

LIČNE INFORMACIJE


Tatijana Dlabac̆ (rođena Vučković)

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Pol Ženski | Datum rođenja 01/06/1969 | Nacionalnoct Crnogorska

RADNO ISKUSTVO

Od 1993 do danas

Redovni profesor za oblast Brodske elektrotehnike i elektronike na Pomorskom fakultetu Kotor Univerziteta Crne Gore
<https://www.ucg.ac.me/radnik/230290-tatijana-dlabac>
 Dekanica Pomorskog fakulteta Kotor od 27.9.2023. godine

Nastavnik u zvanju redovnog profesora od 27.3.2025. godine

Nastavnik u zvanju vanrednog profesora od 12.3. 2020. godine

Nastavnik u zvanju docenta 26. 3. 2015.godine

Prodekan za razvoj i inovacije Pomorskog fakulteta Kotor od 18.9. 2019 do 26.9.2023. godine

Prodekan za nastavu Pomorskog fakulteta Kotor od 17.4.2025. do 24.9.2027. godine

Član Savjeta za naučnoistraživačku djelatnost od 25.9.2025. godine

Predstavnik Crne Gore u Forumu Evropskog istraživačkog prostora (ERA Forumu) od 4.9.2025.

Član Etičkog komiteta od 13.3.2025. godine

Član je cmogorskog tima stručnjaka za reformu visokog obrazovanja (*Montenegrin Higher Education Reform Experts - HERE*) od aprila 2024. godine

Član UO UCG od 2016 - 2020. godine

Rukovodilac obuka u Centru za obuke Pomorskog fakulteta Kotor od 1.2. 2020 do 1.2.2023. godine

Rukovodilac akademskog studijskog programa Pomorska elektrotehnika od 2017-2022. godine

Rukovodilac akademskog studijskog programa Pomorske nauke od 2007 – 2011

Saradnik u nastavi na Pomorskom fakultetu Kotor od 1996 – 2015. godine

Saradnik u nastavi na Elektrotehničkom fakultetu UCG od 1993 – 1996. godine

Biznis sektor: Visoko obrazovanje

OBRAZOVANJE I TRENING

2013	Doktor nauka Univerzitet Crne Gore, Elektrotehnički fakultet, Podgorica, Crna Gora ▪ Elektromagnetika	PhD
1996	Magistar elektrotehnike Univerzitet Crne Gore, Elektrotehnički fakultet, Podgorica, Crna Gora ▪ Robotika i vještačka inteligencija	MSc
1992	Diplomirani inženjer elektrotehnike Univerzitet Crne Gore, Elektrotehnički fakultet, Podgorica, Crna Gora ▪ Elektronika	BSc

PERSONALNE VJEŠTINE

Maternji jezik Crnogorski

Ostali jezici

Engleski

RAZUMIJEVANJE		GOVOR		PISANJE
Listening	Reading	Spoken interaction	Spoken production	
B2	B2	B2	B2	B2

Nivo: A1/2: osnovni - B1/2: nezavisni korisnik - C1/2 profesionalni korisnik
Common European Framework of Reference for Languages

Komunikacione vještine Veoma dobre komunikacione vještine stečene aktivnostima u akademskoj zajednici.

Organizacione / menadžerske vještine Veoma dobre organizacione sposobnosti koje su potvrđene kroz niz raznih aktivnosti kojima sam rukovodila. Dobro poznavanje procesa kontrole kvaliteta i upravljanja radnim timovima

Vozačka dozvola B kategorija

ADDITIONAL INFORMATION

REFERENCE

 Projekti
Publikacije
Časopisi
Konferencije

Projekti:

- Nacionalni inovativni projekat "SAM4MI: *Smart Acoustic Monitoring for Induction Motors using AI*" (SAM4MI), 2025–2026, finansiran od strane Fonda za inovacije Crne Gore (Provjera inovacionog koncepta). Period realizacije: 1.11.2025 – 1.11.2026, član projektnog tima
- "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, član projektnog tima
- 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), član projektnog tima
- Nacionalni naučno istraživački projekat Dekarbonizacijom u pomorskom sektoru do zelenog Bokotorskog zaliva (Decarbonization of the Maritime Sector – Green Boka Bay), akronim DeMS-GBB (2024 – 2027), rukovodilac projektnog tima
- 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), član projektnog tima
- 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, član projektnog tima
- Erasmus+ Razvoj regionalnog zajedničkog master programa za zaštitu i upravljanje morskom sredinom (Development of Regional Joint Master Program in Maritime Environmental Protection and Management) - MEP&M, Br. 619239-EPP-1-2020-1-ME-EPPKA2-CBHE-JP (2021 – 2024), član projektnog tima
- 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 (2020 –2023), član projektnog tima
- Erasmus + Održivi razvoj plavih ekonomija kroz visoko obrazovanje i inovacije u zemljama Zapadnog Balkana (Sustainable development of BLUE economies through higher education and innovation in Western Balkan Countries)– BLUEWBC (2020 –2023), član projektnog tima
- Bilateralni projekat Crna Gora – Srbija, Jedan pristup formiranju modela za vrednovanje praktične internetom podržane nastave (akronim – EPEmod), 1.1.2019-31.12.2021, rukovodilac projektnog tima, rukovodilac projektnog tima

- Bilateralni projekat Crna Gora – Slovenija, Poboljšanje energetske efikasnosti invertorski napajanog asinhronog motora izborom optimalnog broja štapova rotora (akronim EEINAM), 1.8.2018-31.7.2021., član projektnog tima
- Bilateralni projekat Crna Gora – Slovenija, Razvoj intermodalnog transporta, intermodalnih čvorova i transportnih mreža u zaleđu u Istočno-Jadranskom regionu (akronim: INTERMOD-EastAdriion), 1.8.2018-31.7.2021. rukovodilac projektnog tima
- ERASMUS + projekat Prelaz studenata s invaliditetom od visokog obrazovanja do zapošljavanja u Srbiji, Bosni i Hercegovini i Crnoj Gori (Work Transition for Higher Education Students with Disabilities in Serbia, Bosnia & Herzegovina and Montenegro, akronim - Trans2Work), oktobar 2015 - oktobar 2018, rukovodilac projektnog tima.

Knjige:

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.

Članci objavljeni u časopisima

1. I. Knežević, M. Čalasan, **T. Dlabač**, et al., "Nonlinear black-box modeling of an induction machine under variable frequency and load conditions," *Electrical Engineering*, vol. 108, p. 175, Feb. 2026, doi: 10.1007/s00202-026-03534-z.
2. 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>
3. Ilija Knežević, **Tatjana 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, ISSN 0007-215X (Print), ISSN 1845-5859 (Online), <https://doi.org/10.21278/brod75402>
4. Sanja Antić, **Tatjana 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>
5. 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>
6. **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>
7. 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
8. 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
9. 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.
10. **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
11. 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/
12. 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/>
13. 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>
 14. **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>
 15. B. Koprivica, A. Milovanovic, **T. Dlabač**, 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
 16. 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, Septebmer 2018.
 17. **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)
 18. 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)
 19. 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
 20. 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
 21. **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.
 22. 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
 23. 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
 24. 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

Članci objavljeni na međunarodnim i nacionalnim konferencijama:

1. N. Pudar, I. Radonjić, M. Petronijević, **T. Dlabač**, and I. Knežević, "Photovoltaic panels in maritime sector," in UNITECH – Selected Papers, International Scientific Conference, Gabrovo, Bulgaria, Nov. 2025, doi: 10.70456/JYCO7796.
2. T. Mavrić, M. Čalasan, I. Knežević, N. Pudar, and **T. Dlabač**, "Application of IoT technology for real-time performance monitoring of shipboard PV systems," in Proc. 4th Int. Conf. Maritime Sci. Technol. Our Sea 2025: Sustainable, Green and Resilient Maritime Industry, Dubrovnik, Croatia, Sep. 18–19, 2025.
3. T. Mavrić, I. Knežević, M. Čalasan, and **T. Dlabač**, "ThingSpeak platform for IoT sensor data acquisition and analysis in shipboard solar PV systems," in Proc. 2025 12th Int. Conf. Electr., Electron. Comput. Eng. (IcETRAN), Cacak, Serbia, 2025, pp. 1–5, doi: 10.1109/IcETRAN66854.2025.11114246.
4. I. Knežević, **T. Dlabač**, M. Čalasan, „Novi inverzni model vrijeme-brzina karakteristike asinhronne mašine pri gravitacionom opterećenju zasnovan na iterativnoj Lambert W funkciji,” u Zbornik radova 24. Međunarodnog simpozijuma INFOTEH-JAHORINA, Jahorina, Bosna i Hercegovina, 19–21. mart 2025, str. 59–64.
5. V. Kapetanović, M. Krčum, I. Petrović, J. Nikčević, **T. Dlabač** "Predlog za unapređenje

- upravljanja rizicima u instituciji visokog obrazovanja koja se bavi obrazovanjem pomoraca" 29th International Conference on Information Technology (IT) Žabljak, 19 – 22 February 2025, Zbornik radova Informacione tehnologije 2025 ISBN: 978-9940-8707-5-1.
6. 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.
 7. 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
 8. **T. Dlabač**, M. Dževerdanović Pejović, I. Knežević, N. Pudar, "Utilising 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
 9. 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
 10. 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.
 11. Z. Đurović, **T. Dlabač**, "Lexical profiling and building technical glossaries", 21st International Conference on Transport Science, 20th and 21st May, 2024, Portorož, Slovenia
 12. 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.
 13. 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.
 14. D. Filipović and **T. Dlabač**, "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. Dlabač**, "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. Dlabač**, "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. Dlabač**, "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. Dlabač**, "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. Dlabač**, "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. I. Knežević, M. Krčum, **T. Dlabač**, 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, Žabljak, Montenegro.