BIBLIOGRAFIJA:

Prof. dr Biljana Stamatović

Books:

1. B.Stamatovic, V. Vukoslavcevic, Key entrance in mathematics on State University, Kulturno prosvjetna zajednica, Podgorica, 2000
2. B.Stamatovic, S. Stamatovic, Combinatorics. Probability and statistics, Department of mathematics, University of Montenegro, ISBN 86-905195-2-1, 2005

Projects:

1. Member of MC in Language In The Human-Machine Era, Cost action CA19102, 2020-2024
2. Manager of innovative project "Joining to EUREF permanent network with Multi GNSS CORS stations in Montenegro" 2019-2020
3. Manager of billateral project with China "Identifying antimicrobial peptides and their functional types based on Cellular Automata" 2019-2020
4. Member of innovative project "Real-Time Environmental Parameters Monitoring System-RTEPMS", 2019-2020
5. Member of pilot Horizon 2020 project TagItSmart, Smart tags driven service platform for enabling ecosystems of connected objects, Grant agreement #688061
6. Distant Reading for European Literary History, COST Action CA16204, 2017-2021
7. Mathematics for Industry Network (MI-NET), Cost action TD 1409, 2015-2018
8. Manager of billateral project with Serbia „Fractional and cellular automata models of wave propagation: Analysis, synthesis and application", 2016-2018
9. Network for Sustainable Ultrascale Computing (NESUS) COST action IC1305, 2014-2017
10. Manager of billateral project with China " Studying protein evolution model based on Cellular automata", 2012-2014
11. Manager of billateral project with Slovenia " Shape recognition with cellular automata", 2012-2013
12. Manager of national project " Discrete structures and dynamic models with applications", 2012-2015
13. Manager of project team for developing software application „Frequent Flyer program" for Montenegro Airlines, 2005
14. Member of project team (MEIS) who developed software applications for Ministry of education and science, 2004-2009
15. Manger of national researcher project team: Discrete structures in solving contemporary problems in different part of computer science, Ministry of education and science, 2005-2006
16. Member of project team (MEIS) who projected database IS for Ministry of education and science, 2003
17. Member of project team (ARHIS) who developed software applications for State Archive, 2001
18. Member of national researcher project team: Algebra and Discrete mathematics, Ministry of education and science, 2000-2002
19. Member of project team (IPAS) who developed software applications for Montenegro Statistic 2000
20. Member of national researcher project team: Algebra with applications, Ministry of education and science, (1995-1998)

Papers in international databases

SCI journals (Thomson Reuters Master Journal List):

1. Xuan Xiao, Yu-Tao Shao, Xiang Cheng, Biljana Stamatovic, iAMP-CA2L: a new CNN-BiLSTM-SVM classifier based on cellular automata image for identifying antimicrobial peptides and their functional types, Briefings in Bioinformatics, Volume 22, Issue 6, November 2021, https://doi.org/10.1093/bib/bbab209
2. Xuan Xiao, Guang-Fu Xue, Biljana Stamatovic, Wang-Ren Qiu:"Using Cellular Automata to simulate domain evolution in proteins ", Frontiers in Genetics, Computational Genomics,DOI:10.3389/fgene.2020.00515, 2020.
3. Biljana Stamatovic, Goran Kilibarda: "Algorithm for Identification of Infinite Clusters Based on Minimal Finite Automaton," Mathematical Problems in Engineering, vol. 2017, Article ID 8251305, 7 pages, 2017. doi:10.1155/2017/8251305
4. Biljana Stamatovic,Roman Trobec:Cellular automata labeling of connected components in n-dimensional binary lattices, The Journal of Supercomputing, 2016, DOI: 10.1007/s11227-016-1761-4

5. Roman Trobec, Biljana Stamatovic: Analysis and Classification of Flow-Carrying Backbones in Two-Dimensional Lattices, Advances in Engineering Software, December 2015, DOI:10.1016/j.advengsoft.2015.11.002

6. Biljana Stamatovic, Gregor Kosec, Roman Trobec, Xiao Xuan, Sinisa Stamatovic: Cellular Automata Supporting n-Connectivity, Mathematical Problems in Engineering, (2014), Article ID 765798, 6 pages

7. Xiao Xuan, Wang Jian-hong, Biljana Stamatovic: Iterative Selection of Unknown Weights in Direct Weight Optimization Identification, Mathematical Problems in Engineering, (2014), Article ID 572092, 9 pages

8. B.Stamatovic: Automata recognition two-connected labyrinth with finite cycle diameter, Programming and Computer Software (Russ),Vol 36, No 3, 149-157, ISSN PRINT: 0361-7688 (2010)

9. S. Stamatovic, B. Stamatovic: Cox limit theorem for large excursions of a norm of a Gaussian vector process, Probability and Statistic Letters, p. 1479-1485, (2010)

10. V. Piterbarg, B. Stamatovic: Rough asymptotic of the probability of simultaneous high extreme of two Gaussian processes: the dual action functional. (Russian, English)[J] Russ. Math. Surv. 60, No.1, 167-168 (2005); translation from Usp. Mat. Nauk 60, No.1, 171-172, [ISSN 0036-0279](2005)

11. B.Stamatovic: Automata recognition of labyrinths, Discrete mathematics and applications, Vol. 10, No:2, DOI: https://doi.org/10.1515/dma.2000.10.2.203 (2000)

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12. Biljana Stamatovic, Rishabh Upadhyay, Nikolai Vatin: Cellular Automata in Modeling of Porous Building Materials and Solis Porous Media, Conference: International Scientific Conference Urban Civil Engineering and Municipal Facilities, Sant Petersburg, Volume: 117, DOI: 10.1016/j.proeng.2015.08.227 (2015)

13. Biljana Stamatovic, Roman Trobec: Identification of Backbones in a Two-Dimensional Percolation Site, Proceedings of the fourth international conference on parallel, distributed, grid and cloud computing for engineering, doi:10.4203/ccp.107.16, (2015)

14. Biljana Stamatovic, Artem Korsun: Local data flow principles in porosity of materials, Applied Mechanics and Materials, Vol 725-726, p.371-376 (2014)

International Encyclopedia:

15. Biljana Stamatovic, Sinisa Stamatovic, Extremes of Gaussian Processes and Fields, International Encyclopedia of Statistical Science, 2nd edition, article, 2024

Other international databases (ZENTRALBLATT...), proceedings and ISBN publication (Russian Academy of Science, …):

16. Hakile Resulbegoviq, Biljana Stamatović: SPATIAL STATISTICS AND APPLICATION OF THE GLOBAL POSITIONING SYSTEM IN FIELD SURVEYS, Kolašin, Montenegro, March 2022.

17. Biljana Stamatovic and all, ANALIZA PRECIZNOG POZICIONIRANJA KOJA UKLJUČUJE GALILEO SISTEM, I MOGUĆE PRIMJENE U RAZLIČITIM SEKTORIMA INDUSTRIJE, http://montepn.udg.edu.me/wp-content/uploads/2020/12/StudyMontePNs.pdf, studija, decembar 2020.

18. Biljana Stamatovic and all, PERMANENTNO GNSS OSMATRANJE U MULTIDISCIPLINARNIM ISTRAŽIVANJIMA, II kongres geologa Bosne I Hercegovine, IIKongresGeologa_Zborniksaetakairadova_final.pdf, 2019.

19. Biljana Stamatovic and all, EUREF NETWORK – STANDARDS AND CONNECTION PROCEDURE, THE 7th INTERNATIONAL CONFERENCE " CIVIL ENGINEERING - SCIENCE AND PRACTICE, Kolašin, Montenegro, March 2020

20. Biljana Stamatovic and all, Joining to EUREF permanent network with Multi GNSS CORS stations in Montenegro, EUREF 2019 Symposium, Tallinn, Estonia, June 2019

21. Biljana Stamatovic, Implementation of CA algorithm for 3D components, IT Zabljak, 2018

22. Stevan Šandi, Sanja Radonjić, Jovana Drobnjak, Marko Simeunović , Biljana Stamatović, and Tomo Popović, Smart Tags for Brand Protection and Anti - Counterfeiting in Wine Industry, IT Zabljak 2018.

23. Biljana Stamatovic, Labeling connected components in binary images based on cellular automata, Proceedings of the Second International Workshop on Sustainable Ultrascale Computing Systems, Krakow, Poland, ISBN: 978-84-608-2581-4 (2015)

24. Biljana Stamatovic, Roman Trobec, Data parallel algorithm in finding 2-D site percolation backbones, Proceedings of the First International Workshop on Sustainable Ultrascale Computing Systems, Porto, Portugal, ISBN: 978-84-617-2251-8 (2014)

25. Biljana Stamatovic, Roman Trobec, Gregor Kosec,CA algorithms for counting isolated regions in 2D domains, Civil engineering-Science and Practice, 5th international conference, Zabljak (2014)

26. Biljana Stamatovic, Peter Podsklan, Business process modelling, IT Zabljak , 2013
27. B.Stamatovic, Automata recognition tree-connected labyrinth with finite cycle diameter, Intelligent System (Russ), Том 13, выпуск 1-4, 129-140, ISBN 5-7281-0436-3, (2009)
28. B. Stamatovic, Automata recognition of a class labyrinths of letter A with collective automata, IX international conference „Intelligent systems and computer science" T1, part 2, (2006)
29. S. Stamatovic, B. Stamatovic, Gnedenko type limit theorem for chi proccesses, PRIM2004, (2006)
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33. S. Stamatovic, B. Stamatovic, Gnedenko type limit theorem for chi fields, Mathematica Montesnigri, Tom 18, (2006)
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38. B.Stamatovic, Automata recognition of one-connected digit, Intelligent systems, Moscow, T 3, 291-307, ISBN 5-7281-0436-3, (1998)

Other papers and presentations (international and local seminars, congresses, workshops,...)

39. Milos Todorovc, Ninoslava Tihi, Srdjan Popov, Biljana Stamatovic, TIME SERIES MODELS FOR WEATHER FORECASTING IN SMART CITIES, ALFATECH, 2024
40. Invited talk on DMFA (Society of Mathematicians, Physicists and Astronomers of Slovenia)
41. Biljana Stamatovic, Implementation of cellular automata labeling of connected components in 3D binary lattices, Mediterranean Natural Sciences and Engineering Congress (mensec2017), october 2017
42. Biljana Stamatovic, Eighth Management Committee Meeting and Fourth Action Workshop. COST Action IC1305, NESUS, Brussels, Belgium (october 2017)
43. Biljana Stamatovic, Seventh Management Committee Meeting and Sixth Working Group Meeting,COST Action IC1305, NESUS, Bayreuth, Germany (2017)
44. S. Jankovic, B.Stamatovic, Automated classification of web application parts from a blackbox security testing perspective, Information Technology, Zabljak, 2017
45. Biljana Stamatovic, Fifth MC meeting,COST Action IC1305, NESUS, Uppsala, Sweden (2016)
46. Biljana Stamatovic, " Labeling connected components in binary images based on cellular automata", Second Action WGs Workshop and Fourth MC meeting,COST Action IC1305, NESUS, Krakow, Poland, September 2015
47. Biljana Stamatovic, 17th EWM general meeting, Cortona, Italy, August 31 - September 4th, 2015
48. Sinisa Stamatovic, Biljana Stamatovic: "On the maximum distribution of Gaussian non centered fields", EVA2015, Ann Arbour, USA, June 2015
49. B.Stamatovic, A. Alibasic, Selecting and reporting data from XML database, Informacione Tehnologije 2015, Zabljak, 2015
50. Biljana Stamatovic, CA algorithms, Nesus Workshop and MC meeting, Porto, Portugal, August 27-28, 2014
51. Biljana Stamatovic, CA algorithm for n-connectivity in 2D and 3D domains, Seoul ICM 2014, NANUM 2014 grant, South Korea, August 13 - 21, 2014.
52. Biljana Stamatovic, Parallel CA algorithm for counting objects in 2D domains, 16th General meeting of EWM, 2013, Bonn, Germany, 1-6 September 2013., apstract (presentation)
53. B. Stamatovic, Automata recognition of labyrinth with finite hole, Contemporary problems in mathematics, mechanics and its solutions, Moscow, 2009
54. B. Stamatovic,Automata recognition of a class of two-connected labyrinths, EWM, Novi sad, Serbia, 2009

55. S. Stamatovic, B. Stamatovic, Cox limit theorem for chi fields, EVA6, Bern, Switzeland, 2007
56. B. Stamatović, G. Šuković, A. Popović, P. Bogojević, R. Sekulić, J. Mostić, Montenegro airlines's frequent flyer program software, IS'05, Herceg Novi, 2005
57. B. Stamatovic, Automata recognition of labyrinth, XI mathematician congress of Serbia and Montenegro, Petrovac, 2004
58. B. Stamatovic. Recognition of chess labyrinths with automata, PRIM2004, Budva, 2004
59. R. Rutešić, B. Stamatović, G. Šuković, V. Sekulić, Project of information system for education system of Montenegro, IT'04 Žabljak, 2004
60. B. Stamatovic, Recognition of labyrinth with automata (Uniform Structures), First congres of mathematicians for SE Europe (MASSEE), Borovec, Bulgaria, 2003
61. B. Stamatovic, Information system of State archive in Montenegro – ARHIS, INFOFEST, Budva, 2001
62. B. Stamatovic, Recognition of labyrinth with automata (digits), European Congress of Mathematics, Barcelona, Spain, 2000

Expert and research activities:

- CWM ambassador
- Biljana Stamatovic, MC Observer, NESUS COST IC1305
- Biljana Stamatovic, reviewer, journal Materials&Design, Elsevier
- Biljana Stamatovic, reviewer, journal Technical Gazzete
- Manager of bilateral project with China " Studying protein evolution model based on Cellular automata", 2012-2014
- Manager of national project " Discrete structures and dynamic models with applications", 2012-2014
- Manager of bilateral project with Slovenia " Shape recognition with cellular automata", 2012-2013
- ICT events, Brussel 2010, Zagreb 2010,Varszaw 2011
- National coordinator in EWM (European Women in Mathematics) (2009 -...)
- Database Design and SQL programming, Instructor certificate, Brussel, Belgium 2009
- Manager of project team for developing software application „Frequent Flyer program" for Montenegro Airlines, 2005
- Member of project team (MEIS) who developed software applications for Ministry of education and science, 2004-2009
- Manger of national researcher project team: Discrete structures in solving contemporary problems in different part of computer science, Ministry of education and science, 2005-2006
- International Training Course on Computer Software Technology sponsored by the Government of the People's Republic of China, 2004
- Expert Seminar on ICT, Graz, Austria, 2003
- Member of project team (MEIS) who projected database IS for Ministry of education and science, 2003
- Member of project team (ARHIS) who developed software applications for State Archive, 2001
- Member of national researcher project team: Algebra and Discrete mathematics, Ministry of education and science, 2000-2002
- Member of project team (IPAS) who developed software applications for Montenegro Statistic 2000
- Member of national researcher project team: Algebra with applications, Ministry of education and science, (1995-1998)
- B. Stamatović, Review of papers in Zentralblatt fur Mathematik (2000-...)
- Activities for secondary schools needs (book reviewer, national olympiad, mature exam,...)