“,2nd Kotor International Maritime Conference (KIMC 2022) - Student sectiony, Kotor, Montenegro, November 2022
- [11] **N. Pudar**, L. Mrdović, and J. Medojević „Use of Solar Energy as an Alternative Source of Electrical Power Production on Ships“,2nd Kotor International Maritime Conference (KIMC 2022) - Student sectiony, Kotor, Montenegro, November 2022
- [12] I. Knežević, S. Dragičević, D. Kovač, **N. Pudar**, „Energy efficiency analysis of solar powered ship - the case of Bay of Kotor“, COAST 2022, I International Conference on Advances in Science and Technology, Herceg Novi, Montenegro, 26-29, May 2022.
- [13] **N. Pudar**, “Use of AMOS in the ship maintenance optimization process”, Student VI International Scientific Conference, Batumi, Georgia, May 2022.
- [14] I. Knežević, **N. Pudar**, and L. Mrdović, “LabVIEW Based PID Controller For Tank Level Controlling Onboard”, Student VI International Scientific Conference, Batumi, Georgia, May 2022.

- [15] M. Beko, I. Knežević, **N. Pudar**, T. Dlabač, and Š. Ivošević, “Analysis of changes of NiTi alloys in different marine environments”, 21<sup>st</sup> International Symposium INFOTEH-JAHORINA (INFOTEH 2022), 16-18 March 2022, Jahorina, RS, B&H.
- [16] I. Knežević, **N. Pudar**, T. Dlabač, and Š. Ivošević, “Behavior of CuAlNi alloys in different marine environments”, 26<sup>th</sup> International Conference on Information Technology (IT 2022), 16-18 February 2022, Žabljak, Montenegro.
- [17] I. Čavor, I. Knežević, **N. Pudar**, L. Mrdović, and T. Dlabač, “The use of micro:bit in practical classes” 26<sup>th</sup> International Conference on Information Technology (IT 2022), 16-18 February 2022, Žabljak, Montenegro.
- [18] M. Rašković, I. Knežević, **N. Pudar**, and L. Mrdović, “Torque Measurement Using Code Discs and Optical Forks on Ship’s Propeller Shafts”, International Student micro-Conference IMSuC’2021, Budapest, Hungary, December 2021.

## PROJECTS

- National scientific research project "Decarbonization in the Maritime Sector - Green Boka Bay" (acronym DeMS-GBB), (2024 – 2027), funded by the Ministry of Education, Science, and Innovation of Montenegro, with the project leader being the Faculty of Maritime Studies Kotor, University of Montenegro.
- Excellence Scholarship for Doctoral Research of the Ministry of Education, Science, and Innovation – “Solar Energy Application for Maritime Decarbonization – SOLE-MarD” (2025–2027), funded by the Ministry of Education, Science, and Innovation of Montenegro.
- IAMU 2025 Research Project for Young Academic Staff „Integration of PV Systems and Power Optimization on Vessels“ (2025-2026), funded by the International Association of Maritime Universities (IAMU), with the project leader being Nemanja Pudar, MSc
- "Naukom za mlade do održive energetske budućnosti" (number 050202-082/24-812/3), funded by the Ministry of Education, Science, and Innovation through Competition for co-financing science promotion projects within the „Days of Science and Innovation 2024“ festival, September 23 – 27, 2024, led by the University of Montenegro, Faculty of Maritime Studies Kotor.
- Erasmus+ project Professional Roadmap and Opportunities for Sustainable Participation in E-sports for The Youth (E-4PROSPERITY), KA220-YOU - Cooperation partnerships in youth (KA220-YOU), (2024-2026).