



Vasilije Bojović

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Home: Relejska II/18, 81400 Nikšić (Montenegro)

WORK EXPERIENCE

Assistant lecturer

[2021 – Current]

University of Montenegro (UoM) [www.ucg.ac.me]

Faculty of Civil Engineering (FCE) [www.ucg.ac.me/gf]

Podgorica, Montenegro

- Assistant lecturer in courses from the domain of: Technical mechanics and Theory of structures (Faculty of Civil Engineering and Faculty of Architecture)
- Co-supervisor of Final/Diploma student projects
- Scientific-research and engineering activities

Training for the application of Eurocodes

[2020 – 2020]

- Participant in the preparation of presentations in the training program for civil engineers for the application of Eurocode 2, organized by Association of Liberal Engineers of Serbia and Ana Sekulović Consulting

Teaching assistant

[2019 – 2021]

University of Montenegro (UoM) [www.ucg.ac.me]

Faculty of Civil Engineering (FCE) [www.ucg.ac.me/gf]

Podgorica, Montenegro

- Teaching assistant in courses from the domain of: Technical mechanics and Theory of structures (Faculty of Civil Engineering and Faculty of Architecture)
- Co-supervisor of Final/Diploma student projects
- Scientific-research and engineering activities

Civil engineer

Akropolis d.o.o [2019 – 2019]

Address: Nikšić (Montenegro)

- Tendering and management in road constructions
- City streets and regional roads reconstruction, Site engineer

EDUCATION AND TRAINING

PhD (Doctor of Philosophy)

Faculty of Civil engineering, University of Montenegro [2021 – Current]

Address: Podgorica (Montenegro)

Level in EQF: EQF level 8

- Specialisation: Theory of structures
- Structure: 5 courses/exams + PhD thesis (6 semesters)

MSc (Master of science)

Faculty of Civil engineering, University of Montenegro [2019 – 2021]

Address: Podgorica (Montenegro)

Level in EQF: EQF level 7

- Specialisation: Theory of structures
- Structure: 5 courses/exams + MSc thesis (2 semesters)
- MSc thesis: Stress strain analysis of laminated composite plates

Eurocodes Balkan Summer School 2021 - Seismic design of concrete buildings

European Commission, Joint Research Centre [05/07/2021 – 16/07/2021]

Spec. Sci (Specialist of science)

Faculty of Civil engineering, University of Montenegro [2018 – 2019]

Address: Podgorica (Montenegro)

Level in EQF: EQF level 7

- Specialisation: Structures
- Structure: 10 courses/exams + Specialist theses (2 semesters)
- Specialist thesis: Modeling of RC frame structure, calculation and comparison of characteristic results, depending on ground category

BSc (Bachelor of science)

Faculty of Civil engineering, University of Montenegro [2015 – 2018]

Address: Podgorica (Montenegro)

Level in EQF: EQF level 6

- Specialisation: Structures
- Structure: 34 courses/exams (6 semesters)

LANGUAGE SKILLS

Mother tongue(s): **Montenegrin / Serbian**

Other language(s):

English

LISTENING C1 READING C1 WRITING C1

SPOKEN PRODUCTION C1 SPOKEN INTERACTION C1

Russian

LISTENING A2 READING A2 WRITING A2

SPOKEN PRODUCTION A2 SPOKEN INTERACTION A2

DIGITAL SKILLS

CSI SAP2000 / Radimpex Tower / ArmCad / CSI ETABS / Microsoft Office (Microsoft Word, Microsoft Excel, Microsoft Powerpoint, Microsoft Access) / XTRACT / ANSYS APDL / ANSYS Workbench / AutoCad

PUBLICATIONS

Papers in journals with regular international distribution:

■ Rakočević M., Bojović V.: *"Analysis of Symmetric Angle-Ply Laminated Composite Plates"*, Researches 2020 - Special issue of the Journal Istraživanja/Researches, on the occasion of the 40th anniversary of the Faculty of Civil Engineering in Podgorica, 1980-2020, 2021, p.147-156, ISBN 978-86-7664-198-7.

International conferences:

■ Bojović V., Bjeletić N.: *"The effect of ground category on RC frame structure seismic performance"*, The 7th international conference Civil engineering - science and practice, GNP 2020, Kolašin, Montenegro, 2020., p. 371-378. ISBN 978-86-82707-32-5.

■ Rakočević M., Bojović V., Mrdak I.: *"Analysis of the influence of ground types on seismic response of multi-storey frame structure"*, International conference on Contemporary Theory and Practice in Construction XIV, STEPGRAD 2020, Banja Luka, Bosnia and Herzegovina, 2020., p.250-262. ISBN 978-99976-782-4-9.

■ Rakočević M., Knežević M., Bojović V., Drobnjak I.: *"Analysis of condition and estimation of costs for reconstruction of the elementary school Vladimir Nazor"*, 15th International scientific conference, iNDiS 2021, Novi Sad, Serbia, 2021.

■ Bojović V., Rakočević M.: *"Free vibration analysis of symmetric cross-ply laminated composite plates"*, The 8th international conference Civil engineering – science and practice GNP 2022, Kolašin, Montenegro, 2022.

■ Baša N., Furtula J., Bojović V., Ognjenović D., Đurović R.: *"Examination of the bridges by test load on the highway Bar-Boljare"*, Association of Structural Engineers of Serbia - 16th congress, Aranđelovac, Serbia, 2022., p.184-195. ISBN 978-86-7518-226-9.

■ Rakočević M., Bojović V.: *"Single-layer theories of modern laminated composite plates"*, Association of Structural Engineers of Serbia - 16th congress, Aranđelovac, Serbia, 2022., p.196-203. ISBN 978-86-7518-226-9.

NETWORKS AND MEMBERSHIPS

Memberships

- Research network powered by Ministry of Science of Montenegro; Research ID number: 8054
- Mensa Montenegro

DRIVING LICENCE

Driving Licence: B

HONOURS AND AWARDS

Honours and awards

- Award of the "Professor Arsenije Vujović" foundation, for the best scientific/professional achievement in 2021, in the field of structural engineering, for the master's thesis "Stress strain analysis of laminated composite plates".
- Student award "19. december" of Podgorica Municipality, 2019.
- Student award "18. september" of Nikšić Municipality, 2019.
- Award for achieving success during academic year 2017/18, Faculty of Civil Engineering
- University of Montenegro award for the best student of the Faculty of Civil Engineering, 2017.
- Award for achieving success during academic year 2016/17, Faculty of Civil Engineering
- Award for achieving success during academic year 2015/16, Faculty of Civil Engineering
- Diploma "Luča I" in elementary and high school, 2015.
- Silver medal, junior basketball league of Montenegro, 2014.
- II award, International manifestation "Dani harmonike" in Smederevo, 2009.
- Golden medal, Music festival in Kotor, 2009.

ORGANISATIONAL SKILLS

Organisational skills

- Good organizational skills and teamwork ability

HOBBIES AND INTERESTS

Hobbies and interests

- playing basketball,
- playing tennis,
- traveling,
- playing accordion.

COMMUNICATION AND INTERPERSONAL SKILLS

Communication and interpersonal skills

- Good communication skills gained through teaching experience
- Good skills in team work generated through participating in several design teams
- Good ability to adapt to new environment and to cooperate with new people.

JOB-RELATED SKILLS

Job-related skills

- Experience in design of structures
- Capable of individual work: self-learning user for several software applications

SCHOLARSHIPS

Scholarships

- Ministry of Education scholarship (2009-2010, 2016-2018)
- Scholarship of Nikšić Municipality (2015-2018)

ENGINEERING PROJECTS

Buildings - Design, Expert Reports and Elaborates

- Main Design of Remediation and Strengthening of the Existing Structure of the Hotel "Montenegro Stars" in Bečići, (CDS Project d.o.o. Podgorica, RC Structure, 2000+2000 m², December 2019); assistant designer
- Main Design of Reconstruction of the Hotel "Montenegro Stars in Bečići - Upgrade of Lamella 4 with Technical Facility, (CDS Project d.o.o. Podgorica, RC Structure, 5000 m², April 2021); assistant designer
- Expert opinion on the condition of the facilities and assessment of investments of the elementary school "Vladimir Nazor" in Podgorica (Faculty of Civil Engineering, University of Montenegro, May 2021); member of the expert team

Bridges - Design

- Preliminary Design of the Bridge 1 BRATEŠIĆI 1 (RC/PT Structure – $L = 22+28+22=72\text{m}$), Budva bypass, middle section, (CDS Project d.o.o. Podgorica, January 2022); assistant designer
- Preliminary Design of the Bridge 2 BRATEŠIĆI 2 (RC/PT Structure – $L = 22+28+22=72\text{m}$), Budva bypass, middle section, (CDS Project d.o.o. Podgorica, January 2022); assistant designer
- Preliminary Design of the Bridge 5 RAKITA - Left and Right (RC/PT Structure – Left Bridge $L=22+4*28+22=156\text{m}$ – Right Bridge $L=22+4*28+22=156\text{m}$), Budva bypass, middle section, (CDS Project d.o.o. Podgorica, January 2022); assistant designer

- Preliminary Design of the Bridge 6 KRALJ 1 - Left and Right (RC/PT Structure – Left Bridge $L=22+6*28+22=212\text{m}$ – Right Bridge $L=22+8*28+22=268\text{m}$), Budva bypass, middle section, (CDS Project d.o.o. Podgorica, January 2022); assistant designer
- Preliminary Design of the Bridge 7 KRALJ 2 - Left and Right (RC/PT Structure – Left Bridge $L=22+4*28+22=156\text{m}$ – Right Bridge $L=22+4*28+22=156\text{m}$), Budva bypass, middle section, (CDS Project d.o.o. Podgorica, January 2022); assistant designer
- Preliminary Design of the Underpass 1 TREBALJEVINA, Budva bypass, middle section, (CDS Project d.o.o. Podgorica, January 2022); assistant designer
- Preliminary Design of the Underpass 2 KULJAČE, Budva bypass, middle section, (CDS Project d.o.o. Podgorica, January 2022); assistant designer

Bridges - Test Load, Expert Reports, Elaborates and Inspection:

- Test Load and Elaborate of the Test Load – Test Design and Expert Report – of the Bridge MORAČICA (RC/PT Structure – $L=95+170+3*190+125=960\text{m}$), Highway Bar-Boljare, section Smokovac-Mateševo, (CRBC/Optimus Project d.o.o. Podgorica, August 2021 – January 2022); engineer of work team
- Test Load and Elaborate of the Test Load – Test Design and Expert Report – of the Bridge MIŠTICA - Left (RC/PT Structure – $L=21+5*26+21=172\text{m}$), Highway Bar-Boljare, section Smokovac-Mateševo, (CRBC/Optimus Project d.o.o. Podgorica, August 2021 – January 2022); engineer of work team
- Test Load and Elaborate of the Test Load – Test Design and Expert Report – of the Bridge MIŠTICA - Right (RC/PT Structure – $L=21+7*26+21=224\text{m}$), Highway Bar-Boljare, section Smokovac-Mateševo, (CRBC/Optimus Project d.o.o. Podgorica, August 2021 – January 2022); engineer of work team
- Test Load and Elaborate of the Test Load – Test Design and Expert Report – of the Bridge RAMP 1 (RC/PT Structure – $L=22+3*28+22=128\text{m}$), Highway Bar-Boljare, section Smokovac-Mateševo, (CRBC/Optimus Project d.o.o. Podgorica, August 2021 – January 2022); engineer of work team
- Test Load and Elaborate of the Test Load – Test Design and Expert Report – of the Bridge RAMP 2 MV1 (RC/PT Structure – $L=2*21+3*26+3*21=183\text{m}$), Highway Bar-Boljare, section Smokovac-Mateševo, (CRBC/Optimus Project d.o.o. Podgorica, August 2021 – January 2022); engineer of work team
- Test Load and Elaborate of the Test Load – Test Design and Expert Report – of the Bridge RAMP 2 MV2 (RC/PT Structure – $L=22+4*28+22=156\text{m}$), Highway Bar-Boljare, section Smokovac-Mateševo, (CRBC/Optimus Project d.o.o. Podgorica, August 2021 – January 2022); engineer of work team
- Test Load and Elaborate of the Test Load – Test Design and Expert Report – of the Bridge RAMP 3 (RC/PT Structure – $L=9*20=180\text{m}$), Highway Bar-Boljare, section Smokovac-Mateševo, (CRBC/Optimus Project d.o.o. Podgorica, August 2021 – January 2022); engineer of work team
- Test Load and Elaborate of the Test Load – Test Design and Expert Report – of the Bridge RAMP 4 (RC/PT Structure – $L=22+3*28+22=128\text{m}$), Highway Bar-Boljare, section Smokovac-Mateševo, (CRBC/Optimus Project d.o.o. Podgorica, August 2021 – January 2022); engineer of work team
- Test Load and Elaborate of the Test Load – Test Design and Expert Report – of the Bridge ZAGRAĐE- Left (RC/PT Structure – $L=22+2*28+22=100\text{m}$), Highway Bar-Boljare, section Smokovac-Mateševo, (CRBC/Optimus Project d.o.o. Podgorica, August 2021 – January 2022); engineer of work team
- Test Load and Elaborate of the Test Load – Test Design and Expert Report – of the Bridge ZAGRAĐE - Right (RC/PT Structure – $L=21+4*26+21=146\text{m}$), Highway Bar-Boljare, section Smokovac-Mateševo, (CRBC/Optimus Project d.o.o. Podgorica, August 2021 – January 2022); engineer of work team

Bridges - Test Load, Expert Reports, Elaborates and Inspection: (cont.)

- Test Load and Elaborate of the Test Load – Test Design and Expert Report – of the Bridge PODOVI (RC/PT Structure – $L=21+5*26+21=172\text{m}$), Highway Bar-Boljare, section Smokovac-Mateševo, (CRBC/Optimus Project d.o.o. Podgorica, August 2021 – January 2022); engineer of work team
- Test Load and Elaborate of the Test Load – Test Design and Expert Report – of the Bridge ČESTOGAZ - Left (RC/PT Structure – $L=21+2*26+21=94\text{m}$), Highway Bar-Boljare, section Smokovac-Mateševo, (CRBC/Optimus Project d.o.o. Podgorica, August 2021 – January 2022); engineer of work team
- Test Load and Elaborate of the Test Load – Test Design and Expert Report – of the Bridge ČESTOGAZ - Right (RC/PT Structure – $L=21+2*26+21=94\text{m}$), Highway Bar-Boljare, section Smokovac-Mateševo", (CRBC/Optimus Project d.o.o. Podgorica, August 2021 – January 2022); engineer of work team

- Test Load and Elaborate of the Test Load – Test Design and Expert Report – of the Bridge UVAČ 1 - Left (RC/PT Structure – $L=24+8*30+24=288\text{m}$), Highway Bar-Boljare, section Smokovac-Matešev, (CRBC/Optimus Project d.o.o. Podgorica, August 2021 – January 2022); engineer of work team
- Test Load and Elaborate of the Test Load – Test Design and Expert Report – of the Bridge UVAČ 1 - Right (RC/PT Structure – $L=24+10*30+24=348\text{m}$), Highway Bar-Boljare, section Smokovac-Matešev, (CRBC/Optimus Project d.o.o. Podgorica, August 2021 – January 2022); engineer of work team
- Test Load and Elaborate of the Test Load – Test Design and Expert Report – of the Bridge UVAČ 2 - Left (RC/PT Structure – $L=4*40=160\text{m}$), Highway Bar-Boljare, section Smokovac-Matešev, (CRBC/Optimus Project d.o.o. Podgorica, August 2021 – January 2022); engineer of work team
- Test Load and Elaborate of the Test Load – Test Design and Expert Report – of the Bridge UVAČ 2 - Right (RC/PT Structure – $L=4*40=160\text{m}$), Highway Bar-Boljare, section Smokovac-Matešev, (CRBC/Optimus Project d.o.o. Podgorica, August 2021 – January 2022); engineer of work team
- Test Load and Elaborate of the Test Load – Test Design and Expert Report – of the Bridge UVAČ 3 - Left (RC/PT Structure – $L=21+4*26+21=146\text{m}$), Highway Bar-Boljare, section Smokovac-Matešev, (CRBC/Optimus Project d.o.o. Podgorica, August 2021 – January 2022); engineer of work team
- Test Load and Elaborate of the Test Load – Test Design and Expert Report – of the Bridge UVAČ 3 - Right (RC/PT Structure – $L=21+2*26+21=94\text{m}$), Highway Bar-Boljare, section Smokovac-Matešev, (CRBC/Optimus Project d.o.o. Podgorica, August 2021 – January 2022); engineer of work team
- Test Load and Elaborate of the Test Load – Test Design and Expert Report – of the Bridge UVAČ 4 - Left 1 (RC/PT Structure – $L=21+2*26+21=94\text{m}$), Highway Bar-Boljare, section Smokovac-Matešev, (CRBC/Optimus Project d.o.o. Podgorica, August 2021 – January 2022); engineer of work team

Bridges - Test Load, Expert Reports, Elaborates and Inspection: (cont.)

- Test Load and Elaborate of the Test Load – Test Design and Expert Report – of the Bridge UVAČ 4 - Left 2 (RC/PT Structure – $L=35+47+4*45+6*45+4*45+40=752\text{m}$), Highway Bar-Boljare, section Smokovac-Matešev, (CRBC/Optimus Project d.o.o. Podgorica, August 2021 – January 2022); engineer of work team
- Test Load and Elaborate of the Test Load – Test Design and Expert Report – of the Bridge UVAČ 4 - Right (RC/PT Structure – $L=40+6*45+8*45+4*45+40=890\text{m}$), Highway Bar-Boljare, section Smokovac-Matešev, (CRBC/Optimus Project d.o.o. Podgorica, August 2021 – January 2022); engineer of work team
- Test Load and Elaborate of the Test Load – Test Design and Expert Report – of the Bridge PAJKOV VIR - Left (RC/PT Structure – $L=21+2*26+21=94\text{m}$), Highway Bar-Boljare, section Smokovac-Matešev, (CRBC/Optimus Project d.o.o. Podgorica, August 2021 – January 2022); engineer of work team
- Test Load and Elaborate of the Test Load – Test Design and Expert Report – of the Bridge PAJKOV VIR - Right (RC/PT Structure – $L=21+3*26+21=120\text{m}$), Highway Bar-Boljare, section Smokovac-Matešev, (CRBC/Optimus Project d.o.o. Podgorica, August 2021 – January 2022); engineer of work team
- Test Load and Elaborate of the Test Load – Test Design and Expert Report – of the Bridge PRESLO (RC/PT Structure – $L=21+26+21=68\text{m}$), Highway Bar-Boljare, section Smokovac-Matešev, (CRBC/Optimus Project d.o.o. Podgorica, August 2021 – January 2022); engineer of work team
- Test Load and Elaborate of the Test Load – Test Design and Expert Report – of the Bridge JABUKA - Left 1 (RC/PT Structure – $L=22+28+22=72\text{m}$), Highway Bar-Boljare, section Smokovac-Matešev, (CRBC/Optimus Project d.o.o. Podgorica, August 2021 – January 2022); engineer of work team
- Test Load and Elaborate of the Test Load – Test Design and Expert Report – of the Bridge JABUKA - Left 2 (RC/PT Structure – $L=24+9*28+25+25+8*28+24=574\text{m}$), Highway Bar-Boljare, section Smokovac-Matešev, (CRBC/Optimus Project d.o.o. Podgorica, August 2021 – January 2022); engineer of work team
- Test Load and Elaborate of the Test Load – Test Design and Expert Report – of the Bridge JABUKA - Right (RC/PT Structure – $L=24+6*28+24+24+5*28+23+24+5*28+24+24+5*28+24=779\text{m}$), Highway Bar-Boljare, section Smokovac-Matešev, (CRBC/Optimus Project d.o.o. Podgorica, August 2021 – January 2022); engineer of work team
- Test Load and Elaborate of the Test Load – Test Design and Expert Report – of the Bridge TARA 1 - Left (RC/PT Structure – $L=28+2*34+42+2*34+28=234\text{m}$), Highway Bar-Boljare, section Smokovac-Matešev, (CRBC/Optimus Project d.o.o. Podgorica, August 2021 – January 2022); engineer of work team

■ Test Load and Elaborate of the Test Load – Test Design and Expert Report – of the Bridge TARA 1 - Right (RC/PT Structure – $L=28+2*34+42+2*34+28=234\text{m}$), Highway Bar-Boljare, section Smokovac-Matešev, (CRBC/Optimus Project d.o.o. Podgorica, August 2021 – January 2022); engineer of work team

Bridges - Test Load, Expert Reports, Elaborates and Inspection: (cont.)

■ Test Load and Elaborate of the Test Load – Test Design and Expert Report – of the Bridge TARA 2 - Left (RC/PT Structure – $L=22+8*28+22+22+5*28+22=452\text{m}$), Highway Bar-Boljare, section Smokovac-Matešev, (CRBC/Optimus Project d.o.o. Podgorica, August 2021 – January 2022); engineer of work team

■ Test Load and Elaborate of the Test Load – Test Design and Expert Report – of the Bridge TARA 2 - Right (RC/PT Structure – $L=22+6*28+22+22+5*28+22=396\text{m}$), Highway Bar-Boljare, section Smokovac-Matešev, (CRBC/Optimus Project d.o.o. Podgorica, August 2021 – January 2022); engineer of work team

■ Test Load and Elaborate of the Test Load – Test Design and Expert Report – of the Bridge ČVOR MATEŠEVO 1 (RC/PT Structure – $L=34\text{m}$), Highway Bar-Boljare, section Smokovac-Matešev, (CRBC/Optimus Project d.o.o. Podgorica, August 2021 – January 2022); engineer of work team

■ Test Load and Elaborate of the Test Load – Test Design and Expert Report – of the Bridge ČVOR MATEŠEVO 2 (RC/PT Structure – $L=24+4*32+24=176\text{m}$), Highway Bar-Boljare, section Smokovac-Matešev, (CRBC/Optimus Project d.o.o. Podgorica, August 2021 – January 2022); engineer of work team