euro*pass* Curriculum Vitae Jelena Stojanov

PERSONAL INFORMATION

Jelena Stojanov



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- https://orcid.org/0000-0002-2237-8026 http://tfzr.rs/Jelena-Stojanov-biografija-eng/Kratka-biografija-eng/1 https://www.researchgate.net/profile/Jelena-Stojanov

Sex female | Date of birth 11/05/1974 | Nationality Serbian

POSITION

Associate Professor, University of Novi Sad, Technical Faculty "Mihajlo Pupin" Zrenjanin

WORK EXPERIENCE

25.09.2020. - Associate professor

Technical Faculty "Mihajlo Pupin", University of Novi Sad, http://www.tfzr.rs/

- Lecturing mathematical courses (Probability and Statistics, Graph Theory, Algebra, Analysis, Discrete Mathematics, Selected topics in Statistics, Selected topics in Mathematics, Mathematical theory of Networks),
- Scientific work in areas of applied mathematics, differential geometry, tensor calculus, and mathematics education
- Head of the department for basic and applied sciences, since November 2024

Business or sector University education

25.09.2015. - 24.09.2020.

Assistant professor

Technical Faculty "Mihajlo Pupin", University of Novi Sad, http://www.tfzr.uns.ac.rs

- Lecturing mathematical courses (Probability and Statistics, Graph Theory, Algebra, Discrete mathematics, Mathematical Analysis),
- Scientific work in areas of differential geometry and mathematics education

Business or sector University education

01.09.1998 - 24.09.2015.

Teaching assistant

Technical Faculty "Mihajlo Pupin", University of Novi Sad, http://www.tfzr.uns.ac.rs

- Teaching mathematical courses (Probability and Statistics, Graph Theory, Mathematics 1, Mathematics 2, Mathematics 3),
- Scientific work in area of differential geometry

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Business or sector University education

EDUCATION AND TRAINING

2012. - 2015. PhD. Mathematical science

EQF level 8

University of Novi Sad, Faculty of Sciences,

PhD Thesis: Anisotropic frameworks for dynamical systems and image processing

https://nardus.mpn.gov.rs/handle/123456789/1690

Geometry

2005. Master of Science, Mathematics

EQF level 8

University of Novi Sad, Faculty of Sciences,

Master Thesis: Геометрија кривих у просторима оскулације вишег реда

(Geometry of curves in osculating spaces of higher order)

Geometry

1993. - 1998. **Teacher of Mathematics**

EQF level 6

University of Novi Sad, Faculty of Sciences,

PERSONAL SKILLS

Mother tongue(s)

Serbian

Other language(s)

UNDERSTANDING		SPEAKING		WRITING
Listening	Reading	Spoken interaction	Spoken production	
B2	C1	B2	B2	B2
A1	A2			

Russian

English

Communication skills

- good communication skills gained through my experience as lecturer and as participant in national and international projects
- good cooperation with colleagues (resulted in coauthored scientific papers)

Organisational / managerial skills

- leadership and decision making: Member of the steering committee and the organizing committee of the international conference ITRO; Editor in Chief and President of the Organizing Committee ITRO 2019, 2024, http://www.tfzr.rs/itro/, Head of the department for basic and applied sciences
- ("Fostering Mathematics Teacher's Digital manager Competencies", http://www.tfzr.uns.ac.rs/Naucni-i-strucni-projekti/Projekat-Podsticanje-digitalnih-kompetencijanastavnika-matematike/1)
- Organization of teaching courses (currently responsible for eight university courses)
- Member of the Faculty Council (2021 2024)
- Mentorship of two PhD students (ongoing)
- Job-related skills
- multitasking (simultaneous projects participation, teaching activities, scientific research, and



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mentorship)

problems analysing and solving

Computer skills

good command of Microsoft Office™ tools, LaTeX, GeoGebra, Maple, SPSS

Driving licence

B category

ADDITIONAL INFORMATION

Publications

• Вероватноћа и статистика, Технички факултет "Михајло Пупин", Зрењанин, 2019, http://tfzr.rs/Content/files/1/VS-udzbenik2019.pdf (university textbook: Probability and statistics, electronic edition)

Projects

- Manifolds with F-structures and singularities. Project number 1262. 2002-2005. Ministry of Science and Environmental Protection, Republic of Serbia.
- Sustaining excellence in mathematical education. MIS ETC Code: 1411. 2013-2014. Romania-Republic of Serbia IPA Cross-border Cooperation Programme, Priority Axis: 3, Measure: 3.3. Project leader: West University Timisoara, Romania. Project partner: Technical faculty "Mihajlo Pupin" Zrenjanin, Serbia.
- Smart system based on IoT technology designed for monitoring of traffic air pollution. Ministry for scientific and technological development, higher education and information society Republic of Srpska, Bosnia and Hercegovina. Project contract number 19.030/3-2-25-2/19. Project was implemented in 2020 at University of East Sarajevo, Faculty of transport and traffic engineering, Republic of Srpska, Bosnia and Herzegovina.
- Fostering Mathematics Teacher's Digital Competencies. International Mathematical Union Commission Program for Developing Countries. Project Support 2022/15. https://www.mathunion.org/cdc/grants/project-support-program/project-support-2022
- COST (European Cooperation in Science and Technology): CA22153 European Curvature and Biology Network (EuroCurvoBioNet), 2023-2027, https://www.cost.eu/actions/CA22153/; CA21109 - Cartan geometry, Lie, Integrable Systems, quantum group Theories for Applications (CaLISTA), 2022-2026, https://www.cost.eu/actions/CA21109/

Conferences

Multiple participation to international conferences, some of them are listed

- Geometrical seminar, 2012, 2014, 2016, 2018, 2022, 2024 (http://poincare.matf.bg.ac.rs/~geometricalseminar/about.php)
- Pure and Applied Differential Geometry, 2023 (https://wis.kuleuven.be/events/padge-2023/padge2023)
- Information Technology and Education Development 2012, 2017, 2018, 2019, 2020, 2022,2023 (http://tfzr.rs/itro/)
- International conference on Applied Internet and Information Technologies 2018, 2019, 2020, 2023

(http://tfzr.rs/aiit/)

- Differential Geometry and Dynamical Systems, 2017 (http://www.mathem.pub.ro/proc/bsgp-25/bsgp-25.htm)
- 13th Serbian Mathematical Congress, 2014 (http://tesla.pmf.ni.ac.rs/people/smak/participants.php#pos)
- International Symposium on Intelligent Systems and Informatics, 2017

Seminars

 participation in an international program: "Special Finsler structures and controlled dynamical systems applied in Biology", Scientific research under the supervision of Prof.dr. Vladimir Balan. Department Mathematics-Informatics, Faculty of Applied Sciences - University Politehnica of Bucharest, Romania. 15-30 May 2012.

Memberships

- Serbian Mathematical Sciences Association (http://snmd.mi.sanu.ac.rs/)
- IEEE



References

- Stojanov J. (2024). Geometrical eigenproblem of various types higher order tensors in Riemannian space. accepted for publication in Filomat 38(2024) [M22]
- Gaborov M, Stojanov Z, Popov S, Stojanov J, Kavalić M, Kovač D, Vecštejn I. (2024). Development and Validation of a Theoretical Model for Addressing Problems in Agile Meetings: A Systematic Literature Review and a Qualitative Study. Applied Sciences. 2024; 14(21):9689. https://doi.org/10.3390/app14219689 [M22]
- Pekez, J., Stojanov, J., Mihajlovic, V. et al. The impact analysis of education on raising awareness towards climate change and energy efficiency. Int J Technol Des Educ (2024). https://doi.org/10.1007/s10798-024-09904-7 [M22]
- Ognjenovic, V., Stojanov, J., Brtka, V., Blazic, M., Brtka, E. and Berkovic I. (2024). Method PPC for Precise Piecewise Correlation after Histogram Segmentation, Symmetry 16, no. 4: 472. https://doi.org/10.3390/sym16040472 [M22]
- Dobrilovic, D., Stojanov, J., Peraković, D., Jotanovic, G., Jausevac, G. (2024). A Method with Roulette Selection Strategy for Path Planning in UAV-Based Waste Monitoring Systems. In: Knapčíková, L., Peraković, D. (eds) 8th EAI International Conference on Management of Manufacturing Systems. MMS 2023. EAI/Springer Innovations in Communication and Computing. Springer, Cham. https://doi.org/10.1007/978-3-031-53161-3 6 [M33]
- Hristoski I., Stojanov J., Stojanov Z. (2023). Design Considerations for a Generic Graph Database in Archival Document Management. In Proceedings of the 13th International conference on Applied Internet and Information Technologies (AIIT2023), pp. 360-367. Bitola, North Macedonia. ISBN 978-608-5003-03-7 [M33]
- Jovanov B., Milosavljević Pavković K., Milanović K. and **Stojanov J**. Attitudes of Teachers and Professional Associates on the Organization of School Work Using the Platform Microsoft Teams 365., In Proceedings of the 14th International Conference on Information Technology and Development of Education (ITRO2023), pp. 155-160. Zrenjanin, Serbia. ISBN: 978-86-7672-372-0 [M33]
- Sekulic T., Stojanov J., Augmented Reality Learning Environment for Mathematics and Sciences in GeoGebra 3D, In Proceedings of the 14th International Conference on Information Technology and Development of Education (ITRO2023), pp. 61-65. Zrenjanin, Serbia.ISBN: 978-86-7672-372-0 [M33]
- Jelena Stojanov and Vladimir Balan, (2023) Eigenproblem of tensors a geometrical viewpoint, Filomat 37(25), pp. 8603–8609. https://doi.org/10.2298/FIL2325603S. [M22]
- Zeljko Stojanov; Ilija Hristoski; Jelena Stojanov; Aleksandra Stojkov, (2023) A Tertiary Study on Microservices: Research Trends and Recommendations, Programming and Computer Software 49, pp. 796–821, https://doi.org/10.1134/S0361768823080200. [M23]
- Jelena Stojanov, Tanja Sekulic, Dragana Risteski, (2022) How to Increase Mathematics Teacher's Digital Competencies, In Proceedings of the 13th International Conference on Information Technology and Development of Education (ITRO 2022), pp. 103-106. Zrenjanin, Serbia. [M33]
- Visnja Ognjenovic, Vladimir Brtka, Jelena Stojanov, Eleonora Brtka, Ivana Berkovic. (2022) The Cuts Selection Method Based on Histogram Segmentation and Impact on Discretization Algorithms ENTROPY, 24 (5). [M22]
- Zeljko Stojanov, Jelena Stojanov, Gordana Jotanovic, and Dalibor Dobrilovic (2020) Weighted networks in socio-technical systems: concepts and challenges. In Proceedings of the 2nd International Workshop on Information, Computation, and Control Systems for Distributed Environments (ICCS-DE 2020), pp. 236-247. Irkutsk, Russia. [M33]
- Dalibor Dobrilovic, Zeljko Stojanov, Jelena Stojanov, and Milan Malic (2020) Tools for modelling distance estimation based on RSSI. In Proceedings of the 2nd International Workshop on Information, Computation, and Control Systems for Distributed Environments (ICCS-DE 2020), pp. 43-52. Irkutsk, Russia. [M33]
- Gordana Jotanovic, Jelena Stojanov, Dragan Perakovic, Zeljko Stojanov, Goran Jausevac, Mirko Stojicic (2020) Internet of Things Technology Purposeful For Monitoring Road Traffic Air Pollution. In Proceedings of the 10th International conference on Applied Internet and Information Technologies (AIIT2020), pp. 53-57. Zrenjanin, Serbia. ISBN 978-86-7672-342-3.[M33]
- Jelena Stojanov, Dragana Drašković and Zorica Zeljković (2020) Mathematical problems in final exams through the PISA perspective. In Proceedings of the 11th International Conference on Information Technology and Development of Education (ITRO 2020), pp. 120-123. Zrenjanin, Serbia. ISBN 978-86-7672-341-6. [M33]
- Vladimir Balan and Jelena Stojanov (2019) Anisotropic image evolution of Synge-Beil type. Filomat 33(4), pp. 1071-1079. ISSN 0354-5180. [M22]
- Zorica Zeljković, Dragica Musulin Kolarov, Dragana Žigić, and Jelena Stojanov (2019) Advantages and Disadvantages of E-Class Registers (Teachers' Logbooks). In Proceedings of the 10th International Conference of Information Technology and Development of Education (ITRO 2019), pp. 146-151. Zrenjanin, Serbia. ISBN: 978-86-7672-322-5. [M33]
- Zeljko Stojanov, Jelena Stojanov and Dalibor Dobrilovic (2019) Qualitative Research on Software Engineering Industrial Practice: Lessons Learned from Previous Studies. In Proceedings of the 9th



- International conference on Applied Internet and Information Technologies (AIIT2019), pp. 187-192. Zrenjanin, Serbia. ISBN: 978-86-7672-327-0. [M33]
- Jelena Stojanov, Goran Jauševac, Zeljko Stojanov and Ilija Hristoski (2019) Graphs in modelling local road networks: a preliminary literature review. In Proceedings of the VII International Symposium NEW HORIZONS 2019 of Transport and Communications, pp. 535-541. Doboj, Republika Srpska, Bosna and Hercegovina. ISBN 978-99955-36-79-4. [M33]
- Zeljko Stojanov, Jelena Stojanov and Dalibor Dobrilovic (2019) A lightweight inductive method for process assessment based on frequent feedback: A study in a micro software company. Journal of Engineering Management and Competitiveness (JEMC), Vol. 9, No. 2, pp. 134-147. ISSN 2334-9638.
- Zeljko Stojanov, Dalibor Dobrilovic and Jelena Stojanov (2018) Extending data-driven model of software with software change request service. Enterprise Information Systems, 12(8-9), pp. 982-1006. DOI: 10.1080/17517575.2018.1445296. ISSN 1751-7575. [M21]
- Jelena Stojanov and Vladimir Balan (2018) Spectral Cartan properties in Randers-type spaces.
 Balkan Society of Geometers, Proceedings, vol. 25, 2018, pp. 96-110. Proceedings of The International Conference Differential Geometry, Dynamical Systems (DGDS-2017), 12-15 October 2017, University Politehnica of Bucharest, Romania. ISSN 1843-2859. [M33]
- Zeljko Stojanov, Jelena Stojanov, Tamara Zoric and Dalibor Dobrilovic (2018) Technical aspects of task complexity in corrective maintenance: A model and implementation. In Proceedings of the 9th International Conference of Information Technology and Development of Education (ITRO 2018), pp. 127-132. Zrenjanin, Serbia. 29 June 2017. ISBN 978-86-7672-310-2. [M33]
- Zeljko Stojanov and Jelena Stojanov (2018) Trends in software maintenance support tasks: A study in a micro software company. In Proceedings of the 8th International conference on Applied Internet and Information Technologies (AIIT2018), pp. 73-77. Bitola, Macedonia. 5th October 2018 DOI: 10.20544/AIIT2018.P16. ISBN 978-9989-870-80-4. [M33]
- Zeljko Stojanov, Jelena Stojanov and Dalibor Dobrilovic (2018) Domain Complexity in Corrective Maintenance Tasks' Complexity: An Empirical Study in a Micro Software Company. Theory and Applications of Mathematics & Computer Science, Vol. 8, No. 1, pp. 24-38. ISSN: 2247–6202. [M53]
- Zorica Zeljkovic and Jelena Stojanov (2017) An Approach for Increasing Pupil's Motivation -Mathematical Tournament. In Proceedings of the VIII International Conference of Information Technology and Development of Education 2017 (ITRO 2017), pp.178-181.Zrenjanin, Serbia. June 22 2017. ISBN 978-86-7672-302-7. [M33]
- Zeljko Stojanov, Jelena Stojanov, Dalibor Dobrilovic and Nikola Petrov (2017) Trends in software maintenance tasks distribution among programmers: A study in a micro software company. In Proceedings of the IEEE 15th International Symposium on Intelligent Systems and Informatics (SISY2017), pp. 23-27. 14-16September 2017. Subotica, Serbia. ISBN 978-1-5386-3855-2. DOI: 10.1109/SISY.2017.8080547. [M33]
- Zeljko Stojanov, Jelena Stojanov, Tamara Zoric and Dalibor Dobrilovic (2018) Technical aspects of task complexity in corrective maintenance: A model and implementation. In Proceedings of the 9th International Conference of Information Technology and Development of Education (ITRO 2018), pp. 127-132. Zrenjanin, Serbia. 29 June 2017. ISBN 978-86-7672-310-2. [M33]
- Vladimir Balan and Jelena Stojanov (2017) Anisotropic extensions of the Beltrami framework. In the Proceedings of the Second Conference on Mathematics in Engineering: Theory and Applications (META 2017), pp.69-74. Novi Sad, Serbia. June23-24th 2017. ISBN978-86-7892-945-8. [M63]
- Vladimir Balan and Jelena Stojanov (2015) Finsler-type estimators for the cancer cell population dynamics. Publications de l'Institut Mathematique 98(112), 53-69. DOI: 10.2298/PIM140602001B. ISSN 0350-1302. [M23]
- Vladimir Balan and Jelena Stojanov (2015) Applications of the Mean Curvature Flow Associated to Anisotropic Generalized Lagrange Metrics in Image Processing. Facta Universitatis, Series: Mathematics and Informatics 30(3), 353-359. ISSN 0352-9665 (Print) ISSN 2406-047X (Online). University of Niš, Serbia. [M51]
- Vladimir Balan, Jelena Stojanov, (2015) Finslerian-type GAF extensions of the Riemannian framework in digital image processing, Filomat, 29(3), 535-543. DOI 10.2298/FIL1503535B. ISSN 0354-5180. IM211
- Zeljko Stojanov, Jelena Stojanov, Dalibor Dobrilovic, (2015) Knowledge Discovery and Systematization through Thematic Analysis in Software Process Assessment Project. In Proceedings of IEEE 13th International Symposium on Intelligent Systems and Informatics (SISY 2015). pp. 25-30. September 17-19 2015. Subotica, Serbia. DOI: 10.1109/SISY.2015.7325405. ISBN 978-1-4673-9388-1. [M33]
- Vladimir Balan, Jelena Stojanov, (2014) Statistical Finsler-Randers structures for the Gamer cancer cell model. In Proceedings of RIGA 2014 (Riemannian Geometry and Applications to Engineering and Economics), pp. 11-20. Publishing House of the University of Bucharest. May 19-21, 2014. Bucharest, Romania. 4th Edition. ISBN 978-9-4603-5307-9. ISSN 2393-0519. [M33]
- Vladimir Balan, Jelena Stojanov, (2014) Anisotropic metric models in the Garner oncologic



- framework. ROMAI Journal 10(2), 65-74. ISSN 1841-5512, E-ISSN 2065-7714. Romanian Society for Applied and Industrial Mathematics ROMAI. [M33]
- Vladimir Balan, Jelena Stojanov, (2014) Finsler structures of 4-th root type in cancer cell evolution model. Bulletin of the Transilvania University of Brasov, Series III: Mathematics, Informatics, Physics, Vol 7(56), No. 2. pp. 3-10. ISSN 20652151. Transilvania University Press. [M33]
- Zeljko Stojanov, Dalibor Dobrilovic, Jelena Stojanov, Vesna Jevtic, (2013) Estimating Software Maintenance Effort by Analyzing Historical Data in a Very Small Software Company. Scientific Bulletin of The "Politehnica" University of Timişoara, Transactions on Automatic Control and Computer Science 58(72)(2), 131-138. ISSN 1224-600X. [M33]
- Zeljko Stojanov, Dalibor Dobrilovic, Jelena Stojanov, (2013) Analyzing Trends for Maintenance Request Process Assessment: Empirical Investigation in a Very Small Software Company. Theory and Applications of Mathematics & Computer Science 3(2), 59-74. ISSN 2067-2764; E-ISSN 2247-6202. "Aurel Vlaicu" University of Arad. [M33]
- Zeljko Stojanov, Dalibor Dobrilovic, Jelena Stojanov, Vesna Jevtic, (2013) Context Dependent Maintenance Effort Estimation: Case Study in a Small Software Company. In Proceedings of the 8th IEEE International Symposium on Applied Computational Intelligence and Informatics (SACI 2013), pp. 461-466. 23-25 May 2013. Timisoara, Romania. ISBN 978-1-4673-6400-3. DOI: 10.1109/SACI.2013.6609019. [M33]
- Vladimir Balan, Jelena Stojanov, (2013) Finslerian extensions of geodesic active fields for digital image registration. In Proceedings in Applied Mathematics and Mechanics / PAMM, Special Issue: 84th Annual Meeting of the International Association of Applied Mathematics and Mechanics (GAMM), Novi Sad march 18-22 2013; Editors: L. Cvetković, T. Atanacković and V. Kostić, Volume 13, Issue 1, pp. 493–494, December 2013. doi: 10.1002/pamm.201310239. [Wiley-VCH Verlag GmbH & Co. KGaA, Weinheim]. [M33]
- Jelena Stojanov, Zeljko Stojanov, (2012) Content Knowledge and Maturity in Mathematical and Computer Science Education. In Proceedings of the International Conference on Information Technology and Development of Education (ITRO 2012), pp. 182-186. June 2012. Zrenjanin, Serbia. ISBN 978-86-7672-167-2. [M33]
- Marijana Brtka, Jelena Stojanov, Vladimir Brtka, (2012) The Application of the Graph Theory in Cryptography. In Proceedings of International Conference on Applied Internet and Information Technologies (ICAIIT 2012), pp. 386-389. 26 October 2012. Zrenjanin, Serbia. ISBN 978-86-7672-173-3. [M33]
- Dalibor Dobrilovic, Vesna Jevtic, Jelena Stojanov, (2012) Issues About Application of Longest Path Algorithm for Project Duration Assessment. Scientific Bulletin of The "Politehnica" University of Timişoara, Transactions on Automatic Control and Computer Science 57(71)(1), 9-14. ISSN 1224-600X. [M33]
- Dalibor Dobrilovic, Vesna Jevtic, Jelena Stojanov, (2011) Application of modified shortest path algorithm for project duration assessment. In Proceedings of the 6th IEEE International Symposium on Applied Computational Intelligence and Informatics (SACI 2011), pp. 495–498. 19-21 May 2011. Timisoara, Romania. DOI: 10.1109/SACI.2011.5873054. [M33]
- Irena Comic, Jelena Stojanov, Gabrijela Grujic, (2008) The spray and antispray theory in the subspaces of Miron'sOsc^k(M). Novi Sad Journal of Mathematics 38(1), 155- 175. ISSN 1450-5444.
- Irena Comic, Gabrijela Grujic, Jelena Stojanov, (2005) The theory of subspaces in Miron's OsckM.
 Annales Universitatis Scientarium Budapes tinensis de Rolando Eötvös Nominatae Sectio Mathematica, 48(2005), 59–85. ISSN 0524-9007. [M24]
- Irena Comic, Gabrijela Grujic, Jelena Stojanov, (2004) The induced connections on the subspaces in Miron's OsckM, Publications de l'Institut Mathematique 76(90), 127-141. [M24]
- Irena Comic, Jelena Stojanov, Gabrijela Grujic,(2004) The Liouville vector fields in the subspaces of Miron's OsckM. In Radu Miron (Ed.) Lagrange and Hamilton Geometries and Their Applications. Handbooks, Treatises, Monographs 49 2004, pp. 67-92, Fair Partners Publishers, Bucharest, ISBN 973-8470-29-3. [M12]
- Irena Comic, Gabrijela Grujic, Jelena Stojanov, (2004) Frenet formulae in Miron's OsckM. In Proceedings of International Workshop on Applied Mathematics, pp. 32–54. Timisoara, Romania. ISBN 9789736616709. [M33]
- Irena Comic, Jelena Stojanov, (2004) Orthogonal decomposition of Tangent space of OsckM, Bulletins for applied & computer mathematics, BAM-CVI 2004, Nr.2203, pp. 107-116. [M24]
- Irena Comic, Jelena Stojanov, (2003) Horizontal and vertical curves in OsckM, Bulletins for applied & computer mathematics, BAM-2076B (CIV) 2003, Nr.2145, pp. 517-526. [M24]