

PERSONAL INFORMATION



Tatijana Dlabac (maiden name **Vučković**)

- 📍 Džordža Vašingtona 6, 81000, Podgorica, Montenegro
- 📍 Business – Faculty of Maritime Studies, Put I Bokeljske brigade 44, 85330, Kotor, Montenegro
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Sex Female | Date of birth 01/06/1969 | Nationality Montenegrin

WORK EXPERIENCE

From 1993 up to now

- Associate Professor at Faculty of Maritime Studies, University of Montenegro
<https://www.ucg.ac.me/radnik/230290-tatijana-dlabac>
 - Dean at Faculty of Maritime Studies (FMS), University of Montenegro (UoM), from 27.9.2023.
 - Vice-dean for development and innovations at FMS from 2019 to 2023.
 - Vice-dean for Education duties at FMS from April 2015 to the end of September 2017.
 - Member of the Governing Board of UoM from September 2016 to September 2020.
 - Head of the Training Center for seafarers at FMS from February 2020 to February 2023.
 - Head of the academic study programme Marine Electrical Engineering from 2017 to 2022.
 - Head of the academic study programme Maritime Sciences from 2007 to 2011.
 - Assistant Professor at FMS from 2015 to 2020
 - Teaching Assistant at FMS from 1996 to 2015
 - Teaching Assistant at Faculty of Electrical Engineering (UoM) from 1993 to 1996.
- Business or sector: High-education institution

EDUCATION AND TRAINING

2013	<p>PhD</p> <p>University of Montenegro, Faculty of Electrical Engineering, Podgorica, Montenegro</p> <ul style="list-style-type: none"> ▪ Theoretical electromagnetics 	PhD
1996	<p>Master of Sciences</p> <p>University of Montenegro, Faculty of Electrical Engineering, Podgorica, Montenegro</p> <ul style="list-style-type: none"> ▪ Speech recognition 	MSc
1992	<p>Bachelor of Sciences</p> <p>University of Montenegro, Faculty of Electrical Engineering, Podgorica, Montenegro</p> <ul style="list-style-type: none"> ▪ Electronics 	BSc

PERSONAL SKILLS

Mother tongue(s) Montenegrin

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user
Common European Framework of Reference for Languages

Communication skills Very good

Organisational / managerial skills Good ability for teamwork and excellent organizational skills. Able to take the initiative and work independently and proactively. Willingness to work hard.

Computer skills Microsoft Office and Internet applications (regular Internet user)

Driving licence B category

ADDITIONAL INFORMATION

<p>Publications</p> <p>Presentations</p> <p>Projects</p> <p>Conferences</p> <p>Seminars</p> <p>Honours and awards</p> <p>Memberships</p> <p>References</p>	<p>Projects:</p> <ul style="list-style-type: none"> - "Innovation HUB for MARitime competencies promotion - IHUBMAR" (01.10.2024-31.12.2025.), program Encouraging innovation culture, financed by the Fund for Innovative Activities of Montenegro, Funding Agreement no. 01-2543, member of the work team. - 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), member of the work team. - National scientific research project „Decarbonization of the maritime sector – green Boka Bay”, DeMS-GBB), 3.1.2024.-3.1.2027.(Contract no. 04-082/23-2536/1 from 21.12.2023), Project coordinator on behalf of Faculty of Maritime Studies, University of Montenegro. - Erasmus+ project Harvesting (digital) Alternation in Ways that Knock-down Inaccessibility of New Generations – HAWKING, Project ID: 101128741 — HAWKING — ERASMUS-EDU-2023-CBHE (2023-2026) - Joint Master on Maritime Robotics in Blue Economy (MARBLE), Interreg V-B Adriatic-Ionian Transnational Programme – ADRION 2014-2020, Fifth Extraordinary call for proposals, Priority Axis 1 "Innovative and Smart Region", 02.01.2023.-30.09.2023. - Adriatic-Ionian joint approach for development and harmonisation of procedures and regulations in the field of navigation safety – EUREKA, INTERREG V-B Adriatic-Ionian ADRION Programme 2014-2020 - Erasmus+ Capacity building in the field of Higher Education project: "Development of Regional Joint Master Program in Maritime Environmental Protection and Management (MEP&M)", project no. 619239-EPP-1-2020-1-ME-EPPKA2-CBHE-JP - Erasmus + project Sustainable development of BLUE economies through higher education and innovation in Western Balkan Countries, (BLUEWBC), January 2020 – January 2023. - 2019-2021: An approach to forming a model for evaluating a practical Internet based education (Ministry of Science of Montenegro and Ministry of Education, Science and Technological Development of Serbia, Project coordinator on behalf of University of Montenegro - ERASMUS+ project "School-to-Work Transition for Higher education students with disabilities in Serbia, Bosnia & Herzegovina and Montenegro" project No. 561847-KA2-CBHE (15/10/2015-14/10/2018), Project coordinator on behalf of University of Montenegro; - Montenegro Sustainable Maritime Competence Development Initiative, HERD Maritime 2010-2014, Higher education, research and development in the Western Balkans - Maritime Sector Programme 2012-2014. Project partner UoM Maritime Faculty Kotor, Project Leader for partner Prof. Dr. Danilo Nikolić, collaboration between Maritime Faculty Kotor with Alesund University College, Norway (June 2013 – June 2015);
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- Modernizing and harmonizing maritime education in Montenegro and Albania – MarED, TEMPUS IV – 6th Call for proposals, project coordinator UoM Maritime Faculty Kotor (01/12/2013 - 30/11/2016);

Books:

1. Filipović D., Vučković T., Osnovi elektrotehnike, Elektrotehnički fakultet, Univerzitet Crne Gore, Podgorica, 1997., ISBN 86-81039-61-X
2. Filipović D., Vučković T., Zbirka zadataka iz osnova elektrotehnike, Pergamena, Podgorica, 2001.
3. Vučković T., Stojanović R., Dedić A., Praktikum laboratorijskih vježbi iz elektronike, Elektrotehnički fakultet, Podgorica, 1996.

Papers/reviews published in journals:

1. I. Knežević, M. Čalasan, T. Dlabač, F. Filipović, N. Mitrović, "Exact analytical solutions for modelling the speed-time characteristics of direct-start induction machines under various operational conditions on ships: review and experimental validation", *Elektronika Ii Elektrotehnika*, Vol. 30 No. 6 (2024), pp. 4-12, ISSN: 2029-5731 (Online), ISSN: 1392-1215 (Print), <https://doi.org/10.5755/j02.eie.38518>
2. Ilija Knežević, Tatijana Dlabač, Martin Čalasan, Maja Krčum, "Novel Approaches to Representing the Speed-Time Characteristics of a Direct Start-Up Induction Machine Driving Gravitational-Type Loads", *Brodogradnja/Shipbuilding* Vol. 75, No 4, pp. 1-15, 2024.
3. Sanja Antić, Tatijana Dlabač, Alenka Milovanović, "Calculation of PID Controller Performance Indexes for Different Tank Systems", *Časopis Pomorskog fakulteta Kotor – Journal of Maritime Sciences*, Vol. 25, No. 1/2024, pp. 66-84, ISSN 2787-8880 (Print), ISSN 2787-8899 (Online), <https://doi.org/10.56080/jms240505>
4. I. Knežević, M. Čalasan, and T. Dlabač, "Novel Analytical Approaches for Induction Machine Direct Start-up Speed–Time Curve Modeling under Fan Load" *Electr Eng*, vol., no., pp., Oct. 2023. <https://doi.org/10.1007/s00202-023-02039-3>
5. T. Dlabač, S. Antić, M. Čalasan, A. Milovanović and N. Marvučić, "Nonlinear Tank-Level Control Using Dahlin Algorithm Design and PID Control," *Applied Sciences*, vol. 13, no. 9, pp. 5414, 2023. <https://doi.org/10.3390/app13095414>
6. Dževerdanović-Pejović, M, Đurović, Z. and Dlabač, T., "Twinning in Maritime English Teaching – Preparing Future Seafarers for Signing On", *FOLIA LINGUISTICA ET LITTERARIA – Časopis za nauku o jeziku i književnosti FOLIA LINGUISTICA ET LITTERARIA – Journal of Language and Literary Studies*, 2023, pp. 197-210
7. Filipović D., Dlabač T., "Proximity Effect in a Thin Two-layer Tubular Conductor Caused by a Parallel Filamen", *Serbian Journal of Electr. Eng.*, Vol. 17, No. 1, February 2022, pp. 57-66, DOI: 10.2298/SJEE2201057F, http://www.journal.ftn.kg.ac.rs/Vol_19-1
8. Dževerdanović Pejović M., Dlabač T., "The Challenges Of Teaching English To The Marine Electrical Engineering Students", *Pedagogika-Pedagogy*, Volume 93, Number 6s, 2021 pp. 101-111.
9. Dlabač T., Milovanović A., "The Review of Some Tools and Techniques for Evaluating Practical Training In Electrical Engineering", *Nauka, nastava, učenje u izmenjenom društvenom kontekstu*, Monografija, Pedagoški fakultet u Užicu, 2021, str. 203–216
10. Filipović D., Dlabač T., "Green's Function for the Semi-Infinite Strip in Terms of an Improper Integral", *Serbian Journal of Electr. Eng.*, Vol. 17, No. 2, June 2020, pp. 235-246, DOI: 10.2298/SJEE2002235F, http://www.journal.ftn.kg.ac.rs/Vol_17-2/
11. Bešković B., Zanne M., Dlabač T., Ivošević Š., "Green Transport Chains Analysis: Pollution vs. Price and Time Elements on Asia – Eastern Adriatic Trade", *Naše more - International Journal of Maritime Science and Technology*, Vol. 67, No.1, pp. 36-44., 2019. <https://doi.org/10.17818/NM/2020/1.6>, <http://www.nasemore.com/green-transport-chains-analysis-pollution-vs-price-and-time-elements-on-asia-eastern-adriatic-trade/>
12. Krčum M., Zubčić M., Dlabač T., Electromechanical Analysis of the Medium Voltage Earthing Switch due to Short-Time and Peak Withstand Current Test, *Energies* 2019, 12(16), 3189; <https://doi.org/10.3390/en12163189>, ISSN 19961073 <https://www.mdpi.com/journal/energies>
13. Dlabač T., Čalasan M., Krčum M., Marvučić M., "PSO-Based PID Controller Design for Ship Course-Keeping Autopilot", *Brodogradnja: Teorija i praksa brodogradnje i pomorske tehnike* Vol. 70, No 4, pp. 1-15, 2019. ISSN 0007-215X (Tisak), ISSN 1845-5859 (Online) <https://doi.org/10.21278/brod70401051>
14. B. Koprivica, A. Milovanovic, T. Dlabac, An Approach to Cold Junction Compensation And Identification of Unknown Thermocouple Type, *Rev. Roum. Sci. Techn.– Électrotechn. et Énerg.* Vol. 63, 3, pp. 277–282, Bucarest, 2018
15. P Vidan, S Vukša, T Dlabač, Practice of And Attitudes Toward Familiarisation on Board: Survey

of Croatian and Montenegrin Maritime Officers, Brodogradnja: Teorija i praksa brodogradnje i pomorske tehnike Vol. 69, No 3, pp. 97-110, Septembar 2018.

16. Dlabač T., Filipović D., "Integral Equation Approach for Proximity Effect in a Two-Wire Line With Round Conductors", Tehnički vjesnik- Technical Gazette, Vol. 22, 4(2015), pp. 1065-1068 (ISSN: 1330 – 3651 /Print, ISSN: 1848 – 6339 / Online)
<https://doi.org/10.17559/TV-20140119140254>
17. Perovich S.M., Đukanovic M. Đ., Dlabač T., Nikolić D., Čalasan M. P., " Concerning A Novel Mathematical Approach To The Solar Cell Junction Ideality Factor Estimation", Applied Mathematical Modelling, Vol. 39 (2015), pp. 3248-3264 (ISSN: 0307-904X)
18. Filipović D., Dlabač T., "Proximity Effect in a Shielded Symmetrical Three-Phase Line", Serbian Journal of Electr. Eng., Vol. 11, No. 4, December 2014, pp. 585-596., ISSN 1451 – 4869
19. Vidan P., Dlabač T., Jerković G., "Familiarisation Aboard Ships of Croatian and Montenegrin Officers", Transactions on maritime Science TOMS, April 2015, Vol.5, NO.1, pp. 113-118
20. Dlabač T., Filipović D., Plazinić M., "Integral Equation Method for Determining Current Distribution in a System of Parallel Conductors", Technics Technologies Education Management (ISSN:1840-1503), Vol. 7, No. 4, 11/12, 2012.
21. Čalasan M., Radulović V., Dlabač T., Kovač D., "Matematički modeli olovnih akumulatora – pregled i određivanje parametara", Energija – Ekologija -Ekonomija, UDC: 620.97:621.313.12, ISSN 0354-8651, mart 2014, 83-88
22. Čalasan M., Dlabač T., Ostojić M, "PID parameters determination of synchronous machine AVR system", International Review of Automatic Control (IREACO), Vol. 6, No. 4, July 2013, 425-430
23. Filipović D., Dlabač T., "A closed form solution for the proximity effect in a thin tubular conductor influenced by a parallel filament", Serbian Journal of Electr. Eng., Vol. 7, No. 1, May 2010, 13-20.

Papers published in proceedings of the conferences:

1. S. Antić, A. Milovanović, T. Dlabač, "Labview Software Implementation For Liquid-Level Control In Tank Systems", International Scientific Conference – UNITECH 2024, 21 – 22. November 2024, Gabrovo, Bulgaria.
2. Z. Đurović, T. Dlabač, 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.Dlabač, 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. I.Petrović, V. Kapetanović, T.Dlabač, " Adoption of Unique Aspects of Competence in Maritime Education: A Case Study of Montenegro", International Scientific Conference "Science, Philosophy of Science and Scientific Methodology", 27-28. September 2024. Niksic and Podgorica, Montenegro
5. N. Pudar, I. Knežević, M. Čalasan, M. Krčum, and T. Dlabač, "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. J. Nikčević, N. Pudar, and T. Dlabač, "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. (Book of Abstracts)
7. Z. Đurović, T. Dlabač, "Lexical profiling and building technical glossaries", 21st International Conference on Transport Science, 20th and 21st May, 2024, Portorož, Slovenia
8. V. Kapetanović, M. Krčum, S. Kordić, I. Petrović, T. Dlabač, "A Model Proposal for Monitoring Key Performance Indicators-a Case Study of the Faculty of Maritime Studies Kotor", 28th International Conference on Information Technology (IT 2024), 21-24 February 2024, Žabljak, Montenegro.
9. N. Pudar, I. Čavor, I. Knežević, Z. Đurović, T. Dlabač, "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.
10. I. Knežević, M. Čalasan, T. Dlabač, and M. Krčum, "Experimental Investigation of Load Dynamics of Induction Motor up to the Critical Stopping Point", 3rd Kotor International Maritime Conference, Nov. 26-29, 2023, Kotor, Montenegro (Book of Abstracts)
11. N. Pudar, I. Knežević, M. Čalasan, and T. Dlabač, "Overview of the Use of Black Box, Gray

- Box, and White Box Modelling in Ship Systems", 3rd Kotor International Maritime Conference, Nov. 26-29, 2023, Kotor, Montenegro (Book of Abstracts)
12. S. Antić, A. Milovanović, and T. Dlabac, "Calculation of the PID controller performance indexes for a tank system", 3rd Kotor International Maritime Conference, Nov. 26-29, 2023, Kotor, Montenegro (Book of Abstracts)
 13. I. Petrović, J. Nikčević, V. Kapetanović, T. Dlabac, "Seafarers' Education and Training in Practice: Montenegrin Experience", 3rd International Conference of Maritime Science & Technology, Dubrovnik, 14 – 16 September 2023, Croatia (Book of Abstracts)
 14. D. Filipović and T. Dlabac, "Current distribution in a thin two-layer tubular conductor influenced by a filament," 15th International Conference on Applied Electromagnetics - ПЕC 2021 August 30 – September 01, 2021, Niš, Serbia
 15. L. Mrdović, N. Pudar, I. Knežević, M. Čalasan, S. Cvrk and T. Dlabac, "Improvement of education in the field of marine engineering at the Faculty of Maritime Studies Kotor," 10th International Conference on Electrical, Electronic and Computing Engineering (IcETRAN), East Sarajevo, Bosnia and Herzegovina, June 5-8, 2023. ISBN 978-86-7466-965-5.
 16. D. Filipović and T. Dlabac, "Current Distribution in an Inhomogeneous Conductor in the Presence of a Filament," 10th International Conference on Electrical, Electronic and Computing Engineering (IcETRAN), East Sarajevo, Bosnia and Herzegovina, June 5-8, 2023. ISBN 978-86-7466-965-5.
 17. I. Knežević, S. Dragičević, M. Čalasan, T. Dlabac, "Parametarske analize fotonaponskog sistema na brodu," VIII Savjetovanje Crnogorskog Komiteta CIGRE, Budva, Crna Gora, Maj 9-12., 2023.
 18. N. Pudar, L. Mrdović, I. Knežević, N. Marvučić, M. Čalasan, and T. Dlabac, "Application of capacitor banks in the ship's power system," 10th International Maritime Science Conference (IMSC 2023), Solin, Croatia, May 8-9, 2023.
 19. I. Knežević, I. Čavor, V. Popović-Bugarin, and T. Dlabac, "Using Machine Learning techniques for predicting electrical data of PV panels from RGB images," 10th International Maritime Science Conference (IMSC 2023), Solin, Croatia, May 8-9, 2023.
 20. V. Kapetanović, M. Krčum, I. Petrović and T. Dlabac, "The importance of information system for seafarers in Montenegro", 27th International Conference on Information Technology (IT 2023), 15-18 February 2023, Zabljak, Montenegro.
 21. I. Knežević, M. Krčum, T. Dlabac, and A. Gudelj, "The use of GeoGebra software to improve teaching in the field of marine electrical engineering", 27th International Conference on Information Technology (IT 2023), 15-18 February 2023, Zabljak, Montenegro.
 22. S. Antić, T. Dlabac, M. Čalasan, A. Milovanović and N. Marvučić 'Tank-level control for coupled tank using PID controller', 2nd Kotor International Maritime Conference (KIMC 2022), 27–30 November 2022, Kotor, Montenegro. (Book of Abstracts)
 23. V. Kapetanović, I. Stanovčić, M. Vukičević, I. Petrović and T. Dlabac, 'Key performance indicators of the quality management system in the function of monitoring the education and training of seamen at the Faculty of Maritime Studies Kotor', 2nd Kotor International Maritime Conference (KIMC 2022), 27–30 November 2022, Kotor, Montenegro. (Book of Abstracts)
 24. I. Knežević, S. Dragičević, D. Kovač, and T. Dlabac, 'The analysis and design of a solar PV system for tourist ships', 2nd Kotor International Maritime Conference (KIMC 2022), 27–30 November 2022, Kotor, Montenegro. (Book of Abstracts)
 25. T. Dlabac, S. Antić, M. Čalasan, A. Milovanović and N. Marvučić, 'Tank-level control using PID controller and Dahlin's algorithm', 19th International Scientific and Technical Conference on Marine Traffic Engineering MTE 2022, 12 - 14 October 2022, Kołobrzeg, Poland. (Book of Abstracts)
 26. Knezevic, B. Koprivica, T. Dlabac, N. Marvučić, and A. Milovanović, 'Integration of virtual instrumentation in marine electrical engineering education', 9th International Scientific Conference Technics and Informatics in Education (TIE 2022), Sep. 2022, pp. 121–128.
 27. N. Marvucic, D. Kovac, I. Knezevic, and T. Dlabac, 'Primjer korišćenja virtualne instrumentacije u održavanju ležajeva u brodskim sistemima', 7. Konferencija „Održavanje 2022“ 12-15. septembar 2022, pp. 421–428.
 28. T. Dlabac, M. Dževerdanović Pejović, J. Nikčević, V. Kapetanović., The importance of maritime education and training quality control: the case of Montenegro, ICTS 2022 - 20th International Conference on Transport Science, 23-24. May 2022, Portorož, Slovenia