

PERSONAL INFORMATION

Marina Rakočević



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 marinara@ucg.me, marinarakocevic2013@gmail.com



 Viber

Sex female | Date of birth 18 August 1962 | Nationality Montenegrin

WORK EXPERIENCE

2018 - present

Full Professor

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

- Dean (since March 2019)
- Member of the Court of Honour of the UoM (ongoing)
- Professor of courses from the domain of Technical mechanics and theory of structures
- Supervisor of Final/Diploma student projects
- Scientific-research and engineering activities

2012 - 2018

Associate Professor

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

- Vice Dean for Academic Affairs of FCE UoM (2012 - 2013)
- Vice Dean for Finance Affairs of FCE UoM (2013 - 2015)
- Representative of the FCE in the Council of Technical and Natural Sciences of the UoM Senate (since 2012-2016)
- Head of the Laboratory for testing civil engineering materials and structures of the FCE UoM (2012-2016)
- Member of the Court of Honour of the UoM (since 2015, ongoing)
- Professor of courses from the domain of Technical mechanics and theory of structures
- Supervisor of Final/Diploma student projects
- Scientific-research and engineering activities

2006 - 2012

Assistant Professor

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

- Vice Dean for Academic Affairs of FCE UoM (since 2010)
- Head of the Laboratory for testing civil engineering materials and structures of the FCE UoM (since 2011)
- Professor of courses from the domain of Technical mechanics and theory of structures
- Supervisor of Final/Diploma student projects
- Scientific-research and engineering activities

1996 - 2006

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 Technical Mechanics and Theory of Structures
- Scientific-research and engineering activities

1985 - 1996 **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 Technical mechanics and theory of structures
- Scientific-research and engineering activities

EDUCATION AND TRAINING

2002 - 2005 **PhD (Dr – Doctor)**

EQF level 8

Faculty of Civil Engineering, University of Montenegro (Montenegro)

- Specialisation: Technical mechanics and theory of structures
- PhD Thesis: Static analysis of laminated composite plates using the Finite Element Method

1989 - 1996 **MSc (Mr – Magistar)**

EQF level 7

Faculty of Civil Engineering, University of Belgrade (Serbia)

- Specialisation: Technical mechanics and theory of structures
- Structure: 9 courses/exams (4 semesters) + MSc Thesis
- MSc Thesis: Comparative analysis for determination of buckling curves of steel beams with geometric and material imperfections

1980 - 1985 **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: The Design of a reinforced concrete manufacturing hall, Podgorica

PERSONAL SKILLS

Mother tongue(s) Montenegrin / Serbo-Croatian

Other language(s)

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2
Oxford center ILC Podgorica, EAQUALS & CEFR Levels					
Russian	A1	A1	A1	A1	A1

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)

Organisational / managerial skills	<ul style="list-style-type: none"> ▪ Leadership/managerial/organisational experience as: <ul style="list-style-type: none"> - Head of engineering design teams - responsible and/or principal design engineer, - Head of supervising teams in construction process, - Head of the Laboratory for testing civil engineering materials and structures of the FCE UoM (2012-2016). ▪ Managerial/organisational experience as: <ul style="list-style-type: none"> - Representative of the FCE in the Council of Technical and Natural Sciences of the UoM Senate (2012-2016), - Vice Dean for Academic Affairs of FCE UoM (2010-2013), - Vice Dean for Finance Affairs of FCE UoM (2013 - 2015), - Member of Organising Committee of International Conferences "Civil Engineering – Science , and Practice": GNP 2012, GNP 2014, GNP 2016.
Computer skills	<ul style="list-style-type: none"> ▪ excellent command of Microsoft Office™ tools, ▪ good command of AutoCAD™ and structural design software like SAP 2000™, Rad Impex™, ▪ excellent command of programming in FORTRAN language, ▪ good command of symbolic programming MATLAB.
Other skills	<p>Professional skills:</p> <ul style="list-style-type: none"> ▪ familiar with structural engineering laboratory techniques and methods, <p>Hobbies and interests:</p> <ul style="list-style-type: none"> ▪ swimming, ▪ music, ▪ reading, ▪ cooking.
Driving licence	B

ADDITIONAL INFORMATION

Honours and awards	<ul style="list-style-type: none"> ▪ Award "19 December" of Municipality of Titograd for the best student of the Faculty of Civil Engineering, University of Montenegro, 1981
Memberships	<p><i>Scientific/review/steering committees of scientific and professional conferences:</i></p> <ul style="list-style-type: none"> ▪ <i>The 6th International Conference "Civil Engineering - Science & Practice", GNP 2016, Žabljak, Montenegro, 2016. Scientific Committee.</i> <p><i>Professional organisations and associations:</i></p> <ul style="list-style-type: none"> ▪ Engineering Chamber of Montenegro (IKCG)
Study/research/teaching mobility	<ul style="list-style-type: none"> ▪ Универзитет „Св. Кирил и Методиј“, Скопје, Македонија; CEEPUS exchange programme – – visiting teacher; April 2014.
Scientific-research projects	<ul style="list-style-type: none"> ▪ <i>"Thin-walled steel girders in contemporary structures", Ministry of Science of Montenegro, 2012 – 2015</i> ▪ <i>"Numerical models for analysing behaviour of composite plates", Ministry of Education and Science, Montenegro, 2000 - 2001,</i> ▪ <i>"Ultimate bearing capacity of reinforced concrete, theme 6: Research and development of advancement methods for the calculation of stability and dynamic resistance RC construction, Research, Titograd, 1989-1991.</i> ▪ <i>"Development of prefabricated technology in Montenegro", "RSIZ za nauku" and "SOUR Lovćeninves", Titograd, 1985.</i>

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

Papers in international journals (SCI/SCIE list):

- Rakočević, M., Popović S.: "Calculation procedure for determining wind action from vortex-induced vibration with verification of fatigue strength of steel structures", Građevinar, 70(2018) 9, 2018. doi 10.14256/JCE.2125.2017, <http://casopis-gradjevinar.hr/assets/Uploads/JCE-70-2018-9-5-2125-EN.pdf>
- Rakočević M., Svetislav Popović: *BENDING ANALYSIS OF SIMPLY SUPPORTED RESTANGULAR LAMINATED COMPOSITE PLATES USING A NEW COMPUTATIONAL METHOD BASED ON LAYERWISE THEORY*, *Archive of Applied Mechanics*, 122, pp.202-218, 2017, Publisher: SPRINGER, ISSN: 0939-1533, doi:10.101007/s00419-017-1334-x <https://link.springer.com/article/10.1007/s00419-017-1334-x>
- Rakočević M., Popović S., Ivanišević M., "A computational method for laminated composite plates based on layerwise theory", *Composites Part B, Composites Part B*, vol. 122, 2017, p. 202-218, doi 10.1016/j.compositesb.2017.03.044, <http://www.sciencedirect.com/science/article/pii/S1359836817303438>
- Rakočević M.: "Stress in multi-layered composite plates", Građevinar, 57(2005)7,503-509, <http://www.casopis-gradjevinar.hr/assets/Uploads/JCE-57-2005-07-03.pdf>
- Rakočević M.: "Analysis of laminated composite plate", Građevinar, 63(2011)9/10,819-825, <http://www.casopis-gradjevinar.hr/hrv/clanak.aspx?s=201110&r=1&j=h>

Papers in journals with regular international distribution:

- Rakočević M.: "Postupci određivanja krivih izvijanja čeličnih štapova", Tehnika, No.9-10, 1996, p.7-12.
- Rakočević M, Ranković S: "Usporedna analiza postupaka za određivanje krivih izvijanja čeličnih štapova sa geometrijskim i materijalnim karakteristikama", Izgradnja, No.11, 1996, p.601-603.
Rakočević M: "Approximate procedure for calculation of shear stresses σ_{xy} and σ_{yz} ", *Journal of Applied Engineering Science*, pap.num.10(2012)1,219, p.37-42. http://issuu.com/iipp/docs/journal_of_applied_engineering_science_10_2012_1_j
- Rakočević M, Knežević M, Rutešić S, Ivanišević N, Stefanović B: "Construction technology and quality control of works on Atlas Capital Center", 63(2012), *Management*, ISSN 1820-0222, COBISS.SR-ID 112265484, <http://www.management.fon.rs>
- Ivanišević N, Rakočević M, Knežević M, Rutešić S, Stevanović S: "Quality Control of Construction Works on the Structure of Atlas Capital Center", *Technics Technologies Education Management*, pp.1571-1578, Vol.8, No.4, 2013, http://www.ttem.ba/pdf/ttem_8_4_web.pdf
- Predrag Petronijević, Nenad Ivanišević, Rakočević M., Dragan Arizanović: "Methods of calculating depreciation expenses of construction machinery", *Journal of Applied Engineering Science*, pap.num.10(2012)1,220, 43-48, http://issuu.com/iipp/docs/journal_of_applied_engineering_science_10_2012_1_j
- Usmanov R, Rakočević M, Murgul V, Vatin N: "Problems of Sub-Mountain Area Development Associated with Collapsing Loess Soils (case of Tajikistan)", *Applied Mechanics and Materials*, vol.633-634(2014), pp 927-931, doi 10.4028, <http://www.scientific.net/AMM.633-634.927>
- I.Mrdak, M.Rakočević, Lj.Žugić, R.Usmanov,V.Mrgul,N.Vatin: "Analysis of the Influence of Dinamic Properties of Structures on Seizmic Responce According to Montenegrin and European regulation", *Applied Mechanics and Materials*, vol.633-634(2014), pp 1069-1076, doi 10.4028, <http://www.scientific.net/AMM.633-634.1069>
- Rakočević M, Vatin N: "Bending of Laminated Composite Plates", *Applied Mechanics and Materials*, vol.725-726(2015), pp 667-673, doi 10.4028, <http://www.scientific.net/AMM.633-634.1069>

Monograph papers:

- Rakočević M: *BENDING OF LAMINATED COMPOSITE PLATES IN LAYERWISE THEORY*, chapter, book "Lamination", INTECH, Rijeka, Croatia, 2017, ISBN: 978-953-5269-9
- Rakočević M, Popović S: "Bending of simply supported rectangular layered plates", *Contemporary problems of Theory of Structures - Monograph dedicated to professor Đorđe Vuksanović*, 2016, p.25-36, ISBN:978-86-86363-69-5
- Rakočević M, Vuksanović Đ: "Analytical solution for layered composite rectangular plates", *Monograph on the occasion of 20th anniversary of the Faculty of Civil Engineering, University of Montenegro*, Podgorica, 2000, p.253-266.
- Rakočević M: "Methods for determining the curves of buckling of steel members", *Monograph on the occasion of 15th anniversary of the Faculty of Civil Engineering, University of Montenegro*, Podgorica, 1995, p.383-399.

Publications
(conference papers)

International and national conferences:

- Rakočević M.: "Određivanje karakterističkih tačaka krive \square kr polazeći od postupka Djalaly-a", XXII Jugoslovenski kongres Teorijske i Aplikacione Mehanike, 1997, Vrnjačka Banja.
- Rakočević M., Vuksanović Đ.: "Opšta teorija laminarnih ploča – analitičko rješenje za slobodno oslonjene ploče", Simpozijum o istraživanjima i primjeni savremenih dostignuća u našem građevinarstvu u oblasti materijala i konstrukcija, JUDIMK oktobar 2002, 125-130.
- Rakočević M., Vuksanović Đ.: "Kompozitne ploče sa delaminacijama - analitičko rješenje za slobodno oslonjene ploče", Simpozijum o istraživanjima i primjeni savremenih dostignuća u našem građevinarstvu u oblasti materijala i konstrukcija, JUDIMK oktobar 2002, 131-136.
- Rakočević M.: "Numerical example for determination of critical buckling force of RC members with geometrical imperfections", MAM 6th Symposium on theoretical and applied mechanics, Proceedings 2, pg.375-379, Struga, october 1998.
- Knežević M., Rakočević M., Mrdak R., Žugić-Zornija Lj., Gogić M., Perović D.: "Ekspertiza oštećenja i upotrebljivosti objekata i procjena vrijednosti objekata usljed eksplozije skladišta eksploziva u Nikšiću", Zbornik radova, Deseti Nacionalni, četvrti međunarodni skup INDIS 2006, Novi Sad 22-24 novembar 2006, 227-234.
- Rakočević M.: "Uticaj broja slojeva na promjenu ugiba i napona sendvič ploče", Drugi internacionalno-naučno-stručni skup Građevinarstvo - nauka i praksa, Zbornik radova, Knjiga 1, 03-07.marta 2008 Žabljak, 133-138.
- Rakočević M., Žižić T., Burić V., Mrdak I.: "Tehnologija izvođenja konstrukcije nadzemnog dijela kompleksa ACC", DGKS 13 Kongres, Zlatibor, Zbornik radnika, 22-24. Septembar 2010, 497-502.
- Rakočević M., Žižić T., Burić V., Mrdak I.: "Tehnologija izvođenja konstrukcije podzemnog dijela kompleksa ACC", DGKS 13 Kongres, Zlatibor, Zbornik radnika, 22-24. septembar 2010, 491-496.
- Rakočević M.: "Teorijski modeli slojevitih kompozitnih ploča", Treći internacionalno naučno-stručni skup Građevinarstvo - nauka i praksa, Zbornik radova, Knjiga 1, 15-19.februar 2010 Žabljak, 141-146.
- Prebiračević S., Rakočević M.: "Mjere zaštite na radu u građevinarstvu", Treći internacionalno-naučni skup Građevinarstvo - nauka i praksa, Zbornik radova, Knjiga 2, 15-19. Februar 2010 Žabljak, 1809-1812.
- Prebiračević S., Rakočević M., Žižić T.: "Primjena mjera zaštite na radu pri izgradnji stambeno - poslovnog objekta ACC u Podgorici", Treći internacionalni naučno-stručni skup Građevinarstvo - nauka i praksa, Zbornik radova, Knjiga 2, 15-19 Februar 2010 Žabljak, 1813-1818.
- Rakočević M.: "Health and safety measures on construction works", International scientific conference People, buildings and environment 2010, Krtiny, November 10-12, 2010, Czech Republic, Book 11, 269-275.
- Rakočević M.: "Aproksimativan postupak za proračun napona smicanja σ_{xz} i σ_{yz} ", Internacionalno naučno-stručni skup Građevinarstvo - nauka i praksa, 03-07. mart 2012.
- Radović V., Mrdak I., Rakočević M., Knežević M.: "Rekonstrukcija gornjeg stroja željezničke pruge Vrbica-Bar, dionica Trebaljevo-Kolašin", 12 međunarodna naučna konferencija INDIS 2012, Novi Sad, 28-30. novembar 2012., Zbornik radova, ISBN 978-86-7892-451-4, COBISS.CG-ID 275458567, 238-245.
- Rakočević M.: "Savijanje debelih i umjereno debelih slojevitih kompozitnih ploča", Međunarodna konferencija Savremena dostignuća u građevinarstvu, 24-25. april 2014., Zbornik radova Građevinskog fakulteta, 1119-1125. , Subotica, Srbija, <http://www.gf.uns.ac.rs/~zbornik/doc/ZR25.147.pdf>
- Rakočević M., M.Knežević, I.Mrdak, V.Radović: "Remont željezničke pruge Vrbica-Bar, Dionica Mijatovo Kolo (km 313+314) - Mojkovac (km 321+733)", V Internacionalni naučno-stručni skup Građevinarstvo - Nauka i praksa, Žabljak, 17-21. februara 2014.
- Rakočević M.: "Analysis of simply supported laminated composite plates using double trigonometric series", 16th International Symposium of Macedonian Association of Structural Engineers (MASE 2016), October 1-3, 2015, Ohrid, Macedonia.
- Rakočević M.: "Program ANSLACOP – Analytical solution of bending problem of layered composite plates", ICCS18- 18Th International Conference on Composite Structures, June 15-18, 2015, Lisbon, Portugal.

- Rakočević M.: "Analysis of influences at layered composite rectangular plates obtained using the program ANSLACOP", ICCS18- 18Th International Conference on Composite Structures, June 15-18, 2015, Lisbon, Portugal.
- Rakočević M., Mrdak I.: "Algoritam programa ANSLACOP – savijanej slojevitih kompozitnih ploča", Internacionalni naučno-stručni skup GNP, pp. 217-224, Žabljak, 7-11.03.2016. ISBN 978-86-82707-30-1, COBISS.CG-ID 29599504
- Rakočević M., Popović S.: PRIMJENA ANALITIČKOG RJEŠENJA U ANALIZI SLOJEVITIH KOMPOZITNIH PLOČA PRORAČUN ODVAJANJA VRTLOGA KOD VITKIH KONZOLNIH KONSTRUKCIJA PREMA EC1 METODAMA, Društvo građevinskih konstruktora Srbije, DGKS 2016, Simpozijum, st.537-546, Zlatibor, 15-17.09.2016., ISBN 978-86-7892-839-0
- Rakočević M., Popović S.: PRORAČUN ODVAJANJA VRTLOGA KOD VITKIH KONZOLNIH KONSTRUKCIJA PREMA EC1 METODAMA, Društvo građevinskih konstruktora Srbije, DGKS 2016, Simpozijum, Zlatibor, 15-17.09.2016., st.547-556, ISBN 978-86-7892-839-0
- Rakočević M., Popović S.: "Simply supported laminated composite plates with delamination", The Twenty-Fifth Annual International Conference on COMPOSITES/NANO ENGINEERING, ICCE-25, Rome, Italy, July 16-22, 2017.
- Rakočević M., "An influence of the number of layers and the thickness of plate on stress-strain state in a layerwise plate theory", Društvo građevinskih konstruktora Srbije - 15 kongres, Zlatibor 2018, Knjiga rezimea, 226.

Engineering projects
(professional experience)

Design, construction, expert Reports, technical reviews:

Over 50 references; structural design, review of structural design, supervision of construction, expert reports etc.