

**Univerzitet Crne Gore**  
**GRAĐEVINSKI FAKULTET**  
81000 Podgorica  
Džordža Vašingtona b.b.



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Žiro račun: 510-278-79  
530-13649-97

Podgorica, 17.04.2019.godine  
Broj: 659

**UNIVERZITET CRNE GORE**  
- Senatu -  
- Centru za doktorske studije -  
**PODGORICA**

U prilogu vam dostavljamo predloge Vijeća Građevinskog fakulteta Univerziteta Crne Gore, za imenovanje mentora, za studente doktorskih studija Građevinskog fakulteta mr Mirjanu Đukić i mr Ninu Nikolić.

S poštovanjem,

  
SEKRETAR FAKULTETA,  
Miro Božović, dipl.prav.

PRILOG:  
- Predlozi Vijeća  
- Reference predloženih mentora  
- Obrasci M

**UCCG**  
Univerzitet Crne Gore

UNIVERZITET CRNE GORE  
GRAĐEVINSKI FAKULTET  
PODGORICA

**KOMISIJI ZA DOKTORSKE STUDIJE I VIJEĆU  
GRAĐEVINSKOG FAKULTETA**

**Predmet:** *Molba za dodjelu mentora na doktorskim studijama*

Poštovani,

Molim Vas da mi, u skladu sa članom 29 Pravila doktorskih studija Univerziteta Crne Gore, odredite prof.dr. Biljanu Šćepanović, vanrednog profesora Građevinskog fakulteta Univerziteta Crne Gore, za mentora pri izradi doktorske disertacije iz oblasti aluminijumskih konstrukcija.

Budući da sam stipendista Ministarstva nauke u programu stipendiranja doktorskih istraživanja u Crnoj Gori, sa prof.dr. Šćepanović već sam saradivala tokom pripreme prijave za ovu stipendiju. Prof.dr. Šćepanović je u prijavi navedena kao potencijalni mentor mog dokorskog istraživanja, čiji plan je izložen u samoj prijavi.

Kao prilog dostavljam obrazac M sa pratećom dokumentacijom (CV i odluka o izboru u zvanje potencijalnog mentora) na dalje razmatranje.

U Podgorici,  
25.03.2019. godine

STUDENT

*Nina Nikolić*  
Mr Nina Nikolić

UNIVERZITET CRNE GORE GRAĐEVINSKI FAKULTET - PODGORICA			
Примљено: 29.03.2019.			
Фил.ш.	Број	Презиме	Влаштински
	532		

SA PRIJAVOM SAGLASAN  
POTENCIJALNI MENTOR

*Biljana Šćepanović*  
Prof.dr Biljana Šćepanović

Na osnovu člana 64. Statuta Univerziteta Crne Gore i člana 29. Pravila doktorskih studija, Vijeće Građevinskog fakulteta, na sjednici održanoj 15.04.2019. godine, utvrdilo je sljedeći

#### PREDLOG

Predlaže se Senatu Univerziteta Crne Gore da imenuje prof. dr Biljanu Šćepanović, vanrednog profesora Građevinskog fakulteta Univerziteta Crne Gore, za mentora za izradu doktorske disertacije mr Nine Nikolić, Spec. Sci građ., studenta Građevinskog fakulteta, studijski program Građevinarstvo, naučna oblast građevinarstvo, konstrukcije - aluminijumske konstrukcije.

#### Obrazloženje

Prof. dr Biljana Šćepanović, vanredni profesor Građevinskog fakulteta Univerziteta Crne Gore, ispunjava sve kriterijume za imenovanje mentora propisane članom 29. Pravila doktorskih studija Univerziteta Crne Gore.

Mr Nina Nikolić je stipendista Ministarstva nauke, u programu stipendiranja doktorskih istraživanja u Crnoj Gori, i već je ostvarila saradnju sa prof. dr Biljanom Šćepanović tokom pripreme prijave za stipendiju. Prof. dr Biljana Šćepanović je u prijavi navedena kao potencijalni mentor predmetnog dokorskog istraživanja, čiji plan je izložen u samoj prijavi.

Imajući u vidu prednje utvrđen je predlog kao u dispozitivu.


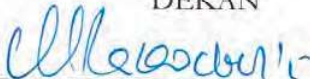
- VIJEĆE GRAĐEVINSKOG FAKULTETA U PODGORICI -

DEKAN,  
  
Prof. dr Marina Rakočević





**MENTORSTVO**

Kandidat: Ime i prezime		Nina Nikolić		
<b>PREDLOŽENI MENTOR/I</b>				
	Titula, ime i prezime	Ustanova i država	Naučna oblast	
Prvi mentor	Prof.dr Biljana Šćepanović	Univerzitet Crne Gore, Crna Gora	Građevinarstvo – konstrukcije	
Drugi mentor	/	/	/	
Sjednica Vijeća organizacione jedinice na kojoj je izvršeno predlaganje mentora			15.04.2019. god.	
<b>KOMPETENCIJE MENTORA</b> (pet objavljenih radova u relevantnim časopisima)				
Prvi mentor	1	Lučić D, Šćepanović B: "Experimental Investigation on Locally Pressed I-beams Subjected to Eccentric Patch Loading", Journal of Constructional Steel Research, 60(3-5), 2004, ISSN 0143-974X		
	2	Šćepanović B, Gil-Martín L.M, Hernández-Montes E, Aschheim M, Lučić D: "Ultimate Strength of I-Girders under Eccentric Patch Load: Derivation of a New Strength Reduction Coefficient", Engineering Structures, 31, 2009, ISSN 0141-0296		
	3	Gil-Martín L.M, Šćepanović B, Hernández-Montes E, Aschheim M, Lučić D: "Eccentrically Patch Loaded Steel I-Girders: Influence of Patch Length on Ultimate Strength", Journal of Constructional Steel Research, 66(5), 2010, ISSN 0143-974X		
	4	Šćepanović B, Knežević M, Lučić D: "Methods for determination of ultimate load of eccentrically patch loaded steel I-girders", Informes de la Construcción, 66(EXTRA 1, m018), 2014, ISSN-L: 0020-0883		
	5	Duričić Đ, Aleksić S, Šćepanović B, Lučić D: "Experimental, theoretical and numerical analysis of K-joint made of CHS aluminium profiles", Thin-Walled Structures, 119, 2017, ISSN: 0263-8231		
Drugi mentor	1			
	2			
	3			
	4			
	5			
<b>PODACI O MAGISTRANDIMA I DOKTORANDIMA</b>				
	Broj magistranada		Broj doktoranada	
	trenutno	ukupno	trenutno	ukupno
Prvi mentor	0	1	0	0
Drugi mentor				
<b>Datum i ovjera (pečat i potpis odgovorne osobe)</b>				
U Podgorici, 16.04.2019. godine				
		DEKAN 		



**Univerzitet Crne Gore**  
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www.ucg.me  
**University of Montenegro**

Ref. No. 03-3807

Output Date 08.12.2016

Na osnovu člana 72 stav 2 Zakona o visokom obrazovanju („Službeni list Crne Gore“ br. 44/14, 47/15, 40/16) i člana 32 stav 1 tačka 9 Statuta Univerziteta Crne Gore, Senat Univerziteta Crne Gore na sjednici održanoj 08. decembra 2016. godine, donio je

### **ODLUKU O IZBORU U ZVANJE**

**Dr Biljana Šćepanović bira se u akademsko zvanje vanredna profesorica Univerziteta Crne Gore za oblast Čelične, spregnute i drvene konstrukcije na Građevinskom fakultetu i na nematičnim fakultetima, na period od pet godina.**

**REKTOR**  
**Prof. Radmila Vojvodić**

УНИВЕРЗИТЕТ ЦРНЕ ГОРЕ  
ГРАЂЕВИНСКИ ФАКУЛТЕТ  
Службена 03-3807-2016  
2180



## PERSONAL INFORMATION

## Biljana Šćepanović



 Skopska 72a, 81000 Podgorica, Montenegro  
 +382 (0)69 068 960  +382 (0)67 134 131  
 [biljanas@ucg.ac.me](mailto:biljanas@ucg.ac.me), [biljazs38@gmail.com](mailto:biljazs38@gmail.com), [biljazs@t-com.me](mailto:biljazs@t-com.me)  
  
 Skype biljanascepanovic Viber & WhatsApp +382 69 068 960

Sex female | Date of birth 10 April 1973 | Nationality Montenegrin

## WORK EXPERIENCE

2016 - 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

- Head of the Office for Science and International Cooperation of the FCE UoM
- Head of the Civil Engineering Study Programme at the FCE UoM
- President of the Commission for Doctoral Studies at the FCE UoM (since 2017)
- Member of the Commission for Master Studies at the FCE UoM (since 2014)
- Representative of the FCE in the Council of Technical and Natural Sciences of the UoM Senate (2015-2017)
- Member of the Advisory Board for Doctoral Studies at the UoM
- Professor of courses from the domain of: Metal Structures, Steel Structures, Timber Structures and Special Structures (Faculty of Civil Engineering and Faculty of Architecture)
- Supervisor of Final/Diploma student projects; Supervisor of master theses
- Scientific-research and engineering activities

2011 - 2016

## 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 International Cooperation
- Head of the Office for Science and International Cooperation of the FCE UoM (since 2016)
- Head of the Civil Engineering Study Programme at the FCE UoM (since 2016)
- Member of the Commission for Master Studies at the FCE UoM (since 2014)
- Representative of the FCE in the Council of Technical and Natural Sciences of the UoM Senate (2015-2017)
- Member of the Advisory Board for Doctoral Studies at the UoM (since 2016)
- Professor of courses from the domain of: Metal Structures, Steel Structures and Timber Structures (Faculty of Civil Engineering and Faculty of Architecture)
- Supervisor of Final/Diploma student projects; Co-supervisor of master theses
- Scientific-research and engineering activities

2004 - 2011

## Assistant Lecturer

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

- Coordinator for International Cooperation of the FCE UoM (2010-2011)
- President of Association of Teaching Assistants and Assistant Lecturers of the UoM (2009 - 2011)
- Assistant Lecturer in courses from the domain of: Metal Structures, Steel Structures and Timber Structures (Faculty of Civil Engineering and Faculty of Architecture)
- Co-supervisor of Final/Diploma student projects
- Scientific-research and engineering activities

- 1996 - 2004 **Teaching Assistant**
- University of Montenegro (UoM) [www.ucg.ac.me]  
 Faculty of Civil Engineering (FCE) [www.gf.ucg.ac.me]  
 Podgorica, Montenegro
- Teaching Assistant in courses from the domain of: Metal Structures, Steel Structures and Timber Structures
  - Co-supervisor of Final/Diploma student projects
  - Scientific-research and engineering activities

**EDUCATION AND TRAINING**

- 2016 - 2017 **Postdoctorate**
- Faculty of Civil Engineering /E.T.S.I. de Caminos C. y P./, University of Granada (Spain)
- Specialisation: Steel structures, Aluminium structures, Timber structures
- 2006 - 2010 **PhD (Dr – Doctor)** EQF level 8
- Faculty of Civil Engineering, University of Montenegro (Montenegro)  
 & Faculty of Civil Engineering /E.T.S.I. de Caminos C. y P./, University of Granada (Spain)
- Specialisation: Steel structures
  - PhD Thesis: Analysis of eccentrically locally loaded steel I-girders / Estudio de vigas metálicas en I sometidas a cargas transversales excéntricas respecto del plano del alma (extensive experimental and theoretical research, including FEM and ANN modelling)
- 1996 - 2003 **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: Eccentrically locally loaded I-girders – experimental and theoretical analysis (experimental and theoretical research, including FEM modelling)
- 1991 - 1996 **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: Design of a latticed steel footbridge over the Lim River in Štitari, Berane

**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
Cambridge Certificate (University of Cambridge, International Examinations). FCE & CAE levels.					
Spanish	B1	B1	B1	B1	A2
Able Spanish Certificate (Cordoba, Argentina). Level 3 (B1).					
German	B1	B1	B1	B1	A2
TU München Certificate (München, Deutschland). Level B1.					

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.

- Organisational / managerial skills**
- Leadership/managerial/organisational experience as:
    - President of the Commission for Doctoral Studies at the FCE UoM (since 2017),
    - Head of the Office for Science and International Cooperation of the FCE UoM (since 2016),
    - Head of the Civil Engineering Study Programme at the FCE UoM (since 2016),
    - Head of Montenegrin national Team for Radon Mitigation (since 2015),
    - President of NGO "Civil Engineering – Science and Practice – GNP" (since 2013),
    - President of the Association of Teaching Assistants and Assistant Lecturers of the UoM (2009 - 2011),
    - Head of engineering design teams - responsible and/or principal design engineer,
    - Head of supervising teams in construction process.
  - Managerial/organisational experience as:
    - Member of the Advisory Board for Doctoral Studies at the UoM (since 2016),
    - Representative of the FCE in the Council of Technical and Natural Sciences of the UoM Senate (2015-2017),
    - Member of the Commission for Master Studies at the FCE UoM (since 2014),
    - Vice Dean for International Cooperation of the FCE UoM (2011 - 2016),
    - Coordinator for international cooperation of the FCE UoM (2010 - 2011),
    - Secretary General of Montenegrin Society of Structural Engineers (since 2009),
    - Member of Organising Committee of International Conferences "Civil Engineering – Science and Practice": GNP 2006, GNP 2008, GNP 2010, GNP 2012, GNP 2014, GNP 2016.

- Computer skills**
- excellent command of Microsoft Office™ tools
  - good command of AutoCAD™ and structural design software like SAP 2000™, Rad Impex™

- Other skills**
- Professional skills:
- familiar with structural engineering laboratory techniques and methods,
  - rich experience in experimental testing of structures and materials.
- Hobbies and interests:
- skiing, swimming and hiking,
  - dancing,
  - music (playing accordion),
  - reading,
  - cooking,
  - travelling.

**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
  - student of generation and for over a decade the best student of the Faculty of Civil Engineering, University of Montenegro
  - student of generation in elementary and high school; diploma "Luča I"



## Memberships

*Scientific institutions:*

- Alumna of Center of Young Scientists in Montenegrin Academy of Sciences and Arts (membership in period 2011-2013)

*Scientific/review/steering committees of scientific and professional conferences:*

- *International Conference "Contemporary theory and practice in construction XIII"*, STEPGRAD, Banja Luka, Bosnia and Herzegovina, 2018. Scientific Committee.
- *The 4th International Conference on Mechanical Models in Structural Engineering, CMMoST 2017*, Madrid, Spain, 2017. Scientific Committee.
- *The 3rd International Green Design Conference, GDC 2017*, Mostar, Bosnia and Herzegovina, 2017. Scientific Committee.
- *The 16th World Conference on Earthquake Engineering, 16 WCEE*, Santiago, Chile, 2017. Scientific Committee Reviewer.
- *Symposium 2016 of the Association of Structural Engineers of Serbia*, Zlatibor, Serbia, 2016. Scientific Committee.
- *The 3rd International Scientific Meeting: State and Trends of Civil Engineering and Environmental Engineering, E-GTZ 2016*, Tuzla, Bosnia and Herzegovina, 2016. Scientific Committee.
- *The 6th International Conference "Civil Engineering - Science & Practice", GNP 2016*, Zabljak, Montenegro, 2016. Scientific Committee.
- *The 3rd International Conference on Mechanical Models in Structural Engineering, CMMoST 2015*, Seville, Spain, 2015. Scientific Committee.
- *The 7th European Conference on Steel and Composite Structures, EUROSTEEL 2014*, Napoli, Italy, 2014. Steering Committee.
- *The 5th International Conference "Civil Engineering - Science & Practice", GNP 2014*, Zabljak, Montenegro, 2014. Scientific Committee.
- *The 4th International Conference "Civil Engineering - Science & Practice", GNP 2012*, Zabljak, Montenegro, 2012. Scientific Committee.

*Professional organisations and associations:*

- Engineering Chamber of Montenegro (IKCG)
- Montenegrin Society of Structural Engineers (MSSE)
- Montenegrin Association for Earthquake Engineering (CAZI)
- Technical Committee ISME/TK002-Eurocodes, Institute for Standardisation of Montenegro (ISME, 2013-2016)
- International Association for Bridge and Structural Engineering (IABSE, 2003-2011)

*Professional bodies:*

- Head of Montenegrin national Team for Radon Mitigation, Ministry of Sustainable Development and Tourism of Montenegro and Faculty of Civil Engineering, University of Montenegro, since 2015
- Representative of Engineering Chamber of Montenegro (IKCG) in Working Group on Continual Professional Development of European Council of Engineering Chambers (WG on CPD of ECEC), since 2015
- Head of Working Team for elaboration of Technical Rules for Timber Structures, Ministry of Sustainable Development and Tourism of Montenegro, 2016
- Member of Working Team for elaboration of Technical Rules for Steel Structures, Ministry of Sustainable Development and Tourism of Montenegro, 2016
- Member of Working Team for elaboration of Technical Rules for Aluminium Structures, Ministry of Sustainable Development and Tourism of Montenegro, 2016
- Member of Expert Team for translation of EN 1991-1-4 and elaboration of its Annex with Nationally Determined Parameters, Engineering Chamber of Montenegro (IKCG) and Institute for Standardisation of Montenegro (ISME), 2016
- Head of Working Group for translation and elaboration of annexes of standard EN 1995, Institute for Standardisation of Montenegro (ISME), 2013-2016
- Member of Working Group for translation and elaboration of annexes of standard EN 1991, Institute for Standardisation of Montenegro (ISME), 2013-2016
- Member of Working Group for translation and elaboration of annexes of standard EN 1993, Institute for Standardisation of Montenegro (ISME), 2013-2016
- Member of Working Group for translation and elaboration of annexes of standard EN 1998, Institute for Standardisation of Montenegro (ISME), 2013-2016

## Study/research/teaching mobility

- University of Birmingham, Birmingham, Great Britain; British Scholarship Trust grant – MSc student, research practice; May-July 2001
- RWTH Aachen, Aachen, Deutschland; DAAD programme – MSc student, research practice; November-December 2002
- Technische Universität Wien (TU Wien), Wien, Österreich; CEEPUS exchange programme – – visiting student; April-July 2003
- ÚTAM, Akademie věd České republiky, Praha, Česká Republika; guest of Czech Academy of Sciences – preliminary PhD research; November 2003 - February 2004
- Technische Universität Graz (TU Graz), Graz, Österreich; CEEPUS exchange programme – – visiting teacher; June 2004
- Universidad de Granada, Granada, España; Coimbra Group - CGHS programme – join research; May-July 2005
- Slovenská technická univerzita (STU v Bratislave), Bratislava, Slovenská republika; CEEPUS exchange programme – visiting teacher; December 2005
- УАСГ София, София, България; CEEPUS exchange programme – visiting teacher; December 2006
- Universidad de Granada, Granada, España; Coimbra Group - CGHS programme – join research; July-September 2007
- Universidad de Granada, Granada, España; Coimbra Group - CGHS programme – join research; June-September 2010
- Technische Universität München (TU München), München, Deutschland; DAAD programme – Winter School "Culture and Technology", January 2011
- Универзитет „Св. Кирил и Методиј“, Скопје, Македонија; CEEPUS exchange programme – – visiting teacher; June 2011
- A.B.L.E. Spanish School, Córdoba, Argentina; Partial scholarship programme – course participant; January 2012
- Vysoké učení technické (VUT v Brně), Brno, Česká Republika; CEEPUS exchange programme – – visiting teacher; December 2013
- Universitatea Ovidius, Constanta, România; CEEPUS exchange programme – visiting teacher; May-June 2014
- Universidad de Granada, Granada, España; Montenegrin Ministry of Sciences - National Excellence Scholarship Programme under HERIC project – postdoctoral research; 2016-2017
- Universidad de Granada, Granada, España; Erasmus Mundus mobility scheme JoinEU-SEE>Penta – visiting research staff; May-June 2017
- Universidade NOVA de Lisboa, Lisboa, Portugal; Erasmus+ (staff teaching mobility) – visiting teacher; September 2017
- Slovenská technická univerzita (STU v Bratislave), Bratislava, Slovenská republika; Erasmus+ (staff teaching mobility) – visiting teacher; December 2017
- Universidade de Vigo, Vigo, España; Erasmus+ (staff training mobility) – visiting teacher; May 2018
- Politechnika Śląska, Gliwice, Polska; Erasmus+ (staff training mobility) – staff week; May 2018
- Universidade Beira Interior, Covilha, Portugal; Erasmus+ (staff training mobility) – staff week; October 2018

## Scientific-research projects

- *"Patch loaded thin-walled steel girders"*, Ministry of Education and Science of Montenegro, 2005 – 2007
- *"Thin-walled steel girders in contemporary structures"*, Ministry of Science of Montenegro, 2012 – 2015
- *"Latticed aluminium towers for overhead electrical lines"*, Ministry of Science of Montenegro, 2012 – 2015
- *"Basis of structural timber design - from research to standards"* - FP1402, COST, 2014-2018
- *"Fire safe use of bio-based building products"* - FP1404, COST, 2014-2018
- *"Advancing effective institutional models towards cohesive teaching, learning, research and writing developmens"* - CA 15221, COST, 2016-2019



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

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

- Lučić D, Šćepanović B: "Experimental Investigation on Locally Pressed I-beams Subjected to Eccentric Patch Loading", Journal of Constructional Steel Research, Vol.60, Nos.3-5, March-May 2004, p.525-534, ISSN 0143-974X
- Šćepanović B, Gil-Martín L.M, Hernández-Montes E, Aschheim M, Lučić D: "Ultimate Strength of I-Girders under Eccentric Patch Load: Derivation of a New Strength Reduction Coefficient", Engineering Structures, Vol.31, 2009, p.1403-1413, ISSN 0141-0296
- Gil-Martín L.M, Šćepanović B, Hernández-Montes E, Aschheim M, Lučić D: "Eccentrically Patch Loaded Steel I-Girders: Influence of Patch Length on Ultimate Strength", Journal of Constructional Steel Research, Vol.66, Issue 5, 2010, p.716-722, ISSN 0143-974X
- Mijušković O, Čorić B, Šćepanović B: "Exact stress functions implementation in stability analysis of plates with different boundary conditions under uniaxial and biaxial compression", original scientific paper, Thin-Walled Structures, Vol.80, 2014, p.192-206, ISSN: 0263-8231
- Šćepanović B, Knežević M, Lučić D: "Methods for determination of ultimate load of eccentrically patch loaded steel I-girders", Informes de la Construcción, Vol. 66, EXTRA 1, m018, 2014, 13pp, ISSN-L: 0020-0883
- Mijušković O, Čorić B, Šćepanović B: "Accurate buckling loads of plates with different boundary conditions under arbitrary edge compression", Original Research Article, International Journal of Mechanical Sciences, Vol.101-102, 2015, p.309-323, ISSN: 0020-7403
- Mijušković O, Čorić B, Šćepanović B, Žugić Lj: "Analytical model for buckling analysis of the plates under patch and concentrated loads", Original Research Article, Thin-Walled Structures, Vol.101, 2016, p.26-42, ISSN: 0263-8231
- Đuričić Đ, Aleksić S, Šćepanović B, Lučić D: "Experimental, theoretical and numerical analysis of K-joint made of CHS aluminium profiles", Original Research Article, Thin-Walled Structures, Vol.119, 2017, p.58-71, ISSN: 0263-8231

*Papers in journals with regular international distribution:*

- Aleksić S, Lučić D, Šćepanović B: "Experimental Research Centro 2009", Materials and Structures, No.3-4, 2009, p.47-61
- Šćepanović B, Knežević M, Lučić D: "An Example of ANN Modelling Application in Patch Loading Problems of Steel Structures", Journal of Applied Engineering Science, Volume 10, Issue 1, 2012, p.15-20, ISSN:1451-4117
- Mijušković O, Čorić B, Šćepanović B: "Combination of patch and wheel loads: Analytical approach to plate buckling", Journal of Applied Engineering Science, Volume 14, Issue 1, 2016, p.84-92, ISSN:1451-4117

*Monograph papers:*

- Šćepanović B: "Analysis of flutters in long-span bridges", Monograph on the occasion of 20<sup>th</sup> anniversary of the Faculty of Civil Engineering, University of Montenegro, Podgorica, 2000, p.333-351
- 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

*Invited lectures/papers:*

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- A. Moskaleva, B. Šćepanović, J.F. Carbonell Marquez, M.A. Fernández Ruiz, E. Hernández Montes: *Topological design of bionic structures: Inspired by nature*, University of Granada, 2017  
<http://hdl.handle.net/10481/47001>



Engineering projects  
(professional experience)

## Design:

- "Main Design of Falsework for the Bridge over the Ribnica River in Podgorica", (Faculty of Civil Engineering in Podgorica, July 1997); assistant designer
- "Steel Structure Project Designed for the Highway Bureau, as a Part of Dynamic Laboratory at the Faculty of Civil Engineering", (Faculty of Civil Engineering in Podgorica, July 1998); structural designer
- "Main Design of 30 m High Steel Column Tower - Antenna-holder - Zabjelo", (Faculty of Civil Engineering in Podgorica, September 1998); assistant designer
- "Conceptual Design of the Bridge over the Morača River in Podgorica, Connection of Jole Piletić Boulevard and July 13 Street", Public invitation for conceptual design solution (Design author: assist.prof. Duško Lučić, Faculty of Civil Engineering in Podgorica, June 1999); assistant designer
- "Designs of Private Fishing Houses at Ada Bojana", (Faculty of Civil Engineering in Podgorica, December 1999, July 2000); chief designer, drawing elaboration
- "Hangar at the Golubovci Airport in Podgorica - Main Design of Latticed Stiffener in Roof-plane and Anchor's Continuations", (Faculty of Civil Engineering in Podgorica, December 1999); designer, drawing elaboration
- "Main Design of Typical 16+30 m High Steel Column Tower - Antenna-holder - at Urban Sites", (Faculty of Civil Engineering in Podgorica, Jun 2000); assistant designer
- "Main Design of Canopies' Structure at the Border Crossing 'liino brdo' - Nikšić", (Republic Bureau for City Planning and Design, Podgorica, September 2000); assistant designer
- "Main Design of Luminaire Steel Posts (Height: 4.8 ± 10.5 m)", (EMI, Podgorica, October 2001); designer
- "Main Design of Steel Fire Escape Stairs for I-U Zetogradnja Building", (Faculty of Civil Engineering in Podgorica, January 2002); designer, drawing elaboration
- "Main Design of 16 m High Steel Column Tower - Antenna-holder - in Bar", (AD "Novi prvoborac, Herceg-Novi, April 2002); designer, drawing elaboration
- "Main Design of Steel Column Tower - Antenna-holder - on the 'Simpo'-building Roof, in Bar", (Faculty of Civil Engineering in Podgorica, April 2002); designer, drawing elaboration
- "Main Design of Structure for the Extension of Business-Warehouse Building 'Context', in Podgorica", (Faculty of Civil Engineering in Podgorica, June 2002); designer, drawing elaboration
- "Main Design of Roof Structures for the Warehouse Complex - Bioče, Podgorica", (July 2002); designer
- "Union Bridge over the Morača River in Podgorica - Working Design", (Faculty of Civil Engineering in Podgorica, June-September 2002); phase designer
- "Main Design of Structure for the Petrol Station - Dak Petrol - Mareza, Podgorica", (Čelebić Inženjering, Podgorica, February 2003); designer, drawing elaboration
- "Main Design of Still Structure of Shopping Centre 'Plus Commerce', in Podgorica", (Faculty of Civil Engineering in Podgorica, Institute for Civil Engineering, September-November 2003); designer, drawing elaboration
- "MUP RCG Hangar at the Golubovci Airport in Podgorica - Design of Foundation and Floor Structure", (Faculty of Civil Engineering in Podgorica, Institute for Civil Engineering, March 2004); designer, drawing elaboration
- "MUP RCG Hangar at the Golubovci Airport in Podgorica - Still Structure Erection Plan", (Faculty of Civil Engineering in Podgorica, Institute for Civil Engineering, March 2004); designer
- "MUP RCG Hangar at the Golubovci Airport in Podgorica - Amendment to the Original Design Documentation for Structure - Working Design", (Faculty of Civil Engineering in Podgorica, Institute for Civil Engineering, August 2004); designer
- "Office Building 'Plantaze', in Podgorica - Reconstruction - Main & Working Design", ("Čelebić Inženjering", Podgorica, November 2004); designer
- "Ela Center in Podgorica - Main Design of Structure", (Faculty of Civil Engineering in Podgorica, Institute for Civil Engineering, 2005); designer
- "Airport Tivat - Reconstruction and Extension of Terminal Building - Main Design of Structure", (CYVAS / GREEN HOUSE, September 2005); prime designer
- "Main Design of Steel Structure of the Tower on 'Unistan' Building, in Podgorica", (Faculty of Civil Engineering in Podgorica, Institute for Civil Engineering, December 2005); designer
- "Designs of Private Timber Assembly Houses", (GREEN HOUSE, September-December 2005); prime designer
- "Main Design of Structure of the Canopy at the Republika Square, in Podgorica", (August 2006); prime designer
- "Main Design of Structure of the Canopies in Bakaška Street and Sloboda Street, in Podgorica", (S.M.N.L. d.o.o., Podgorica, 2007-2008); prime designer
- "Main Design of Structure for Petrol Station with Additional Facilities - Phase I - Type 102-2. Vladimir, Ulcinj", (Montinspekt d.o.o., Podgorica, March 2008); prime designer - designer in charge
- "Main Design of Structure of Steel Canopy, University Center UDG Donja Gorica, Podgorica", (Čelebić d.o.o., Podgorica, April 2008); prime designer - designer in charge
- "Conceptual Design of the Bridge M2 (Moračica) at the Station km 6+500.00 of Highway Bar-Bojare, section Smokovac-Uvač, (Variant 2 - Steel Superstructure over RC Piers, Total Length of the Bridge: 960 m)", (Faculty of Civil Engineering in Podgorica, Institute for Civil Engineering, March-May 2008); prime designer - designer in charge
- "Preliminary Design of the Bridge Moračica (Variant 2 - Steel Superstructure over RC Piers, Total Length of the Bridge: 980 m), at the Station km 6+462.00 of Highway Bar-Bojare, section Smokovac-Uvač", (Faculty of Civil Engineering in Podgorica, Institute for Civil Engineering, June-December 2008); prime designer - designer in charge
- "Preliminary Design of Mištica Bridge (6 x 24.5 + 25.0 = 172.0 m), at the Station km 24+170.85 L of Highway Bar-Bojare, section Smokovac-Uvač", (Faculty of Civil Engineering in Podgorica, Institute for Civil Engineering, June-December 2008); designer



Engineering projects  
(professional experience - cont)

## Design (cont):

- "Preliminary Design of Mištica Bridge (8 x 24.9 + 24.8 = 224.0 m), at the Station km 24+203.15 D of Highway Bar-Bofjare, section Smokovac-Uvač", (Faculty of Civil Engineering in Podgorica, Institute for Civil Engineering, June-December 2008); designer*
- "Preliminary Design of Čestogaz Bridge (2 x 22.7 + 22.6 = 68.0 m), at the Station km 31+586.28 L of Highway Bar-Bofjare, section Smokovac-Uvač", (Faculty of Civil Engineering in Podgorica, Institute for Civil Engineering, June-December 2008); designer*
- "Preliminary Design of Čestogaz Bridge (4 x 23.5 = 94.0 m), at the Station km 31+644.26 D of Highway Bar-Bofjare, section Smokovac-Uvač", (Faculty of Civil Engineering in Podgorica, Institute for Civil Engineering, June-December 2008); designer*
- "Main Design of Ceiling/Floor Structure in Theatre Hall of Kotor Cultural Center, in Kotor", (Faculty of Civil Engineering in Podgorica, Institute for Civil Engineering, February 2009); prime designer - designer in charge*
- "Main Design of Rehabilitation of Sport Hall in Berane", (Institute for Civil Engineering d.o.o, Podgorica, December 2009); prime designer - designer in charge*
- "Main Design of Structure of Lightening Tower in Swimming Pool PK Mladost, Herceg Novi", (Faculty of Civil Engineering in Podgorica, Institute for Civil Engineering, February 2012); prime designer - designer in charge*

## Construction:

- "Warehouse in the Refuge settlement Korik 1 - Podgorica", (Intersos, January-February 2000); member of supervising team*
- "Construction of Elementary School Zlatica in Podgorica", (Faculty of Civil Engineering in Podgorica, 2002); member of PMR/supervising team*
- "Construction of Canopies in Bokoška Street and Sloboda Street, in Podgorica", (Agency for Construction and Development of Podgorica d.o.o, Podgorica, 2007-2009); supervisor*
- "Reconstruction of Border Crossing Points Dobrakovo and Dračenovac", (ZIGMA a.d, Nikšić / MUP RCG / Delegation of European Union to Montenegro, 2010-2013); engineer's representative - head of the supervising team*
- "Construction of Firefighters House in Berane", (ZIGMA a.d, Nikšić, 2012-2013); member of the supervising team*

## Expert Reports:

- "Elaboration of Static and Dynamic Analysis of RC Bridge in Aerservice in Tivat", (Faculty of Civil Engineering in Podgorica, August 2000); assistant*
- "Expert Report on Condition of Structural Elements and Joints of Sports Hall 'Župa', Tivat", (ZIGMA a.d, Nikšić, 2013)*

## Technical reviews:

- "Technical Review of Main Design of Sport Hall J.U. Gimnazija 'Slobodan Škerović', in Podgorica", (Faculty of Civil Engineering in Podgorica, Institute for Civil Engineering, December 2005); reviewer for steel structure*
- "Technical Review of Main Design of Petrol Station with Additional Facilities, k.p.no. 2544/1 / 2544/5 KO Sutomore", (Faculty of Civil Engineering in Podgorica, Institute for Civil Engineering, July 2006); reviewer for steel structure*
- "Technical Review of Main Design of Shopping Mall 'Delta City', in Podgorica", (Faculty of Civil Engineering in Podgorica, Institute for Civil Engineering, September 2006); reviewer for steel structure*
- "Technical Review of Executed Works on Sport Hall Building in Igalo", (Construction Company "Zavod za izgradnju Bara" a.d, 2007-2009); reviewer for steel structure*
- "Technical Review of Working Design of Reconstruction and Extension of Terminal Building at the Airport Tivat", (November 2007); reviewer for steel structure*
- "Technical Review of Main Design of Reconstruction and Extension in the Building of Elektroliza 'B' - GTC Unit for Gas Treatment, Aluminium Production Plant KAP, Podgorica", (Faculty of Civil Engineering in Podgorica, Institute for Civil Engineering, 2008); reviewer for steel structure*
- "Technical Review of Main Structural Design of Long-distance Electric Power Transmission Line DV 400kV from Podgorica to the Albanian Border", (Konstrukcija d.o.o, Podgorica, 2009); reviewer for steel structure*
- "Technical Review of Main Structural Design of Long-distance Electric Power Transmission Line DV 110kV Podgorica 5 - Tspoj KAP I (vod I)", (Konstrukcija d.o.o, Podgorica, 2009); reviewer for steel structure*
- "Technical Review of Main Structural Design of Electric Power Substation TS 110/10 Podgorica 5", (Konstrukcija d.o.o, Podgorica, 2009); reviewer for steel structure*
- "Technical Review of Conceptual and Main Design of Reconstruction of Border Crossing Point Dobrakovo", (ZIGMA a.d, Nikšić, 2009-2010); reviewer for steel structure*
- "Technical Review of Preliminary and Main Design of Structure of the Bridge over Port Milena", (Institute for Civil Engineering d.o.o, Podgorica, 2009-2011); reviewer for steel structure*
- "Technical Review of Executed Works on Warehouse with Offices, k.p.no 31 DUP 'Industrial Zone KAP', Podgorica", (Faculty of Civil Engineering in Podgorica, 2011); reviewer for steel structure*





Curriculum Vitae

Biljana Ščepanović

