


## PERSONAL INFORMATION

### Milivoje Rogač



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Sex male | Date of birth 22 November 1982 | Nationality Montenegrin

## WORK EXPERIENCE

2022 – present

### Associate Professor

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

- Member of the Committee for doctoral studies at the UoM
- Professor of courses from the domain of Technical mechanics and theory of structures (Faculty of Civil Engineering and Faculty of Architecture)
- Scientific-research and engineering activities

2017 - 2022

### Assistant Professor

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

- Vice Dean for Education of the FCE UoM (2017-2019)
- Head of the Laboratory for testing construction materials and structures of the FCE UoM (2017-2019)
- President of the Commission for Master Studies at the FCE UoM (2017-2019)
- Representative of the FCE in the Council of Technical and Natural Sciences of the UoM Senate (2017-2019)
- Professor of courses from the domain of Technical mechanics and theory of structures (Faculty of Civil Engineering and Faculty of Architecture)
- Scientific-research and engineering activities

2006 - 2017

### Teaching Assistant

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

- Acting Vice Dean for Education of the FCE UoM (2016-2017)
- Head of the Laboratory for testing construction materials and structures of the FCE UoM (2016-2017)
- Teaching Assistant in courses from the domain of Technical mechanics and theory of structures (Faculty of Civil Engineering and Faculty of Architecture)
- Scientific-research and engineering activities

## EDUCATION AND TRAINING

- 2008 - 2015 **PhD (Dr – Doctor)** EQF level 8  
 Faculty of Civil Engineering, University of Montenegro (Montenegro)
- Specialisation: Technical mechanics and theory of structures, Steel structures
  - Structure: 5 courses/exams (2 semesters) + PhD Thesis (4 semesters)
  - PhD Thesis: Theoretical and experimental research of stability problem of thin-walled I-girders subjected to patch loading
- 2006 - 2007 **MSc (Mr – Magistar)** EQF level 7  
 Faculty of Civil Engineering, University of Montenegro (Montenegro)
- Specialisation: Technical mechanics and theory of structures, Steel structures
  - MSc Thesis: Analysis of load and design of structure according to Eurocode 1 and Eurocode 3 at the example of an industrial hall
- 1999 - 2005 **BSc (Dipl.Ing)** EQF level 6  
 Faculty of Civil Engineering, University of Montenegro (Montenegro)
- Specialisation: Structures
  - Structure: 43 courses/exams (9 semesters) + Final/Diploma project (1 semester)
  - Final/Diploma project: Design of a industrial hall structure

## PERSONAL SKILLS

Mother tongue(s) Montenegrin / Serbian

Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	B2	B2	B2
Russian	C1	C1	C1	C1	C1

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 national and international conferences, as well as through participation in university exchange programmes.

**Organisational / managerial skills** ▪ Leadership/managerial/organisational experience as:

- Vice Dean for Education of the FCE UoM (2017-2019),
- Head of the Laboratory for testing construction materials and structures of the FCE (2017-19),
- President of the Commission for Master Studies at the FCE UoM (2017-2019).

**Computer skills**

- Microsoft Office,
- AutoCAD,
- Tower,
- Abaqus,
- Tekla Structures,
- SAP 2000.

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

**Driving licence** B

## ADDITIONAL INFORMATION

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**Honours and awards**

- Award "Dr Vladimir Stanković" for the best MSc Thesis in 2007, Faculty of Civil Engineering, University of Montenegro, 2007.

**Study/research/teaching mobility**

- Универзитет „Св. Кирил и Методиј“, Скопје, Македонија; CEEPUS exchange programme – visiting student ; February 2007,
- Slovenská technická univerzita (STU v Bratislave), Bratislava, Slovenská republika; CEEPUS exchange programme – visiting student; February 2008,
- Vysoké učení technické (VUT v Brně), Brno, Česká Republika; CEEPUS exchange programme – visiting student ; January 2010.

**Scientific-research projects**

- "Thin-walled steel girders in contemporary structures", Ministry of Science of Montenegro, 2012 – 2015.

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

### *Papers in international journals (SCI/SCIE list):*

- Rogač M, Aleksić S, Lučić D: Influence of patch load length on resistance of I-girders. Part-I: Experimental research, Journal of Constructional Steel Research, Vol.175, December 2020, <https://doi.org/10.1016/j.jcsr.2020.106369>
- Rogač M, Aleksić S, Lučić D: Influence of patch load length on resistance of I-girders. Part-II: Numerical research, Journal of Constructional Steel Research, Vol.176, January 2021, <https://doi.org/10.1016/j.jcsr.2020.106388>
- Aleksić S., Rogač M., Lučić D.: Analysis of locally loaded steel plate girders Model for patch load resistance, Journal of Constructional Steel Research, 2013; 89:153-164, p. 153-164. ISSN 0143-974X,
- Rogač M., Mijušković O., Lučić D, Aleksić S.: Analysis of flange impact on critical patch load of thin-walled I-girder, Journal of the Croatian Association of Civil Engineers - Građevinar, 66-4/2014; p. 311-321. ISSN (printed) 0350-2465, ISSN (eletronic) 1333-9095.

### *Papers in journals with regular distribution:*

- Cvetkovska M., Knežević M., Rogač M.: THERMAL INSULATION EFFECTS ON ENERGY EFFICIENCY OF BUILDING STRUCTURES, Civil Engineering Forum, Yogyakarta, Indonesia, 2012, p.1209-1216. ISSN 0854-1116 (print) ISSN 2089-5631 (online),
- Rogač M., Knežević M., Cvetkovska M.: PLASTIC ANALYSIS OF STEEL FRAME STRUCTURE, Civil Engineering Forum, Yogyakarta, Indonesia, 2012, p.1217-1226. ISSN 0854-1116 (print) ISSN 2089-5631 (online),
- Rogač M., Lučić D.: Analiza hladno oblikovanih otvorenih tankozidnih elemenata – proračun rožnjače, Tehnika – časopis Saveza inženjera i tehničara Srbije, Beograd, 2013, p. 23-33. ISSN 0040-2176.

### Monograph papers:

- Lučić D., Šćepanović B, Aleksić S, Mijušković O, Knežević M, Rogač M: "Patch Loading Researches at the University of Montenegro 1991-2016", Contemporary problems of Theory of Structures - Monograph dedicated to professor Đorđe Vuksanović, 2016, p.193-206, ISBN:978- 86-86363-69-5.
- Aleksić, S., Rogač, M., Lučić, D.: Eksperimentalno istraživanje i model za proračun nosivosti lokalno opterećenih punih limenih elemenata, *Teorija građevinskih konstrukcija*, Građevinski fakultet Univerziteta u Beogradu, Građevinski fakultet Univerziteta Crne Gore, Akademija inženjerskih nauka Srbije, Beograd 2019, pp. 171-186, ISBN 978-86-7518-208-5.
- Lučić, D., Marković, N., Šćepanović, B., Aleksić, S., Rogač, M., Mijušković, O., Gil-Martin, L.M., Hernandez-Montes, E., Knežević, M., Kovačević, S., Rakočević, M., Žugić, Lj., Đukić, M., Čalić, D.: Patch loading researches at the University of Montenegro, *Researches 2020*, University of Montenegro, Podgorica 2021, pp. 53-72, ISBN 978-86-7664-198-7.
- Rogač, M., Aleksić, S., Lučić, D.: Experimental research of patch loaded I-girder, *Researches 2020*, University of Montenegro, Podgorica 2021, pp. 157-166, ISBN 978-86-7664-198-7.

### Publications (conference papers)

- Rogač M.: Projekat čelične konstrukcije industrijske hale, Internacionalni naučno-stručni skup "Građevinarstvo - nauka i praksa", GNP 2006, Žabljak, 2006. god., Knjiga 1, str. 207-212. ISBN 86-82707-12-8
- Lučić D., Aleksić S., Rogač M., Šćepanović B.: Pedestrian Bridge over River Morača in Podgorica, The 12th International Symposium of MASE, Struga, 2007, Vol. 2, p.459-464. ISBN 9989-9785-1-7
- Rogač M.: Analiza opterećenja i proračun konstrukcije prema EVROKODU 1 i EVROKODU 3 na primjeru jedne industrijske hale, Drugi internacionalni naučno-stručni skup Građevinarstvo - nauka i praksa, GNP 2008, Žabljak, 2008. god., Knjiga 1, str. 319-324. ISBN 978-86-82707-14-1
- Rogač M.: Wind load design for the steel hall according to EC1, The 13th International Symposium of MASE, Ohrid, 2009, Vol.2, p.467-472. ISBN 9989-9785-1-7
- Aleksić S., Lučić D., Rogač M.: Idejni projekat spregnutog mosta Krkor na autoputu Bar-Boljare, The 3rd International Conference "Civil Engineering – Science and Practice", GNP 2010, Žabljak, 2010, Vol. 1, p. 215-220. ISBN 978-86-82707-18-9
- Aleksić S., Rogač M.: Idejno rješenje mosta preko rijeke Moračice na autoputu Bar-Boljare, The 3rd International Conference "Civil Engineering – Science and Practice", GNP 2010, Žabljak, 2010, Vol. 1, p. 221-226. ISBN 978-86-82707-18-9
- Šćepanović B., Pejović R., Đukić M., Rogač M.: Idejni projekat mosta Moračica, Varijanta 2, Treći internacionalni naučno stručni skup "Građevinarstvo – nauka i praksa", GNP 2010, Žabljak, 2010. god., Knjiga 1, str.419-424. ISBN 978-86-82707-18-9
- Aleksić S., Lučić D., Šćepanović B., Rogač M.: Granična nosivost tankozidnih I-nosača – Eksperimentalno istraživanje, 13. Kongres DGKS, Zlatibor, 2010. god., str. 187-192. ISBN 978-86-85073-09-0
- Aleksić S., Rogač M.: Idejno rješenje drumskog mosta na ukrštanju sa prugom Surt-Benghazi u Libiji, 13. Kongres DGKS, Zlatibor, 2010. god., str. 163-168. ISBN 978-86-85073-09-0
- Aleksić S., Rogač M., Muhadinović M., Jevrić M.: Steel in aseismic design, The 14th International Symposium of MASE, Struga, 2011, Vol.1, p.179-184. ISBN 9989-9785-1-8.
- Aleksić S., Rogač M., Jevrić M., Muhadinović M.: Seismic resistance of welded connections in steel frames, The 14th International Symposium of MASE, Struga, 2011, Vol.2, p.277-282. ISBN 9989-9785-1-8.
- Aleksić S., Rogač M., Jevrić M., Muhadinović M.: Duktilnost zavarenih veza greda-stub kod krutih čeličnih ramova, Četvrti internacionalni naučno stručni skup "Građevinarstvo – nauka i praksa", GNP 2012, Žabljak, 2012. god., str.635-642. ISBN 978-86-82707-21-9.
- Aleksić S., Rogač M., Muhadinović M., Jevrić M.: Čelik u specifičnim uslovima opterećivanja, Četvrti internacionalni naučno stručni skup "Građevinarstvo – nauka i praksa", GNP 2012, Žabljak, 2012. god., str.627-634. ISBN 978-86-82707-21-9.
- Aleksić S., Rogač M.: Moment resisting steel frames – seismic response, Četvrti internacionalni naučno stručni skup "Građevinarstvo – nauka i praksa", GNP 2012, Žabljak, 2012. god., str.11-18. ISBN 978-86-82707-21-9.
- Aleksić S., Rogač M.: Patch load and thin walled I-girders – Analysis of the ultimate load, 8th International Scientific Technical Conference CONTEMPORARY THEORY AND PRACTICE IN BUILDING DEVELOPMENT, Banja Luka, 2012, p.289-299. ISBN 978-99955-630-7-3.

- Lučić D., Jevrić M., Muhadinović M., Rogač M., Aleksić S., Šćepanović B.: Experimental and theoretical analysis of carrying capacity of roof truss girder diagonals, 14. Kongres DGKS, VRNJAKA BANJA, 2012. god., str. 197-202. ISBN 978-86-85073-15-1.
- Aleksić S., Lučić D., Rogač M.: Failure analysis of roof structures "VEKTRA JAKIĆ" Pljevlja, 12. Međunarodna naučna konferencija INDIS 2012, Novi Sad, 2012, p.184-191. ISBN 978-86-7892-452-1.
- Rogač M., Lučić D., Pejović R., Mijušković O., Đukić M.: Ultimate bearing capacity of thin-walled open beam member subjected to bending force and torsion, 12. Međunarodna naučna konferencija INDIS 2012, Novi Sad, 2012, p.88-95. ISBN 978-86-7892-452-1
- Rogač M., Lučić D., Pejović R., Mijušković O., Đukić M.: Ultimate bearing capacity of thin-walled open beam member subjected to bending force and warping torsion, 12. Međunarodna naučna konferencija INDIS 2012, Novi Sad, 2012, p.80-87. ISBN 978-86-7892-452-1
- Đukić M., Rogač M., Lučić D.: Analysis of maximum eccentricity for crane wheel load, on open thin walled crane girder, 12. Međunarodna naučna konferencija INDIS 2012, Novi Sad, 2012, p.24-32. ISBN 978-86-7892-452-1
- Aleksić S., Rogač M., Pejović R., Knežević M.: Road bridge over the river Cijevna - Podgorica, 9th International Scientific Technical Conference CONTEMPORARY THEORY AND PRACTICE IN BUILDING DEVELOPMENT, Banja Luka, 2013, p.469-477. ISBN 978-99955-630-8-0.
- Rogač M., Đukić M., Lučić D., Aleksić S.: Analysis of the ultimate gravity load capacity of steel frame structure, The 15th International Symposium of MASE, Struga, 2013, p.55-56. ISBN 9989-9785-1-9.
- Đukić M., Rogač M., Lučić D., Pejović R., Šćepanović B.: Ultimate bearing capacity analysis of crane girder – theoretical and practical approach to problem solving, The 15th International Symposium of MASE, Struga, 2013, p.51-52. ISBN 9989-9785-1-9
- Rogač M., Aleksić S., Zejak R., Đukić M.: Komponentni materijali lameliranog sigurnosnog stakla, Peti internacionalni naučno stručni skup "Građevinarstvo – nauka i praksa", GNP 2014, Žabljak, 2014. god., str.1111-1118. ISBN 978-86-82707-23-3.
- Đukić M., Rogač M., Lučić D., Aleksić S., Jevrić M.: Metode teorijskih i eksperimentalnih analiza međuspratnih spregnutih konstrukcija sa profilisanim limom, Peti internacionalni naučno stručni skup "Građevinarstvo – nauka i praksa", GNP 2014, Žabljak, 2014. god., str.77-84. ISBN 978-86-82707-23-3.
- Milev S., Lučić D., Aleksić S., Rogač M.: Proračun kranskih staza – osvrt na standard EN 1993-6 i nacionalno definisane parametre, Peti internacionalni naučno stručni skup "Građevinarstvo - nauka i praksa", GNP 2014, Žabljak, 2014. god., str.1309-1316. ISBN 978-86-82707-23-3.
- Aleksić S., Rogač M.: Model za proračun nosivosti lokalno opterećenih čeličnih nosača, 10th International Scientific Technical Conference CONTEMPORARY THEORY AND PRACTICE IN BUILDING DEVELOPMENT, Banja Luka, 2014, p.253-261. ISBN 978-99955-630-9-7.
- Rogač M., Aleksić S.: Calculation of laminated glass panel, 10th International Scientific Technical Conference CONTEMPORARY THEORY AND PRACTICE IN BUILDING DEVELOPMENT, Banja Luka, 2014, p.471-480. ISBN 978-99955-630-9-7.
- Aleksić S., Rogač M., Đurović R.: Test loading of steel eaves - ACC Podgorica, 11th International Scientific Technical Conference CONTEMPORARY THEORY AND PRACTICE IN BUILDING DEVELOPMENT, Banja Luka, 2015, p.439-444. ISBN 978-99976-642-0-4.
- Rogač, M., Aleksić, S.: Influence of initial imperfections on ultimate strength of patch-loaded plate girders, The 7th International Conference "Civil Engineering - Science and Practice", GNP 2020, 10-14 March 2020, Kolašin, Montenegro, pp. 221-228. ISBN 978-86-82707-32-5.
- Rogač, M., Aleksić, S., Lučić D.: Testing of thin-walled I-girder subjected to patch loading, The 8th International Conference "Civil Engineering - Science and Practice", GNP 2022, 8-12 March 2022, Kolašin, Montenegro, pp. 35. ISBN 978-86-82707-35-6.