


PERSONAL INFORMATION

Slobodan Živaljević



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Sex male | Date of birth 28 Feb 1979 | Nationality Montenegrin

WORK EXPERIENCE

2003 - 2017

Teaching Associate

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

- Teaching Assistant in courses from the domain of: Soil Mechanics, Foundation Engineering, Tunnels and Underground Structures, Transportation Tunnels, Hydro-technical structures, Geotechnics in Engineering. Co-supervisor of Final/Diploma student projects
- Scientific-research and engineering activities

EDUCATION AND TRAINING

2009 - 2015

PhD (Dr – Doctor)

EQF level 8

Faculty of Civil Engineering, University of Montenegro (Montenegro)

- Specialisation: Geotechnical engineering
- PhD Thesis: Relaxation components of time-dependent deformations of soft rock around a tunnel opening (extensive experimental and theoretical research, including creep test in duration of three years)

2003 - 2009

MSc (Mr – Magistar)

EQF level 7

Faculty of Civil Engineering, University of Belgrade (Serbia)

- Specialisation: Geotechnics
- Structure: 9 courses/exams (4 semesters) + MSc Thesis
- MSc Thesis: Slope stabilization using piles

1997 - 2003

BSc (Dipl.Ing)

EQF level 6

Faculty of Civil Engineering, University of Montenegro (Montenegro)

- Specialisation: Structures
- Structure: 34 courses/exams (8+1 semesters) + Final/Diploma project (1 semester)
- Final/Diploma project: Analysis of the stress-strain state around the circular tunnel opening at the stress-dependent elastic moduli

PERSONAL SKILLS

Mother tongue(s)

Montenegrin / Serbo-Croatian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
German	A2	A2	A2	A2	A2

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

- Communication skills**
- Good communication skills gained through teaching experience, through participation in numerous conferences (national and international), as well as through participation in university exchange programmes that enabled me to live for a few months in different countries, in different national, cultural and religious surroundings.
 - Good ability to adapt to new environment and to cooperate with new people.

- Computer skills**
- AutoCAD, ArchiCad, Photoshop, Tower, ArmCad, MS Office, Phase2, Flac,
 - Slide, programming languages PASCAL, BASIC

- Other skills**
- Professional skills:
- familiar with structural engineering laboratory techniques and methods,
 - rich experience in experimental testing of structures and materials.

Driving licence B

ADDITIONAL INFORMATION

Memberships *Professional organisations and associations:*

- Engineering Chamber of Montenegro (IKCG)
- International Tunnel Association (ITA) Montenegro

- Scientific-research projects**
- *Project name: Geotechnical laboratory set-up (2010). Position: Project Associate. Project Manager: prof. Radomir Zejak, PhD. Project status: completed. Outcome: equipment for soil properties testing has been provided, approx. value EUR 60 000.*
 - *Project name: Analysis of the time-dependent deformations of soft rock (2011). Position: Associate at scientific research project. Project Manager: prof. Zvonko Tomanovic, PhD. Project duration: three years. Project status: completed.*

Publications
(journal and monograph papers;
invited lectures/papers)

Papers in international journals (SCI/SCIE list):

- Zivaljevic, S. and Tomanovic, Z. (2015). "Experimental research of the effects of preconsolidation on the time-dependent deformations—creep of marl." *Mechanics of Time-Dependent Materials*, Volume 19, Number 1, 43-59., 10.1007/s11043-014-9250-8
- Z. Tomanovic, B. Miladinovic, S. Zivaljevic (2014) , "Criteria for defining the required duration of a creep test", *Canadian Geotechnical Journal*, 10.1139/cgj-2014-0097
- JANUSZ KOZUBAL, ZVONKO TOMANOVIC, SLOBODAN ZIVALJEVIC (2016), *The soft rock socketed monopile with creep effects – a reliability approach based on wavelet neural networks*, *Archives of Mining Sciences, Polish Academy of Sciences Committee of Mining*, Vol. 61 (2016) , No 3.,p. 571–585, DOI 10.1515/amsc-2016-0041, <http://archiwum.img-pan.krakow.pl/index.php/AMS/article/view/837/705>

Papers in journals with regular international distribution:

- Ratomir Zivaljevic, Radenko Pejovic, Slobodan Zivaljevic, *Limiting factors for utilization of the remaining technically feasible hydropower potential of montenegro and projected key hydropower concepts*, *AJNTS The Albanian journal of natural and technical sciences*, 2006., November ,pp. 191-204,ISSN 2074-0867.
- Ratomir Zivaljevic, Slobodan Zivaljevic, *State of utilization of the hydropower potential of Montenegro with the existing hydropower plants*, *Bulagua 1/2007,Journal of Bulgarian Water Association (BWA)*, 2007, pp.41-51, ISSN 1312-3912.

Publications
(conference papers)

International conferences:

- Zvonko Tomanovic, Slobodan Živaljević, Predrag Markovic, ANALYSIS OF IMPACT OF THE FOUNDATION RIGIDITY ON THE STATIC LOAD IN THE MIXED STRUCTURAL SYSTEM BUILDING, Geotechnical Aspects of Civil Engineering, Kopaonik, October 24-27, 2005., pp. 93-100
- Slobodan Živaljević, Dam construction-induced seismicity, international Scientific Conference: Civil Engineering – Science and Practice, Zabljak, February 20-24 2006., pp.399-404.
- Slobodan Živaljević, Micko Radulovic, Milos Knezevic, Mladen Gogic & Zvonko Tomanovic, RECONSTRUCTION OF THE BUDVA-BAR HIGHWAY - SUPPORTING STRUCTURES, Proc. of the 2th symposium of Macedonian association for geotechnics, Ohrid, Macedonia, 29-30 June 2006., pp.111-118
- Ratomir Živaljević, Radenko Pejovic, Slobodan Živaljević, LIMITING FACTORS FOR UTILIZATION OF THE REMAINING TECHNICALLY FEASIBLE HYDROPOWER POTENTIAL OF MONTENEGRO AND PROJECTED KEY HYDROPOWER CONCEPTS, The Albanian journal of natural and technical sciences, November 2006., pp. 191-204.
- Živaljević Slobodan, Tomanovic Zvonko, Gogic Mladen, Soskic Milovan, Radulovic Nikola, OVERVIEW OF TECHNOLOGY OF CONTEMPORARY TUNNEL BORING MACHINES (TBM), Proc. of the 12th international symposium of Macedonian association of structural engineers, Struga, Macedonia, 2007.
- Moslavac Darko, Jovanovski Milorad, Zafirovski Zlatko, Živaljević Slobodan, AN APPROACH IN ANALYSES AND SUPPORT OF UNSTABLE BLOCK AT THE ZONE OF NEW TUNNELS FOR POWER HOUSE OF "MATKA" DAM, Proc. of the 12th international symposium of Macedonian association of structural engineers, Struga, Macedonia, 2007.
- Živaljević Slobodan, Tomanovic Zvonko, Radulovic Nikola, IMPACT OF THE PILE CAP RIGIDITY ON DISTRIBUTION OF FORCES ON PILES, International Scientific Conference : Civil Engineering – Science and Practice, Zabljak, March 3-7 2008., pp.399-404., pp. 187-192
- Aleksic S., Živaljević S.: SEISMIC RESPONSE OF STEEL FRAME STRUCTURES, The 14th World Conference on Earthquake Engineering – 14 WCEE, Beijing, 12-17 October 2008., P193.
- Živaljević Slobodan, SLOPE STABILISATION USING PILES, Master's Thesis, Faculty of Civil Engineering, University of Belgrade, 2009.
- Tomanovic Z., Živaljević S., REHABILITATION OF THE LANDSLIDE "POVIJA" ON THE RAILWAY NIKSIC-PODGORICA, Geotechnical Aspects of Civil Engineering, Association of Civil Engineers and Technicians of Serbia and Montenegro, Zlatibor, October 20-23, 2009, pp. 239-244
- Tomanovic Zvonko, Živaljević Slobodan, FOUNDATION OF PIERS OF MARINA "PORTO MONTENEGRO" IN TIVTU, Internacional Scientific Conference : Civil Engineering – Science and Practice, Zabljak, February 15-19 2010., pp. 1635-1640
- Zv. Tomanovic, Sl. Živaljević, DESIGN OF PIT EXCAVATION SUPPORT FOR BUILDING IN TOPLA, HERCEG NOVI, Proc. of the 3th symposium of Macedonian association for geotechnics, Struga, Macedonia, 24-26 June, 2010., pp.429-434.
- Živaljević S., Tomanovic Z., OPTIMISATION OF THE BORED PILE SUPPORT STRUCTURE OF THE FOUNDATION PIT, Geotechnical Aspects of Civil Engineering, Association of Civil Engineers and Technicians of Serbia and Montenegro, Zlatibor, November 1-3 November 2011., pp. 255-260
- Tomanovic Zvonko, Živaljević Slobodan, DESIGN OF SUPPORT SYSTEM OF THE EXISTING FOUNDATION AND PROTECTION OF THE FOUNDATION PIT FOR THE HOTEL "HILTON" IN PODGORICA, Civil Engineering – Science and Practice, Zabljak, February 20-24 2012., pp. 2149-2156.
- Mirjana Vukicevic, Slobodan Živaljević, Sanja Jockovic, REHABILITATION OF LANDSLIDE ON LOCATION PAPRIKOVAC NEAR BANJALUKA, International Scientific Conference : Civil Engineering – Science and Practice, Zabljak, February 20-24 2012, pp. 2157-2164.
- Živaljević Slobodan, OVERVIEW OF METHODS OF STABILITY CALCULATION OF SLOPES REINFORCED WITH PILES, International Scientific Conference : Civil Engineering – Science and Practice, Zabljak, February 20-24 2012, pp. 2181-2188.
- Slobodan Živaljević, Zvonko Tomanović, Borko Milainović, Creep behaviour of a layered soft rock around the tunnel opening, XVI Danube-European Conference on Geotechnical Engineering, Skopje, 2018., <https://doi.org/10.1002/cepa.812>.

Engineering projects (professional experience)

- Main design of Tunnel „Kljuc“ on the road Kolasin – Matesevo (length:300m) , 2005, executed.
- Main design of culverts and retaining walls on the road Kolasin – Matesevo, 2005, executed.
- Design of retaining walls at reconstruction of the road Budva – Bar – construction of a new climbing lane on sections: Rafailovici, Pržno, Petrovac and Kufin, 2005, executed.
- Rehabilitation of landslide „Smokovac“ on the local road „Velja luka – Begova Luka“ – Podgorica, 2006, ongoing implementation
- Rehabilitation of unstable slope on the local road Podgorica - Rogame near the bridge on River Zeta, Main Structural Design, 2006, ongoing implementation.
- Preliminary Design of rehabilitation of landslide „Povija“ on the railway Podgorica – Niksic , 2006, ongoing implementation.
- Reconstruction of business premises in Karadjordjeva ulica 5, Podgorica, Main Design, executed.
- Preliminary Design of the support structures on the highway Bar - Uvac, 2008, ongoing implementation.
- Rehabilitation of slope along the bank of River Zeta , Spuz – Main Design, 2009, executed.
- Temporary grit settling basin ,Tivat, Main Design, 2009,executed.
- Porto Montenegro – Main Design of Pier 4 – part of structures of hydro-building systems,2010, executed.
- Porto Montenegro – Main Design of Pier 3 – part of structure of hydro-building systems, 2010, executed.
- Porto Montenegro – Main Design of City Quay – part of structures of hydro-building systems,2010, executed.
- Preliminary Design of rehabilitation of landslide "Zagorak" on the main road Niksic-Podgorica, 2010, executed.
- Railway line Surt – Benghazi from km 1186+000 to km 1196+200 and road
- bridge on the cross with the line on km 1024+029, Main Design - Culverts design, 2010.
- Main Design of protection of foundation pit for Hotel "Oliva" in Petrovac, Detailed Regulation Plan „Petrovac-wide zone“ within block B9 on lot 20, Municipality of Budva,2010, executed .
- Main Design of protection of foundation pit for Hotel „Hilton Podgorica – Montenegro“, 2011, ongoing Implementation
- Amendments of the Main Structural Design, Part: Foundation of the residential settlement „Skaljari“ - phase 1 –bay 1, 2012, ongoing implementation.
- Main Design of protection of foundation pit for Gradski Hotel Podgorica, ul. Njegoseva, 2012, executed.
- Railway Niksic-Podgorica – As-built Design of tunnel no.10, 2012.
- Railway Niksic-Podgorica – As-built Design of tunnel no.12, 2012.
- Main Design of rehabilitation of landslide "Dobrota" KP 1982 Dobrota – Kotor,2012, ongoing implementation.
- By-pass of Kotor, running from Dobrota to Ljuta, Main Design of support structures,2012.
- Main Construction Design of rehabilitation of landslide on the road Podgorica-Radovce, location "Gornji Crnci" at
- turn for the village "Stijena",2012, ongoing implementation .
- Marina with promenade on location UP5 and L2 within the scope of the state study of location "Sector 36" (Rt
- Kociste-Brajanovica) Lustica, Montenegro, 2013, ongoing implementation.
- Main Design of reconstruction of main road in the zone of a border crossing Bozaj – structures on the road route –support structures, 2013, executed.
- Detailed design of protection of foundation pit for construction of the residential building in Becici, lot 1022/1,2013, executed.
- Main construction design of protection of foundation pit for construction o "BOUTIQUE HOTELA BUDVA" – block 1B within the scope of Detailed Regulation Plan „Budva centar“, as amended, 2013, ongoing implementation.
- Main Design of a new quay wall on UP-09 Porto Montenegro –Tivat, 2013, executed.
- Golf course "Lustica bay" – Main Design of supporting walls, 2013, ongoing implementation.
- Reconstruction of city quay "Pine" on lot 4888 and parts of lots 4886, 4887 and 4889, cadaster unit Tivat, part A –foundation, 2013, executed.
- Design of protection of foundation pit for administration building of Port of Kotor JSC, Kotor, town plan 17, lot 5,cadaster unit Kotor and part of lot 4, cadaster unit Kotor and state study of location, sector 15, St. Matthias -mouth of river Skudra ,2013, executed.
- Preliminary Design of rehabilitation measures for landslide in Baosici , KP 726/1. Cadaster unit Baosici, Herceg Novi.
- Main Design of support structures for land development around residential-commercial buildings, bay 3, bay 4 and by 5 in Skaljari, 2013, ongoing implementation.
- Marina Porto Montenegro – extension of Terminal 1, Terminal Bs and Terminal F – part of structures, 2013,ongoing implementation.
- Marina Porto Montenegro – extension of Terminal 3, Terminal Pn and Terminal – part of structures, 2013, ongoing implementation.
- Porto Montenegro –Main Design of reconstruction of Terminal GATA4, part of structures, 2013, ongoing implementation.
- Main Design of rehabilitation of landslide "Janik", 2013, ongoing implementation.
- Main Design of rehabilitation of landslide "Brestica", 2013, ongoing implementation.
- Main Design of protection of the foundation pit for the commercial building – hotel, Detailed Regulation Plan Tivatcenter,block B, lot.6 – Tivat, 2013, ongoing implementation.
- Main Design of rehabilitation of landslide "Markovići", Markovići, Budva,2015, ongoing implementation
- Main design of excavation pit protection for mixed purpose building in scope of Detailed regulation plan „Podkošljun“ , within block 2, on lot 2, Municipality Budva,2016, executed.
- Main design of excavation pit protection for mixed purpose building in scope of Detailed regulation plan "Bečići", Urb.unit 41.1 ,cadaster.unit KO Bečići lot. 885 Municipality Budva,2017, executed.