








PERSONAL INFORMATION

**Biljana Šćepanović**



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 Skype biljanascepanovic  Viber & WhatsApp +382 69 068 960  
 Sex female | Date of birth 10 April 1973 | Nationality Montenegrin

WORK EXPERIENCE

2022 - 2023

**Minister of Science and Technological Development**

43<sup>rd</sup> Government of Montenegro [www.gov.me/mntr]

2016 - 2022

**Associate Professor**

&  
2023 - present

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

- Vice Dean for International Cooperation (2022)
- Vice Dean (2019-2022)
- Head of the Office for International Cooperation of the FCE UoM (2020-2022)
- Head of the Office for Science and International Cooperation of the FCE UoM (2016-2020)
- Head of the Civil Engineering Study Programme at the FCE UoM (2016-2019)
- President of the Commission for Students and Staff Mobility at the FCE UoM (2018-2022)
- President of the Commission for Doctoral Studies at the FCE UoM (2017-2022)
- President of the Commission for Master Studies at the FCE UoM (2019-2020; member 2014-2022)
- Representative of the FCE in the Council of Technical and Natural Sciences of the UoM Senate (2015-2017)
- Director of the Center for Doctoral Studies at the UoM (2021-2022)
- President of the Advisory Board for Doctoral Studies at the UoM (2021-2022; member 2016-2022)
- Professor of courses from the domain of: Metal Structures, Steel Structures, Aluminium Structures, Timber Structures and Special Structures (Faculty of Civil Engineering and Faculty of Architecture)
- Supervisor of Final/Diploma student projects; Supervisor of master and PhD theses
- Scientific-research and engineering activities

2011 - 2016

**Assistant Professor**

University of Montenegro (UoM) [www.ucg.ac.me]  
 Faculty of Civil Engineering (FCE) [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 (since 2015)
- 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]  
 Faculty of Civil Engineering (FCE) [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

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- 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.					
French	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), 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:
  - Minister of Science and Technological Development in the 43<sup>rd</sup> Government of Montenegro (2022-2023),
  - President of the national Council for Science and Research, Montenegro (2022-2023),
  - President of the national Council for Innovation and Smart Specialisation, Montenegro (2022-2023),
  - Director of the Center for Doctoral Studies at the UoM (2021-2022),
  - President of the Advisory Board for Doctoral Studies at the UoM (2021-2022),
  - President of the Commission for Master Studies at the FCE UoM (2019-2020),
  - President of the Commission for Students and Staff Mobility at the FCE UoM (2018-2022),
  - President of the Commission for Doctoral Studies at the FCE UoM (2017-2022),
  - Head of the Office for International Cooperation of the FCE UoM (2020-2022),
  - Head of the Office for Science and International Cooperation of the FCE UoM (2016-2020),
  - Head of the Civil Engineering Study Programme at the FCE UoM (2016-2019),
  - Head of Montenegrin national Team for Radon Mitigation (since 2015),
  - President of NGO “Civil Engineering – Science and Practice – GNP” (2013-2022),
  - 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 Commission for Economic Policy and Finances, 43<sup>rd</sup> Government of Montenegro (2022-2023),
  - Member of the national Council for the Rights of the Child, Montenegro (2022-2023),
  - Member of the national Council for Sustainable Development, Montenegro (2022-2023),
  - Member of the national Council for the Competitiveness, Montenegro (2022-2023),
  - Member of the National Commission for UNESCO, Montenegro (2023),
  - Member of the Commission for Quality Assurance and Improvement at the FCE UoM (2020-2022),
  - Member of the Commission for Acquired Education Equivalency at the FCE UoM, (2020-2022),
  - Vice Dean of the FCE UoM (2019-2022),
  - Member of the Advisory Board for Doctoral Studies at the UoM (2016-2022),
  - 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 (2014-2022),
  - Vice Dean for International Cooperation of the FCE UoM (2011-2016, 2022),
  - Coordinator for international cooperation of the FCE UoM (2010-2011),
  - Secretary General of Montenegrin Society of Structural Engineers (since 2009),
  - Member of the Organising Committee of International Conferences “Civil Engineering – Science and Practice”: GNP 2006, GNP 2008, GNP 2010, GNP 2012, GNP 2014, GNP 2016, GNP 2020, GNP 2022.

- 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

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- 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 XVI"*, STEPGRAD 2024, Banja Luka, Bosnia and Herzegovina, 2024. Scientific Committee.
- *The 9th International Conference "Civil Engineering - Science & Practice"*, GNP 2024, Kolašin, Montenegro, 2024. Scientific Committee.
- *The 3rd DIFENew International Student Conference, DISC 2023*, Novi Sad, Serbia, 2023. Scientific Committee.
- *International Scientific Conference "Planning, Design, Construction and Building Renewal"*, iNDiS 2023, Novi Sad, Serbia, 2023. Scientific Committee.
- *International Conference "Contemporary theory and practice in construction XV"*, STEPGRAD 2022, Banja Luka, Bosnia and Herzegovina, 2022. Scientific Committee.
- *The 8th International Conference "Civil Engineering - Science & Practice"*, GNP 2022, Kolašin, Montenegro, 2022. Scientific Committee.
- *The 6th International Conference on Mechanical Models in Structural Engineering, CMMoST 2021*, Valladolid, Spain, 2021. Scientific Committee.
- *International Conference "Contemporary theory and practice in construction XIV"*, STEPGRAD 2020, Banja Luka, Bosnia and Herzegovina, 2020. Scientific Committee.
- *The 7th International Conference "Civil Engineering - Science & Practice"*, GNP 2020, Kolašin, Montenegro, 2020. Scientific Committee.
- *International Conference "Contemporary theory and practice in construction XIII"*, STEPGRAD 2018, 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, Žabljak, 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, Žabljak, Montenegro, 2014. Scientific Committee.
- *The 4th International Conference "Civil Engineering - Science & Practice"*, GNP 2012, Žabljak, 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)

Memberships  
(cont)*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 standard EN 1991-1-4 and elaboration of accompanying National Annex with Nationally Determined Parameters, Institute for Standardisation of Montenegro (ISME) & Engineering Chamber of Montenegro (IKCG), 2016
- Head of Working Group for translation and elaboration of national annexes of standard EN 1995, Institute for Standardisation of Montenegro (ISME), 2013-2016
- Member of Working Group for translation and elaboration of national annexes of standard EN 1991, Institute for Standardisation of Montenegro (ISME), 2013-2016
- Member of Working Group for translation and elaboration of national annexes of standard EN 1993, Institute for Standardisation of Montenegro (ISME), 2013-2016
- Member of Working Group for translation and elaboration of national annexes of standard EN 1998, Institute for Standardisation of Montenegro (ISME), 2013-2016
- Head and/or member of Expert Teams for translation of standards EN 1991, EN 1993, EN 1995, EN 1998, EN 1999 and elaboration of accompanying National Annexes with Nationally Determined Parameters, Institute for Standardisation of Montenegro (ISME) & Faculty of Civil Engineering, University of Montenegro, 2018-2019
- Representative of Civil Engineers Chamber, Engineering Chamber of Montenegro (SKGI IKCG), in Montenegrin Team for Negotiation on Mutual Recognition of Professional Qualifications among WB6, Montenegrin Ministry of Labor and Social Welfare and Regional Cooperation Council (RCC) 2018-2019
- Representative of the Faculty of Civil Engineering, University of Montenegro in working groups for elaboration of dual system education study programmes in vocational high schools in Montenegro – sector for Civil Engineering and Architecture, Center for Vocational Education, 2018-2019
- Representative of the Faculty of Civil Engineering, University of Montenegro in working groups for elaboration of education study programmes for adults in Montenegro – sector for Civil Engineering and Architecture, Center for Vocational Education, 2020
- Representative of Civil Engineers Chamber, Engineering Chamber of Montenegro (SKGI IKCG), in Montenegrin Working Group for Negotiation on Decision of the Joint Committee of CEFTA on the disciplines establishing a general system for the mutual recognition of professional qualifications, Montenegrin Ministry of Economic Development and Central European Free Trade Agreement (CEFTA) Secretariat, 2021



## 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
- European Commission – DG Joint Research Centre (EC DG JRC) & Standardization Institute of the Former Yugoslav Republic of Macedonia, Workshop “Building capacities for elaboration of NDPs and NAs of the EUROCODES in the Balkan region”, Skopje, FYRM, November 2014
- International Atomic Energy Agency (IAEA) in cooperation with the Government of the Czech Republic through the National Radiation Protection Institute (SURO v.v.i), RER/9/127 9008 01 – Regional Workshop on the Measures to Control Radon Indoor Levels and Inter-Comparison Testing of Radon Active Monitors, Prague, Czech Republic; June-July 2015
- UNDP & Czech National Radiation Protection Institute (SURO v.v.i), Promotion of modern radon diagnosis methods in Montenegro – Workshop and visit of Montenegrin mitigation team in Prague, Prague, Czech Republic; December 2015
- 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
- International Atomic Energy Agency (IAEA), C7-RER-9.136-EVT1702098 – ENUSA Training Course on Radon for Building Professionals, Ciudad Rodrigo, Spain; November 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
- Politechnika Śląska, Gliwice, Polska; CEEPUS exchange programme – summer school participant (freemover); July 2018
- International Atomic Energy Agency (IAEA), European Radon Association (ERA) and University of Applied Sciences and Arts of Southern Switzerland (SUPSI), ERA Radon Week – Radon Mitigation Course, Lugano, Switzerland; September 2018

Study/research/teaching mobility  
(cont)

- Universidade Beira Interior, Covilha, Portugal; Erasmus+ (staff training mobility) – staff week; October 2018
- Универзитет „Св. Кирил и Методиј“, Скопје, Македонија; COST programme – Training School “We ReLaTe: Advancing effective institutional models towards cohesive teaching, learning, research and writing development”; March 2019
- Universidad de Granada, Granada, España; COST programme – STSM “Analysis of institutional support for WRLT in the field of civil engineering at the University of Granada and possibility of similar method application at the University of Montenegro”; April 2019
- Universidade de Aveiro, Aveiro, Portugal; Erasmus+ (staff teaching mobility) – visiting teacher; May 2019
- International Atomic Energy Agency (IAEA), SP-RER9153-1802101 / ME-RER9153-1900344 – Practical Workshop for Building Professionals on Best Practices for Reducing Radon Concentrations in Buildings, Uppsala, Sweden; May 2019
- Politechnika Śląska, Gliwice, Polska; Erasmus+ (staff teaching mobility) – visiting teacher; December 2019
- Sveučilište u Splitu, Split, Hrvatska; Erasmus+ (staff mobility) – visiting teacher; June 2021
- Universidad de Huelva, Huelva, España; Erasmus+ (staff training mobility) – staff week; April 2022
- Háskólinn í Reykjavík (Reykjavik University), Reykjavik, Ísland; Erasmus+ (staff training mobility) – visiting teacher; May 2022
- Universidad de Cádiz, Cádiz/Algeciras, España; Erasmus+ (staff teaching mobility) – visiting teacher; May 2022



## Scientific-research projects

- *"Patch loaded thin-walled steel girders"*, Ministry of Education and Science of Montenegro; University of Montenegro, Faculty of Civil Engineering, 2005-2007
- *"Thin-walled steel girders in contemporary structures" – IRSALPEE*, Ministry of Science of Montenegro; University of Montenegro, Faculty of Civil Engineering, 2012-2015
- *"Latticed aluminium towers for overhead electrical lines" – TAČENO 2011*, Ministry of Science of Montenegro; University of Montenegro, Faculty of Civil Engineering, 2012-2015
- *"Basis of structural timber design - from research to standards" - FP1402*, COST, 2014-2018 (<https://www.cost.eu/actions/FP1402/>, <https://www.costfp1402.tum.de/>)
- *"Fire safe use of bio-based building products" - FP1404*, COST, 2014-2018 (<https://www.cost.eu/actions/FP1404/>, <https://costfp1404.ethz.ch>)
- *"Developing PREFABricated, near zero energy building concept in Montenegro through active knowledge exchange between academic institution, SMEs and NGOs" - PREFAB Ø ENERGY*, IPA; NGO Expeditio, 2016-2017
- *"Advancing effective institutional models towards cohesive teaching, learning, research and writing developmens" - CA15221*, COST, 2016-2020 (2021) (<https://www.cost.eu/actions/CA15221/>, <http://www.werelate.eu/>)
- *"Research on active safety management theory and method of urban arterial based on big data and deep learning"*, Project of Bilateral scientific-technological cooperation between PR China and Montenegro, Ministry of Science and Technology of PR China & Ministry of Science of Montenegro; Changsha University of Science and Technology, Department of Transportation Engineering & University of Montenegro, Faculty of Civil Engineering, 2019-2020 (2021)
- *"Modular energy islands for sustainability end resilience" - CA20109*, COST, 2021-2025 (<https://www.cost.eu/actions/CA20109/>)
- *"Holistic design of taller timber buildings" - CA20139*, COST, 2021-2025 (<https://www.cost.eu/actions/CA20139/>)

## Capacity-building projects

- *"Reforming doctoral studies at University of Montenegro" - REDOS*, INVO/HERIC, Ministry of Science and Ministry of Education of Montenegro, 2016-2017 (<http://www.redos.ac.me/>)
- *"Development of the Centre for International Cooperation and Career Development at the University of Montenegro" - DCIC*, INVO/HERIC, Ministry of Science and Ministry of Education of Montenegro, 2016-2017 (<http://www.heric.me/en/dcic/dcic-project>)
- *"Reforming doctoral studies in Montenegro and Albania - good practice paradigm" - MARDS*, Erasmus+, 2018-2021(2022) (<https://www.mards.ucg.ac.me/>)
- *"Strengthening of master curricula in water resources management for the Western Balkan HEIs and stakeholders" - SWARM*, Erasmus+, 2018-2021(2022) (<http://www.swarm.ni.ac.rs/>, <https://www.swarm.ucg.ac.me/>)
- *"Curricula innovation in climate-smart urban development based on green and energy efficiency with the non-academic sector" - SmartWB*, Erasmus+, 2023-2025 (<https://www.smartwb.ucg.ac.me/>)
- *"Joined for sustainability - building climate resilient communities in WB and EU" - 1FUTURE*, Erasmus+, 2023-2025 (<https://1future.feut.edu.al/#>)

Publications  
(journal 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, Ćorić 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, Ćorić 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, Ćorić 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
- Mijušković O, Šćepanović B, Žugić Lj, Ćorić B: "Analytical approach to elastic stability problems of plates with different boundary conditions subjected to combined bending, shear and patch loading", Structures, Vol.24, 2020, p.335-350, ISSN: 2352-0124
- Wei Hao, Donglei Rong, Kefu Yi, Qiang Zeng, Zhibo Gao, Wenguang Wu, Chongfeng Wei, and Biljana Šćepanović: "Traffic Status Prediction of Arterial Roads Based on the Deep Recurrent Q-Learning", Journal of Advanced Transportation, Vol. 2020, Article ID 8831521, 2020, 17pp, ISSN: 0197-6729 (print), 2042-3195 (online)
- Mijušković O, Žugić Lj, Šćepanović B, Ćorić B: "Analysis of the impact of shear stress at the flange-web junction on the web behavior under concentrated and patch load", Structures, Vol.34, 2021, p.3931-3944, ISSN: 2352-0124

*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
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- Žugić Lj., Brčić S., Mijušković O., Šćepanović B.: *Space frames analysis according to the second order theory by computer code ALIN*, International Civil Engineering and Architecture Conference "Advancements in Civil Engineering and Architecture", ICEARC'19, Trabzon, 2019, Vol.1, p.1843-1853. ISBN 978-605-81854-3-2 (Tk), 978-605-81854-4-9 (1.c)
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- Žugić Lj., Brčić S., Mijušković O., Šćepanović B.: *Free vibration analysis of spatial frames by computer code ALIN*, The 7<sup>th</sup> International Conference "Civil Engineering – Science and Practice", GNP 2020, Kolašin, 2020, p.265-272. ISBN 978-86-82707-32-5
- Žugić Lj., Brčić S., Mijušković O., Šćepanović B.: *Influence of dilatation gap on seismic response of two adjacent non-symmetric multistorey buildings*, The 7<sup>th</sup> International Conference "Civil Engineering – Science and Practice", GNP 2020, Kolašin, 2020, p.473-480. ISBN 978-86-82707-32-5



Publications  
(conference papers - cont)

*International conferences (cont):*

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- Dobravec G., Farrell A., Freddi M., Girgensohn K., Melonashi E., Oliver del Olmo S., O'Sullivan I., Šćepanović B., Šinkūnienė J.: *Writing as community: Co-authoring for and about collaborative learning /Symposium/*, The 11th Conference of the European Association for the Teaching of the Academic Writing, EATAW 2021, Ostrava (online), 2021, p.9. ISSN 2509-7075
- Mijušković O., Žugić Lj., Šćepanović B., Čorić B.: *Buckling problems of patch loaded plates with and without stiffeners – analytical approach*, The 9th European Conference on Steel and Composite Structures, EUROSTEEL 2020-21, Sheffield (online), 2021; ce/papers (© 2021 Ernst & Sohn Verlag für Architektur und technische Wissenschaften GmbH & Co. KG, Berlin), 4 (2021), Nos. 2-4, p.2271-2276. ISSN 2509-7075
- Živković B., Šćepanović B.: *A tangible result of the Erasmus+ ReFLAME project: The textbook English for Civil Engineering*, International Conference "Language for Specific Purposes: Trends and Perspectives", LSP 2021, Budva, Montenegro, 2021, p.67. ISBN 978-86-7664-203-8
- Nikolić N., Šćepanović B.: *Numerical analysis of aluminium lattice structure with K-joints*, The 6<sup>th</sup> International Conference on Mechanical Models in Structural Engineering, CMMoST 2021, Valladolid, Spain, 2021, p.374-390. ISBN 978-84-09-39323-7
- Subotić P., Šćepanović B.:  *$M_{cr}$ -L curves for hot rolled I sections*, The 6<sup>th</sup> International Conference on Mechanical Models in Structural Engineering, CMMoST 2021, Valladolid, Spain, 2021, p.391-399. ISBN 978-84-09-39323-7
- Nikolić N., Šćepanović B.: *Analysis of pressed brace and K-joint of welded aluminium lattice structure made of CHS profiles*, The 8<sup>th</sup> International Conference "Civil Engineering – Science and Practice", GNP 2022, Kolašin, 2022, p.273-280. ISBN 978-86-82707-35-6
- Subotić P., Šćepanović B.: *Improved  $M_{cr}$ -L curves for hot rolled IPE sections*, The 8<sup>th</sup> International Conference "Civil Engineering – Science and Practice", GNP 2022, Kolašin, 2022, p.315-322. ISBN 978-86-82707-35-6
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- Subotić P., Muhadinović M., Šćepanović B., Lučić D.: *The future of seismic design of steel structures – PR EN 1998-1-1 and PR EN 1998-1-2*, The 9<sup>th</sup> International Conference "Civil Engineering – Science and Practice", GNP 2024, Kolašin, 2024, p..... ISBN ...
- Nikolić N., Šćepanović B.: *Numerical analysis of aluminium T-stub connections*, The 9<sup>th</sup> International Conference "Civil Engineering – Science and Practice", GNP 2024, Kolašin, 2024, p..... ISBN ...

*National conferences:*

- Lučić D, Šćepanović B.: *"I-nosači pod dejstvom lokalnog ekscentričnog opterećenja – eksperimentalno istraživanje*, 11. Kongres JDGK, Vrnjačka Banja, 2002.god, str.251-256
- Knežević M, Šćepanović B, Stanković J.: *"Primjena informacionih tehnologija u fazama planiranja i praćenja građenja"*, VIII naučno-stručni skup Informacione tehnologije - IT 2003, Žabljak, 2003.god, str.146-148
- Knežević M, Šćepanović B, Mijušković O, Lučić D.: *"Softverska podrška jednog eksperimentalnog istraživanja"*, IX naučno-stručni skup Informacione tehnologije - IT 2004, Žabljak, 2004.god, str.71-74
- Lučić D, Šćepanović B.: *"Ekscentrično lokalno opterećeni I-nosači – pregled eksperimentalnih istraživanja"*, JDGK Simpozijum, Vrnjačka Banja, 2004.god, str.289-294
- Zejak R, Vujović P, Šćepanović B, Kovačević V.: *"Some aspects of material quality control in civil engineering"*, (in Montenegrin: *Neki aspekti kontrole kaliteta materijala u građevinarstvu*), X Conference Information Technology - IT 2005, Žabljak, 2005, p.155-158

Publications  
(other – catalogues,  
case study publications etc.)

#### Catalogues:

- 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, Collection DMEIH - Comunicaciones Congresos, Conferencias, 2017, 14pp  
<http://hdl.handle.net/10481/47001>

#### Case study publications:

- Šćepanović B., Mijušković O., Žugić Lj., Hernández-Montes E., Gil Martín L.M., (2020) *WRLT support at the University of Montenegro in comparison with the University of Granada – (civil) engineering field perspective*. In: O'Sullivan, I., Dobravac, G., Farrell, A., Kacmarova, A., and Leijen, D. (eds) (2020) *Centralised Support for Writing, Research, Learning and Teaching: Case Studies of Existing Models across Europe*, [pdf]. COST Action 15221: We ReLaTe, p.46-55.  
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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 'Iino 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 'Plantaže', 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 Bokeška 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-Boljare, 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-Boljare, 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-Boljare, 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 ( $8 \times 24.9 + 24.8 = 224.0$  m), at the Station km 24+203.15 D of Highway Bar-Boljare, section Smokovac-Uvač", (Faculty of Civil Engineering in Podgorica, Institute for Civil Engineering, June-December 2008); designer

"Preliminary Design of Čestogaz Bridge ( $2 \times 22.7 + 22.6 = 68.0$  m), at the Station km 31+586.28 L of Highway Bar-Boljare, section Smokovac-Uvač", (Faculty of Civil Engineering in Podgorica, Institute for Civil Engineering, June-December 2008); designer

"Preliminary Design of Čestogaz Bridge ( $4 \times 23.5 = 94.0$  m), at the Station km 31+644.26 D of Highway Bar-Boljare, 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 Konik 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 Bokeška 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 Aeroservice 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 I 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 Elekroliza '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

