Zorica Milovanović Jeknić

Vanredni profesor

Fakultet za graditeljski menadžment

Univerzitet „Union – Nikola Tesla“
Cara Dušana 62–64
Belgrade, Serbia

e-mail: zmilovanovic@unionnikolatesla.edu.rs
tel: +381 64 3012616

OBRAZOVANJE

2015.	Doktor matematičkih nauka, oblast Numerička matematika i optimizacija, Matematički fakultet, Univerzitet u Beogradu, Beograd, Srbija
2008.	Master matematičar, oblast Numerička matematika i optimizacija, Matematički fakultet, Univerzitet u Beogradu, Beograd, Srbija
2006.	Diplomirani matematičar, oblast Numerička matematika i optimizacija, Matematički fakultet, Univerzitet u Beogradu, Beograd, Srbija

NASTAVNO / NAUČNO ZVANJE

2022.	**Vanredni profesor**	Fakultet za graditeljski menadžment Univerzitet „Union – Nikola Tesla“ Beograd, Srbija
2016.	**Docent**	
2017-2022	**Naučni saradnik**	Matematički institut SANU, Beograd

ČLANSTVA U STRUKOVNIM I AKADEMSKIM UDRUŽENJIMA

2018	Zadužbina Andrejević

ISTRAŽIVAČKI PROJEKTI

2006-2008	Primena evropskih postupaka za izračunavanje potrebne i određivanje dozvoljene specifične potrošnje energije za grejanje novih i postojećih

	stambenih zgrada (NPEE 283011), Ministarstvo nauke i zaštite životne sredine. Rukovodilac prof dr Dubravka Mijuca, Matematički fakultet, Univerzitet u Beogradu.
2008-2011	Povećanje energetske efikasnosti pri koncepcijskom rešavanju iskorišćenja obnovljivih resursa u funkciji održivog razvoja, Ministarstvo nauke, (EE18031). Rukovodilac prof dr Svetlana Stević, Fakultet za graditeljski menadžment, Univerzitet Union, Beograd
2011-2014	Razvoj, projektovanje i implementacija savremenih strategija integrisanog upravljanja operativnim radom i održavanjem vozila i mehanizacije, Ministarstvo prosvete, nauke i tehnološkog razvoja, (TR 35030). Rukovodilac prof dr Gradimir Ivanović, Mašinski fakultet, Univerzitet u Beogradu
2012-2019	Aproksimacija integralnih i diferencijalnih operatora i primene, Ministarstvo prosvete, nauke i tehnološkog razvoja, (OI 174015). Rukovodilac prof dr Gradimir Milovanović, Matematički institut SANU, Beograd.

ODABRANE PUBLIKACIJE

Z. Milovanović Jeknić, A. Delić, S. Živanović, A two dimensional boundary value problem of elliptic type with nonlocal conjugation conditions, IMA Journal of Numerical Analysis, drad084, https://doi.org/10.1093/imanum/drad084, 2023

Zorica Milovanović Jeknić, Bratislav Sredojević, Dejan Bojović, On the numerical solution of an elliptic problem with nonlocal boundary conditions, Electronic Transactions on Numerical Analysis. Volume 59, pp. 179–201, 2023

Bratislav Sredojević, Zorica Milovanović Jeknić, Dejan Bojović, A finite difference scheme for the approximation of the third initial boundary value parabolic problem, Electronic Transactions on Numerical Analysis. Volume 59, pp. 342–355, 2023

A. Delić, S. Živanović, Z. Milovanović Jeknić, A finite-difference scheme for a linear multi-term fractional-in-time differential equation with concentrated capacities, IJNAM , Vol 18, Num 2, pp 265-286, 2021

Aleksandar Milajić, Dejan Beljaković, Z. Milovanović Jeknić, Milan Trivunić, Vlastimir Radonjanin, Metodologija za izbor optimalne izolacije zidova i tipa i veličine prozora u odnosu na troškove građenja i energetske performanse objekta, FTN, Novi Sad-Novo tehničko rešenje na međunarodnom nivou, 2021

Z. Milovanović Jeknić., *Parabolic-Hyperbolic Transmission Problem in Disjoint Domains*, ACTA17-Special issue, Filomat, University of Nis, Fac Sci Math, 32, 20, pp. 6911 –6920, 0354-5180, 10.2298/FIL1820911M, Dec 2018.

Z. Milovanović Jeknić, Jedna klasa nestandardnih konturnih problema, Zadužbina Andrejević suizdavač Matematički institut SANU, ISBN 978-86-525-0325-4, Beograd, 2018

Z. Milovanović Jeknić, Jovanović B. Convergence of a Factorized Finite Difference Scheme for a Parabolic Transmission Problem. In: Dimov I., Faragó I., Vulkov L. (eds) Numerical Analysis and Its Applications. NAA 2016. Lecture Notes in Computer Science, vol 10187, pp. 375-382, Springer, Cham, DOI: 10.1007/978-3-319-57099-0_41, 2017

S. Stević, Z. Milovanović, M. Stamatović, Sustainable model of hydro power development Drina river case study, Renewable and Sustainable Energy Reviews, 50, pp 363-371, 2015

B.S. Jovanović, Z.D. Milovanović, Numerical approximation of 2D Parabolic Transmission Problem in Disjoint Domains, Applied Mathematics and Computation, 228, pp 508-519, 2014

Z.D. Milovanović, Elliptic Transmission Problem in Disjoint Domains, Matematički vesnik 66,4, pp 418-429, 2014

B.S. Jovanović, Z.D. Milovanović, Finite Difference Approximation of a Parabolic Problem with variable coefficients, Publ. Inst. Math., 95(109), 2014 pp 49-62.

Z.D. Milovanović, Finite Difference Scheme for a Parabolic Transmission Problem in Disjoint Domains, Numerical Analysis and Its Applications 2012, Lecture Notes in Computer Science, Vol. 8236, Springer, 2013, pp. 403-410.

Z.D. Milovanović, Convergence of a Finite Difference Scheme for a Parabolic Transmission Problem in Disjoint Domains, Proceedings in Applied Mathematics and Mechanics, 2013, pp 433-434.

A.M. Delić, B.S. Jovanović, Z.D. Milovanović, On the transmission eigenvalue problem in disjoint domains, Comput. Methods Appl. Math., vol. 11, No. 4 , 2011, pp. 407-417.

Stevovic S., Milovanovic Z., Milajic A: New Methodological Approach in Techno-Economic and Environmental Optimization of Sustainable Energy Production, Thermal Science, 2010, Vol.14, No.3, pp 809-819

Z.D. Milovanovic, B.S. Jovanovic, About some spectral problems containing Dirac distribution, Proc. of XVIII Conference on Applied Mathematics (PRIM 2009) held in Subotica (Serbia) 2009, University of Novi Sad, Faculty of Sciences, DMI, Novi Sad 2010, pp. 31-38.

KONFERENCIJE

XVIII Seminar primenjene matematike (ПРИМ 2009), sa izlaganjem: "About Some Spectral Problems Containing Dirac Distribution", Subotica, 2009.
Pannonian Mathematical Modeling International Conference (PAMM 2011), sa izlaganjem: "About Transmission Eigenvalue Problem in Disjoint Domains", Novi Sad, Serbia, April 29-30, 2011
NAA'12: Fifth International Conference on Numerical Analysis and Applications, sa izlaganjem: "Finite Difference Scheme for a Parabolic Transmission Problem in Disjoint Domains", Lozenetz, Bulgaria, June 15-20, 2012.
GAMM 2013: 84th Annual Meeting of the International Association of Applied Mathematics and

Mechanics, sa izlaganjem: "Convergence of a Finite Difference Scheme for a Parabolic Transmission Problem in Disjoint Domains", Novi Sad, Serbia, March 18-22, 2013
XIII Serbian Mathematical Congress, sa izlaganjem: "Numerical approximation of 2D elliptic transmission problem in disjoint domains", Vrnjačka Banja, Serbia, May 22-25, 2014
Sixth Conference on Finite Difference Method: Theory and Applications, sa izlaganjem: "The transmission problem for elliptic second order equations in disjoint domains", Lozenetz, Bulgaria, June 18-23, 2014.
Sixth Conference on Numerical Analysis and Applications sa izlaganjem: Convergence of a Factorized Finite Difference Scheme for a Parabolic Transmission Problem, Lozenetz, Bulgaria, June 15-22, 2016.
Approximation and Computation, Theory and Application sa izlaganjem: Parabolic-Hyperbolic Transmission Problem in Disjoint Domains, November 30-December 2, 2017, Belgrade, Serbia
XIV Serbian Mathematical Congress sa izlaganjem: Numerical solution of parabolic-hyperbolic transmission problem, May 16-19, 2018, Kragujevac, Serbia
Seventh Conference on Finite Difference Method: Theory and Applications, sa izlaganjem: One class of contour problems with nonlocal integral conjugation conditions, Lozenetz, Bulgaria, June 11-16, 2018.
Congress of Young Mathematicians sa izlaganjem: Nonlocal boundary value problem, October 3-5, Novi Sad, Serbia, 2021
Jedanaesti simpozijum Matematika i primene sa izlaganjem: Metoda konačnih razlika za linearnu višečlanu jednačinu subdifuzije, Matematički fakultet, Decembar 3-4, Beograd, 2021
Mathematics, Numerics and Applications , The international conference, sa izlaganjem Convergence of a finite difference scheme for mixed parabolic-hyperbolic transmission problem, Budva, Montenegro on June 1-3, 2022
Numerical Methods for Large Scale Problems, sa izlaganjem On the Numerical Solution of a Elliptic Problem with Nonlocal Boundary Condition, Belgrade, June 6-10, 2022
Congress of Young Mathematicians sa izlaganjem: About some elliptic transmission problems, September 29-October 1, Novi Sad, Serbia, 2022
Dvanaesti simpozijum Matematika i primene sa izlaganjem: Aproksimacija nekih eliptičkih transmisionih problema, Matematički fakultet, Decembar 2-3, Beograd, 2022
Analysis, Approximation, Applications, The international conference sa izlaganjem, Numerical Analysis of Hyperbolic Transmission Problem on Disjoint Intervals, Jun 21-24, Vrnjačka Banja, Srbija, 2023