

CURRICULUM VITAE
PhD OLIVERA JOVANOVIĆ
FULL PROFESSOR



Personal information:

Olivera Jovanović

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Moskovska 7, Podgorica, 81000,
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EDUCATION

Ph.D. Thesis: "Mathematical Modeling of Steel Frame with Base Isolation Using Parameter Identification", December 1988, Institute of Earthquake Engineering and Engineering Seismology (IZIIS), University Cyril and Methodius Skopje.

M.Sci. Thesis: "Elasto-Plastic Analyses of Steel Frameworks", May 1984, Faculty of Civil Engineering, University of Belgrade.

Diploma B.S. in Mechanical Engineering, June 1980, Faculty of Mechanical Engineering, University of Montenegro. She graduated in 1980, with an average grade of 9.76 out of 10, and this success still represents the highest average grade to be achieved in the shortest time of studies in this Faculty from its beginning till today.

AWARDS

"Luca I" Prize as the best elementary and secondary school student;
The prize from The Mechanical Faculty as the best student in 1977;
The prize from the Titograd (Podgorica) Government as the best student in 1978;
The University prize as the best student in 1979;
Numerous diplomas from regional, republic and state competitions in mathematics.

APPOINTMENTS

Mechanical Faculty, University of Montenegro: Assistant (1981), Assistant Professor (1989), Associate Professor (1994), Full Professor (1999).
2023- present Full Professor, Faculty of Management Herceg Novi

PRINCIPAL SUBJECTS

She was teaching at the University of Montenegro courses: Mechanics I and Mechanics II in the Civil Department, Mechanics and Resistance of Materials in the Architectural Department; Statics, Computational Methods in Optimization in the Mechanical Department; Technical Mechanics in the Electrotechnical Department.

Project management at Faculty of Management HN.

SPECIALIZATIONS

Januar 1988-April 1988, Florida State University, Florida, Tallahassee, USA, Visiting Research Fellow, Inter-university fellowship.

September 1990-May 1991, Florida State University, Tallahassee, USA. Visiting Research Fellow Researcher on the projects at the Civil faculty and Mechanical faculty of the Florida State University, Tallahassee, USA.

One-month specialization in Mechanics in England at Bolton University (2004), funded by WUS (World University Service) Austria.

One-month specialization in "Using Optimization Methods in Mechanical Construction" in Greece at the University of Patras (2006), funded by WUS (World University Service) Austria.

LECTURES HELD BY INVITATION

O. Jovanović: "The Method of Steepest Descent for Nonlinear Minimization Problem", Mechanical Faculty of Engineering, Florida State University, Tallahassee, USA, 1988.

O. Jovanović: "Mathematical Methods for Identification of Radon Concentration", Civil Faculty of Engineering, Florida State University, Tallahassee, USA, January 1991.

FOREIGN LANGUAGES SKILLS

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	C1
Russian	B1	B1	B1	B1	B1

Levels: A1/2: Basic user - B1/2: Independent user - C1/2 Proficient user

Common European Framework of Reference for Languages

MONOGRAPHS

Co-author of the monograph: "New technologies in welding processes, development and application", Faculty of Mechanical Engineering Mostar, Faculty of Mechanical Engineering Podgorica, ISBN 978-9958-058-00-4, COBIS BH-ID 20775942, pages 299, 2013, circulation 200 copies.

UNIVERSITY TEXTBOOKS

O. Jovanović: "Collection of solved exam tasks from Mechanics II", First edition, the University of Montenegro, ITP UNIREX, Nikšić, YU ISBN-86-427-0345-8, p. 143, the year 1995, circulation 500 copies;

O. Jovanović: "Collection of solved exam tasks from Mechanics II", Second edition, the University of Montenegro, Printed by OBOD - Cetinje, 1998, circulation 500 copies.

O. Jovanović, O. Mijušković, M. Đukić: "Mechanics and resistance of materials", Collection of solved test materials, page 219, Publisher Faculty of Architecture, University of Montenegro, Podgorica, the year 2018, ISBN 978-86-86625-23-6, COBISS CG-ID 37234960, p.219, circulation 300 copies.

O. Jovanović: "Optimization methods in constructions", funded by WUS (World University Service) Austria. Course Development program + Project No. 213/2006, Podgorica, 2006.

SOME OF THE INTERNATIONAL PROJECTS:

Participant in the project **ERASMUS+ PROJECT: GEAR - 101129408**, GEAR (Gender Equality in Academia and Research), Capacity building in the field of higher education (ERASMUS- EDU-2023-CBHE), Leader of the project Faculty of Management Herceg Novi, period 2023-2026.

Participant in the project **ERASMUS+ PROJECT: HAWKING - 101128741**, HAWKING (Harvesting (digital) Alternation in Ways that Knock-down Inaccessibility of New Generations), Capacity building in the field of higher education (ERASMUS-EDU-2023-CBHE), period 2023-2026.

Participant in the project **ERASMUS+ PROJECT: GROWTH – 101083212 – GAP-101083212**, GROWTH (Greening Relevance in Operations in Western-Balkan Tertiary-Education Habitats), Capacity building in the field of higher education (ERASMUS-EDU-2022-CBHE), period 2023-2026.

Participant in **TEMPUS IV Project** No. 158644-TEMPUS-1-2009-1-DE-TEMPUS-JPCR, Name: "Development of Regional Interdisciplinary Mechatronic Studies" - DRIMS. Period: 2010-2013.

Participant in **TEMPUS Project** No: 511126-TEMPUS-1-2010-1-RS-TEMPUS-SMGR, the Reference number of the Grant agreement: 2010-2856/001-001, Name: Enhancing the quality of distance learning at Western Balkan Higher education institutions – DL@WEB, Period: 2010-2013.

Olivera Jovanovic: **Course development Program Plus (CDP+) –WUS Austria**, Project number: 8093-1-2005, Using Optimisation Methods in Mechanical Construction, 2005-2007.

Participant in the project "Creation of Bologna Team Promoters of Montenegro", **SCM TEMPUS PROJECT** No. PP_SCM-C008Z04, funded by Tempus – Card, Brussels, Period: 2005-2006 y., participants University of Montenegro, LaSapienza University of Rome, Finland Ministry of Education.

O. Jovanović: "Methodological approaches in teaching Mechanics", **IMG, Tempus Program**, 2004. y.

Participant in the project: "Development of the university of management of University of Montenegro", **JEP TEMPUS PROJECT** funded by Tempus – Card, Brussels, 2003-2005 y., JEP TEMPUS PROJECT UM JEP – 17023-2002 funded by Tempus – Card, Brussels, Period: 2003-2005 y., participants the University of Montenegro, LaSapienza University of Rome, Bolton University of Bolton England.

Researcher in the research project: **"The Investigation of Radon Entry Into Crawl Space Structures"**, Project of Florida State University & USA Environmental Protection Agency, Tallahassee, Florida, USA, Sept.1990 - May 1991.

Researcher in the research project: **"Vector Dynamics Visualization Tools"**, Project of Florida State University FAMU/FSU College of Engineering, Tallahassee, Florida, USA, Sept.1990 - Apr.1991.

Etc.

SOME OF THE PUBLICATIONS

She published numerous scientific papers in foreign journals and proceedings at international conferences, Some papers published in full:

Jovanovic, O.: "Application of Gauss-Newton method for system parameters identification" 33 Congress JUREMA, Zagreb, April 1988, Proc. pp. 21-25.

Jovanovic, O., Jovanovic, Dj.: "Using Gauss-Newton modified method for identification electric drive parameters", Congress "Electric Drives", Zadar, 1988.

Jovanovic, O.: "Systems for isolating structures from earthquake attack", Congress: "Science and Technology", Dubrovnik, July 1988.

Jovanovic, O.: "Parameter identification using the method of variable metric", 34 Congress JUREMA, Zagreb, April 1989, Proceeding Vol I, pp. 11-15.

Jovanovic, O., Jurukovski, D.: "Parameter Identification in mathematical modeling of steel frame with base isolation", Journal of Theoretical and Applied Mechanics #15, Belgrade 1989, pp 45-53.

Jovanovic, O.: "Mathematical modeling of a system using Parameter identification technique", International Conference AMSE, Brighton, UK, 1989., Proc. pp 176-184.

Jovanovic, O., Jurukovski, D.: "System identification as a tool for mathematical modeling in earthquake engineering", European Conference on Structural Dynamics, Bochum (Germany), June 5-7, 1990, Vol I, pp 546-551.

Jovanovic, O.: "Mathematical modeling of a nonlinear viscous damping element using parameter identification technique", International Conference "Signals & Systems", Sept. 3-5, 1990, Vol 4, pp 87-95.

Jovanovic, O.: "Nonlinear viscous damping element mathematical modeled using parameter identification technique", 19th Congress of Theoretical and Applied Mechanics, Ohrid, May 28-June 1, 1990.

Jovanovic, O.: "Application of Cauchy method for parameters identification system", 35 Congress JUREMA, Zagreb, May 1990, Proceeding, Vol I, pp 25-29.

O. Jovanovic, Dj. Jovanovic: "Identification of radon concentration" Proc. International conference "Signal & Systems", AMSE, Geneva, Switzerland, June 1992.

O. Jovanovic., Dj. Jovanovic: "Mathematical modeling of a system using Hooke-Jeeves optimization method", Symposium for operational research - SYMOPIS'95, D. Milanovac, 1995.

Jovanovic Dj., Jovanovic O., Lutovac B., Radulovic D.: "Optimal control of three squirrel cage induction motor using neural networks", Journal "Tehnika", Beograd, 1995. , published as an original scientific paper.

O. Jovanović: "Determining models of structures from earthquake records", Scientific Journal Facta Universitatis, Series Architecture and Civil Engineering, Vol. 1, No.3, 1996., pp. 325-336.

O. Jovanović, D. Jurukovski: "Application of the modified Gauss-Newton method for mathematical modeling", Journal Tehnika, No.5-6, Belgrade, 1996, pp.M7-M13 (printed with the indication of original scientific work).

O. Jovanovic, Jovanovic Dj.: "Application of artificial neural networks in engineering", Conference of Information Technologies -97, Zabljak, 8.-16. March 1997, Proceeding, pp. 414-418.

O. Jovanovic, Jovanovic Dj.: "Identification of dynamic behavior using neural networks", XXII Congress of Theoretical and Applied Mechanics, Vrnjacka Banja, 2.-7.jun 1997. Proceedings pp. 150-156.

O. Jovanović, D. Jurukovski: Gradient method as a tool for mathematical modeling in earthquake engineering, International Journal of Operations Research, Vol.7, No.2, 1997., pp 293-304.

O. Jovanovic, Jovanovic Dj.: " One Approach to Identifying Systems with an Unknown Exciting Force*", Operational Research Symposium, Herceg Novi, Sept.1998. Proceedings pp. 749-753.

O. Jovanovic, Dj. Jovanovic: "Detection of movement of construction using neural networks", IT-98, IT conference, Zabljak, 8-16. March 1998. Proceeding, pp. 121-124.

O. Jovanovic, Dj. Jovanovic: An approach to the estimation of the stiffness and damping parameters of the structure, International Scientific Conference on production engineering, RIM 2003, Proceedings pp.571-576, Sept. 25-27, 2003.

O. Jovanovic, Dj. Jovanovic: "Identification of system using artificial neural network technique, Journal of Maritime Faculty of Kotor, Kotor, 2003, N.20/2003, p.345-352.

O. Jovanovic, Dj. Jovanovic: "Using neural networks for the identification of constructions", Conference of Operational Research, Zlatibor, Oct.2004, Proceeding, pp. 431-435.

Dj. Jovanovic, O. Jovanovic: Wind power plants as alternative sources of energy, 2nd International Conference „New technologies NT-2015”, Mostar, 2015., ISSN 2303-5668, pp. 288-294.

Etc.