PERSONAL INFORMATION

Jovan Furtula

Miladina Vujoševica 126, 81000 Podgorica, Crna Gora

+382 69 245 322 +382 67 013 789

furtulajovan@ucg.ac.me , furtulajovan@gmail.com,

https://www.ucg.ac.me/radnik/901127

Skype Jovan Furtula Viber & WhatsApp +38269245322

Sex male | Date of birth 13/05/1991 | Nationality Montenegrin citizenship

WORK EXPERIENCE

2022 - present — Teaching Assistant

University of Montenegro (UoM) [www.ucg.ac.me]
Faculty of Civil Engineering (FCE) [www.gf.ac.me]
Podgorica, Montenegro

- Teaching Assistant in courses from the domain of: Concrete structures, Masonry structures (Faculty of Civil Engineering and Faculty of Architecture
- Scientific-research and engineering activities

2017 - 2022 — Structural engineer and executive officer

Optimus Project ltd [www.optimusproject.me]
Podgorica, Montenegro

- Design of buildings and bridges

2013 - 2017 — Structural engineer

Frame Project ltd
Podgorica, Montenegro

- Design of buildings and bridges

2013 - 2014 — Teaching Assistant

University of Montenegro (UoM) [www.ucg.ac.me]
Faculty of Civil Engineering (FCE) [www.gf.ac.me]
Podgorica, Montenegro

- Teaching Assistant in courses from the domain of: Concrete structures

EDUCATION AND TRAINING

2022 - present — PhD (Dr – Doctor) — EQF level 8

Faculty of Civil Engineering, University of Montenegro (Montenegro)

- Specialisation: Concrete structures with FRP reinforcement, concrete structures with steel reinforcement, precast structures, seismic response of structures
- Structure: 5 courses/exams+ PhD Thesis (6 semesters)
- PhD Thesis:

2013 - 2017 — MSc (Mr – Magistar) — EQF level 7

Faculty of Civil Engineering, University of Montenegro (Montenegro)

- Specialisation: Seismic response of structures
- Structure: 5 courses/exams + MSc Thesis (2 semesters)
- MSc Thesis: Reinforced concrete walls designed in shear according to the Eurocode 8

2012 - 2013

Spec sci (Specialist of science)

EQF level 7

Faculty of Civil Engineering, University of Montenegro (Montenegro)

- Specialisation: Structures
- Structure: 10 courses/exams + Specialist theses (2 semesters)
- Specialist theses: Design of reinforced concrete building according to the Eurocode 8, with special attention to the primary and secondary seismic elements concept

2009 - 2012

BSc (Bachelor of science)

EQF level 6

Faculty of Civil Engineering, University of Montenegro (Montenegro)

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

PERSONAL SKILLS

Mother tongue(s): Serbian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1(28/30)	C1 (28/30)	B2	C2(22/30)	B2(19/30)
	Toefl IBM- Podgorica – University of Mediteran.				
Rusian	C1	C1	B2	B2	B2
	Institute for Foreign Languages - Podgorica – University of Montenegro.				

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

Commnication skills: Good communication skills gained through teaching experience

Organisational / managerial skills: Managerial/organisational experience as:
- Head of engineering design teams - responsible design engineer
- CEO at Optimus Project

Computer skills:
- excellent command of Microsoft Office™ tools
- good command of structural design software like Tower™, SAP 2000™, ETABS™, CSI BRIDGE™, SAFE™, MIDAS™, PERFORM 3D™, XTRACT™, PHASE2™, GEO5™,
- good command of software like AUTOCAD™, ARMCAD™, METALSTUDIO™,

Other skills: Tennis, soccer, literature, gardening

Driving licence: B, C

ADDITIONAL INFORMATION

Honours and awards:

Award of the Faculty of Civil Engineering for the best student, 2010/11

Award "December 19" of the Municipality Podgorica for the best student from the Faculty of Civil Engineering, 2012

Award of the University of Montenegro for the best student of the Faculty of Civil Engineering, 2012/13

Memberships

Professional organisations and associations:

- Engineering Chamber of Montenegro (IKCG)

Publications (Conference papers)

International conferences:

- ***Furtula J., Baša N., Bojović V., Ognjenović D., Ulićević M.: "Design of the Drenovštica Bridge on the Bypass around Budva ", Association of Structural Engineers of Serbia - 17th congress, Vrnjacka Banja, Serbia, September 2024.***
- ***Baša N., Furtula J., Bojović V., Ognjenović D.: "Examination of the bridge Moračica by test load ", Association of Structural Engineers of Serbia - 17th congress, Vrnjacka Banja, Serbia, September 2024.***
- ***Iliodromitis A., Đurović R., Furtula J., Nikolić G., Pagounis V.: "Geomatic data for treatment of historic bridges. The case study of the Ribnica bridge in Podgorica, The 16th International conference on Contemporary Theory and Practice in Construction XVI, Banja Luka, Republika Srpska, Jun 2024.***
- ***Baša N., Furtula J.: "Seismic analysis of precast reinforced concrete frame structures", The 9th international conference "civil engineering - scinence and practice", Kolašin, Montenegro, March 2024.***
- ***Nikola Baša, Jovan Furtula, Vasilije Bojović, Darko Ognjenović, Radovan Đurović: Ispitivanje mostova probnim opterećenjem na Autoputu Bar-Boljare, Društvo građevinskih konstruktera Srbije, Aranđelovac, septembar 2022***
- ***Jovan Furtula: Design with Eurocodes – sharing experience from Montenegro, Eurocode Balkan Summer School, 5-16 July 2021***

Main Engineering projects (Professional experience)

Residential and business buildings:

The main design of the Administration building of Football Association of Montenegro, Podgorica, with total area of approximately 3600m², associate, 2013.
The main design of the Residential and commercial building in the Podgorica, with total area of approximately 7500 m², associate, 2013
Preliminary and Main design of the tourist resort - Dobrota, in Dobrota, 11000 m^2, designer, 2014-2015
The main design of Villa F5, F6, F7, LUSTICA PENINSULA, Tivat – Montenegro, 4200 m^2, designer, 2014.
The main design of "Aura tower" residential building, Rafailovići, Budva – Montenegro, 7098m^2, responsible designer, 2019
The main design of "Lastva park" residential buildings, Donja Lastva, Tivat – Montenegro, 9000m^2, responsible designer, 2020-2022
The main design of "Lustica zone I", Montenegro, cca 10000m^2, responsible designer, 2021–2022
The main design of "Crvena glavica hotel H1", Montenegro, cca 15000m^2, responsible designer, 2021–2022
The main design of "Lustica zone K", Montenegro, cca 8500m^2, responsible designer, 2022–2023

Industrial facilities:

The main design of the reconstruction of the gas station "Petrovac", Petrovac – Montenegro, responsible designer, 2019
The main design of the reconstruction of the gas station "Mojkovac", Mojkovac – Montenegro, responsible designer, 2019
The preliminary design of the reconstruction of storage terminal of oil and petroleum derivatives in the port of Bar, responsible designer, 2020
The main design of the structure of the ZAH2 transmission line pillar 12m high, designer, 2020
The study of the current situation with the proposal of sanitary measures at the Škver port in Herceg Novi, part of the expert team, 2021
The main design of the gas station "Berane", Berane – Montenegro, responsible designer, 2021
The main design of the steel hall "Lamex", Danilovgrad – Montenegro, cca1000m^2, responsible designer, 2021

Bridges – Design:

*The main design of bridges Djuricev laz (RC/PT Structure – Left Bridge L=22+11*28+22=352m – Right Bridge L=22+10*28+22=324m), on the highway Bar - Boljare, section 2.2., designer,2016.*
*The main design of bridges Ratkov laz (RC/PT Structure – Left Bridge L=22+11*28+22=352m – Right Bridge L=22+10*28+22=324m), on the highway Bar - Boljare, section 2.2., designer,2016.*
*The main design of bridges Lutovo (RC/PT Structure – Left Bridge L=22+6*28+22=212m – Right Bridge L=22+3*28+22=128m), on the highway Bar - Boljare, section 2.2., designer, 2016.*
*The main design of the interchange Pelev brijeg (RC/PT Structure – L=22+2*28+22=100m), on the highway Bar - Boljare, designer, 2016.*
The main design of the overpass Kisjelica (RC/PT Structure – L=26+26=52m), on the highway Bar - Boljare, designer, 2016.
The main design of the cable stayed bridge on the river Moraca, (RC/PT Structure – L=75+75=150m), on the southeastern bypass in Podgorica, designer, 2018.
The main design of the RC culvert at Radulići ,5m width, in Bijelo Polje, responsible designer, 2019.
The main design of the RC integral bridge on the river Bogaz ,8m long, in Bijelo Polje, responsible designer, 2019.
The main design of the RC integral bridge on the river Bistrica, 27m long, in Bijelo Polje, responsible designer, 2020.
The main design of the test load and maintenance of the RC integral bridge on the river Bistrica, 27m long, in Bijelo Polje, responsible designer, 2020.
The preliminary design of bridges Drenovštica, 656 and 709 m long, on the Budva bypass, middle section, responsible designer, 2021.
The preliminary design of bridges Vještica, 252 and 297 m long, on the Budva bypass, middle section, responsible designer, 2021.
The preliminary design of bridges Budva, 252m long, at the Budva interchange, on the Budva bypass, middle section, responsible designer, 2021.
The preliminary design of the ramps 23 and 24, 156m and 100m long at the Budva interchange, on the Budva bypass, middle section, responsible designer,2021. The preliminary design of the overpass 1, 32.4m long, on the Budva bypass, middle section, responsible designer,2021.
The main design of bridge at the interchange – at the chainage km 1+736.39 (RC Structure – L=6.38+12+6.38=24.76m), on the highway E-75 Belgrade – Niš (interchange Požarevac) – Požarevac (bypass) – Veliko Gradište - Golubac, subsection 1., responsible designer, 2022 - 2023.
The main design of bridge over Jezava river (RC Structure – L=13+13=26m), on the highway E-75 Belgrade – Niš (interchange Požarevac) – Požarevac (bypass) – Veliko Gradište - Golubac, subsection 1., responsible designer, 2022 - 2023.
The main design of the bridge over channel regulation at the chainage km 13+729.64 (RC Structure – L=13.5m), on the highway E-75 Belgrade – Niš (interchange Požarevac) – Požarevac (bypass) – Veliko Gradište - Golubac, subsection 1., responsible designer, 2022 - 2023.
The main design of bridge over railway and road (RC Structure – L=24.55+24.55=49.1m), on the highway E-75 Belgrade – Niš (interchange Požarevac) – Požarevac (bypass) – Veliko Gradište - Golubac, subsection 1., responsible designer, 2022 - 2023.
The main design of arch bridge "Manastir Moraca" (RC Structure – L=86.6m), on the motorway M-2, km 99+303, designer, 2023
The main design of arch bridge "Zeleni" (RC Structure – L=28m), on the motorway R-2, km 00+072, designer, 2023

Main Engineering projects (Professional experience)

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=960m), 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=172m), 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=224m), 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=128m), 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=183m), 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=156m), 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=180m), 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=128m), 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=100m), 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=146m), 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 PODOVI (RC/PT Structure – L=21+5*26+21=172m), Highway Bar-Boljare, section Smokovac-Mateševo"*, (CRBC/Optimus Project d.o.o. Podgorica, August 2021 – January 2022); chief engineer

*"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=94m), 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=94m), Highway Bar-Boljare, section Smokovac-Mateševo"*, (CRBC/Optimus Project d.o.o. Podgorica, August 2021 – January 2022); chief engineer

*"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=288m), 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 - Right (RC/PT Structure – L=24+10*30+24=348m), 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 2 - Left (RC/PT Structure – L=4*40=160m), 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 2 - Right (RC/PT Structure – L=4*40=160m), 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 3 - Left (RC/PT Structure – L=21+4*26+21=146m), 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 3 - Right (RC/PT Structure – L=21+2*26+21=94m), 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 4 – Left 1 (RC/PT Structure – L=21+2*26+21=94m), 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 4 – Left 2 (RC/PT Structure – L=35+47+4*45+6*45+4*45+40=752m), Highway Bar-Boljare, section Smokovac-Mateševo"*, (CRBC/Optimus Project d.o.o. Podgorica, August 2021 – January 2022); engineer of work team

Main Engineering projects (Professional experience)

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

*"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=890m), 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 PAJKOV VIR - Left (RC/PT Structure – L=21+2*26+21=94m), 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 PAJKOV VIR - Right (RC/PT Structure – L=21+3*26+21=120m), 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 PRESLO (RC/PT Structure – L=21+26+21=68m), 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 JABUKA - Left 1 (RC/PT Structure – L=22+28+22=72m), 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 JABUKA - Left 2 (RC/PT Structure – L=24+9*28+25+25+8*28+24=574m), 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 JABUKA - Right (RC/PTStructure – L=24+6*28+24+24+5*28+23+24+5*28+24+24+5*28+24=779m), 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 TARA 1 - Left (RC/PT Structure – L=28+2*34+42+2*34+28=234m), Highway Bar-Boljare, section Smokovac-Mateševo"*, (CRBC/OptimusProject 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=234m), Highway Bar-Boljare, section Smokovac-Mateševo"*, (CRBC/OptimusProject 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 - Left (RC/PT Structure – L=22+8*28+22+22+5*28+22=452m), 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 TARA 2 - Right (RC/PT Structure – L=22+6*28+22+22+5*28+22=396m), 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 ČVOR MATEŠEVO 1 (RC/PT Structure – L=34m), 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 ČVOR MATEŠEVO 2 (RC/PT Structure – L=24+4*32+24=176m), 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 LUČA over the RiverMorača (RC/PT Structure – L=75+75=150m), Southwest bypass around Podgorica - section II", (CDS Project d.o.o.Podgorica, June 2021); engineer of work team

"Expert Report of Inspection of Two Bridges in the Zone of Construction of the Highway Bar-Boljare sectionSmokovac-Mateševo, (RC Structure – L=14.5m – L=22.5+26+22.5=71m)", (Ministry of Capital Investments,October 2021); engineer of work team