

PERSONAL INFORMATION

Nina Serdar



Slovačka, 81000 Podgorica Montenegro



ninas@ac.me



Replace with type of IM service

Sex female | Date of birth 27/09/1981 | Nationality Montenegrin

WORK EXPERIENCE

2006-present

Assistant Lecturer

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

- Assistant Lecturer in courses from the domain of: Materials, Concrete Structures and Bridges (Faculty of Civil Engineering and Faculty of Architecture)
- Co-supervisor of Final/Diploma student projects
- Scientific-research and engineering activities

Business or sector Replace with type of business or sector

EDUCATION AND TRAINING

2006-2009

MSc (Mr – Magistar)

EQF level 7

Faculty of Civil Engineering (FCE), Montenegro

- MSc Thesis: Parametric and comparative analysis of Eurocode 1 and Eurocode 8 for traffic and earthquake loads on roadway bridges to current Montenegrin regulations

2000-2006

BSc (Dipl.Ing)

EQF level 6

Faculty of Civil Engineering (FCE), Montenegro

- Specialisation: Structures
- Structure: 42 courses/exams (9 semesters) + Final/Diploma project (1 semester)
- Final/Diploma project: Preliminary designs of viaducts in Lukavci on the high-speed roadway Herceg Novi-Bar

PERSONAL SKILLS

Mother tongue(s)

Montenegrin

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1

Levels: A1/A2: Basic user - B1/B2: Independent user - C1/C2 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) ▪ Good skills in team work gained through participating in numerous engineering and scientific projects performed in teams
Organisational / managerial skills	▪ Leadership/managerial/organisational experience as: - Head of engineering design teams - responsible and/or principal design engineer, - Head of supervising teams in construction process
Computer skills	▪ excellent command of Microsoft Office™ tools ▪ good command of AutoCAD™ and structural design software like SAP 2000™, ETABS, Rad Impex™, SeismoStruct.
Other skills	Professional skills: ▪ familiar with structural engineering laboratory techniques and methods, ▪ solid experience in experimental testing of structures and materials. ▪ Rich experience in design of structures
Driving licence	B

ADDITIONAL INFORMATION

Honours and awards	▪ Award "19 December" of Municipality of Podgorica for the best student of the Faculty of Civil Engineering, University of Montenegro, 1992 ▪ Awarded student for excellent results by Faculty of Civil Engineering, University of Montenegro (2002-2006) ▪ Student of generation in elementary and high school; diploma "Luča I"
Memberships	<i>Professional organisations and associations:</i> ▪ Engineering Chamber of Montenegro (IKCG) ▪ Montenegrin Association for Earthquake Engineering (CAZI) <i>Professional bodies:</i> ▪ Member of Working Team for elaboration of Technical Rules for Concrete Structures, Ministry of Sustainable Development and Tourism of Montenegro, 2016 ▪ Member of Expert Team for translation of EN 1992-1-1 and elaboration of its Annex with Nationally Determined Parameters, Engineering Chamber of Montenegro (IKCG) and Institute for Standardisation of Montenegro (ISME), 2016 ▪ Member of Expert Team for translation of EN 1996-1-1 and elaboration of its Annex with Nationally Determined Parameters, Engineering Chamber of Montenegro (IKCG) and Institute for Standardisation of Montenegro (ISME), 2016 ▪ Member of Expert Team for translation of EN 1996-3 and elaboration of its Annex with Nationally Determined Parameters, Engineering Chamber of Montenegro (IKCG) and Institute for Standardisation of Montenegro (ISME), 2016 ▪ Member of Expert Team for translation of EN 1998-3 and elaboration of its Annex with Nationally Determined Parameters, Engineering Chamber of Montenegro (IKCG) and Institute for Standardisation of Montenegro (ISME), 2016 ▪ Member of Expert Team for translation of EN 1998-3 and elaboration of its Annex with Nationally Determined Parameters, Engineering Chamber of Montenegro (IKCG) and Institute for Standardisation of Montenegro (ISME), 2016 ▪ Member of Working Group for translation and elaboration of annexes of standard EN 1991, Institute for Standardisation of Montenegro (ISME), 2013-2016

Study/research/teaching mobility

- University of Architecture, Civil Engineering and Geodesy, Sofia-BSc Student, CEEPUS program, 2005
- University Federico II- Naples, STSM (Short Term Scientific Mission), COST ACTION TU 1406, 2016

Scientific-research projects

- "Decrease of seismic risk for masonry objects"- Ministry of Science of Montenegro, 2013-2016
- Static and dynamic behaviour of concrete dam HE Piva, FCE, 2008

Papers in international journals (SCI/SCIE list):

- **Serdar, N.**, Ulićević, M., Janković, S. (2017): Influence of horizontal curvature radius and bent skew angle on seismic response of RC bridges. *Gradevinar*, 69(02.). doi:10.14256/JCE.1508.2015

Papers in journals with regular international distribution:

- Pejović, R., Pejović, J., **Serdar, N.** (2015): Effect of prestressing on plastic behaviour of reinforced concrete frame, *Procedia Engineering*, (2015), vol. 117, ISSN 1877-7058, str. 580-587.
- **Serdar, N.**, Folić, R. (2016): Comparative analysis of modal responses for reinforced concrete (RC) straight and curved bridges, *Procedia Engineering*, (2016), vol. 156 ISSN 1877-7058, str. 403-410.
- Radovanović, Ž., Sindić Grebović, R., Dimovska, S., **Serdar, N.**, Vatin, N. and Murgul, V., (2015.): Testing of the mechanical properties of masonry walls—Determination of compressive strength. In *Applied Mechanics and Materials* (Vol. 725, pp. 410-418). Trans Tech Publications. Vancouver
- **Nina N. Serdar**, Jelena R. Pejović (2016): Comparison of seismic response for two RC curved bridges with different column shapes, *World Academy of Science, Engineering and Technology, International Journal of Civil and Environmental Engineering* Vol:3, No:4, 2016
- Radovanović, Ž., Sindić, R., Dimovska, S., **Serdar, N.**, Murgul, V. (2015): The mechanical properties of masonry walls - Analysis of the test results, *Procedia Engineering*, (2015), vol. 117 ISSN 1877-7058, str. 865-873.
- Pejović, J., **Serdar, N.** (2016). "Performance-Based Seismic Methodology and Its Application in Seismic Design of Reinforced Concrete Structures." *World Academy of Science, Engineering and Technology, International Journal of Civil, Environmental, Structural, Construction and Architectural Engineering* 10.4 (2016): 467-471.

Publications (conference papers):

- Serdar, N., Janković, S. (2014): Performance –based seismic assessment of continuous concrete bridge with lack of confining reinforcement, *Secod European Conference on Earthquake Engineering and Seismology*, Istanbul 2014.
- Pejović R., Mrdak R., Pejović J., **Serdar N.** (2009): „Seismic analysis of high arc dam Mratinje“, BE 40 CE the Banja Luka 40 years of earthquake, Institute of earthquake engineering, Banja Luka, Republic of Srpska, BiH, 2009.
- Pejović, R., Mrdak, R., Pejović, J., **Serdar, N.** (2010): Seizmička analiza visoke brane Mratinje, GNP 2010 treći Internacionalni naučno-stručni skup građevinarstvo- nauka i praksa, Zbornik radova, ISBN 978-86-82707-18-9 (knjiga 1), str. 517-522, Univerzitet Crne Gore, Građevinski fakultet u Podgorici, Žabljak 2010.
- Pejović, R., Blagojević, J., Pejović, J., **Serdar, N.**: Reconstruction of bridge on regional road Murino-Plav-Gusinje, Osmo naučno stručno savjetovanje: Ocjena stanja, održavanje i sanacija građevinskih objekata i naselja, Savez građevinskih inženjera Srbije.
- **Serdar, N.**, Pejović, J., Pejović, R. (2014): Optimizacija debljine ploče kod PN mosta polumontažnog sistema gradnje“, GNP 2014 peti Internacionalni naučno-stručni skup građevinarstvo- nauka i praksa, Zbornik radova
- **Serdar, N.**, Janković, S. (2014): Ocjena seizmičkog odgovora konstrukcije prednapregnutog betonskog mosta primjenom metode zasnovane na ponašanju, Četvrto Naučno-Stručno Međunarodno Savetovanje: Zemljotresno Inženjerstvo i Inženjerska Seizmologija, Borsko jezero, 19 - 22. maj 2014
- **Serdar, N.**, Pejović, J., Pejović, R. (2014): Non-linear dynamic and static analysis of six span RC box girder bridge with hollow piers: Discussion and comparison, NCEE 2014 - 10th U.S. National Conference on Earthquake Engineering: Frontiers of Earthquake Engineering- Network for Earthquake Engineering Simulation (distributor), (2014)
- **Serdar, N.**, Pejović, J., Janković, S. (2015): Influence Of Ground Motion Selection Methods On predicting Of Seismic Response Of Rc Curved Bridge, iNDiS 2015 -Planiranje, Projektovanje, Građenje i Obnova Graditeljstva, str 172-183 UDK: 624.042.7
- Radovanović, Ž., Sindić Grebović, R., **Serdar, N.** (2014): Examination of Mechanical Properties of Masonry Walls, GNP 2014 peti Internacionalni naučno-stručni skup građevinarstvo- nauka i praksa, Zbornik radova
- Radovanović, Ž., **Serdar, N.**, Sindić Grebović, R. (2013): Plan ispitivanja mehaničkih svojstava zidanih zidova“, Međunarodna konferencija o zemljotresnom inženjerstvu, Banja Luka, april 2013
- Radovanović, Ž., Pejović, J., **Serdar, N.** (2008): “Rehabilitation and strengthening church Saint Nikola“, 11th International RILEM Symposium on site assessment of concrete, masonry and timber structures SACoMaTiS, Lake Como, (2008), Vol 2: 995-1001;

Engineering projects
(professional experience)

- Sanacija crkve „Sveti Nikola” u Prčnju, Kotor, maj 2007.
- Sanacija crkve „Sveti Ilija” u Zagori – Izvođački projekat, avgust 2007.
- Sanacija crkve „Sveti vrači Kuzma i Damjan” Muo, Kotor – Izvođački projekat i projekat postojećeg stanja, septembar 2007.
- Glavni projekat konstrukcije rekonstrukcije Hotela Šavnik, Građevinski fakultet Podgorica, april 2008.
- Glavni projekat konstrukcije stambeno objekta u Bečićima, maj 2007.
- Glavni projekat konstrukcije salona namještaja u Podgorici – Donja Gorica, april 2007.
- Glavni projekat konstrukcije poslovnog objekta u Podgorici, Stari aerodrom, jun 2007.
- Glavni projekat konstrukcije stambeno-turističkog naselja, Brežani, Bar, oktobar 2007.
- Glavni projekat konstrukcije zgrade Fakulteta Političkih Nauka, Farmacije i Instituta za strane jezike, maj 2008.
- Glavni projekat konstrukcije stambeno-poslovnog objekta Zagoric u Podgorici, avgust 2011.
- Glavni projekat konstrukcije zgrade za tehnički pregled – Lovćen osiguranje u Podgorici, jul 2011.
- Glavni projekat konstrukcije nadogradnje zgrade SDK za potrebe tužilaštva u Kotoru, april 2012.
- Glavni projekat konstrukcije stambeno-poslovnog objekta u Petrovcu, avgust 2013.
- Glavni projekat rekonstrukcije mosta Brezojevice Plav, oktobar 2012.
- Glavni projekat rekonstrukcije mosta preko rijeke Lim na putu Zorice-Krusevo u Andrijevici, septembar 2014.
- Glavni projekat pješačkog mosta preko rijeke Ribnice u Podgorici, maj 2014.
- Glavni projekat mosta preko rijeke Ljuboviđe, na lokalnom putu Ravna rijeka - Jasikovac u opštini Bijelo Polje, decembar 2015