

Bibliography-Zorica Stanimirović

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Books, monographs, book chapters

N. Kovač, **Z. Stanimirović**, T. Davidović, "Metaheuristic Approaches for the Minimum Cost Hybrid Berth Allocation Problem", in C. Konstantopoulos, G. Pantziou (Eds.). *"Modelling, Computing and Data Handling Methodologies for Maritime Transport"*, Springer, DOI 10.1007/978-3-319-61801-2_1, Chapter 1, pages 1-47, <https://link.springer.com/book/10.1007/978-3-319-61801-2#toc>

Z. Stanimirović *"Nonlinear programming"*, Faculty of Mathematics, University of Belgrade, ISBN 978-86-7589-081-2, COBISS.SR-ID 204579596, 2014 (in Serbian)

Z. Stanimirović, S. Mišković „Efficient Metaheuristic Approaches for Exploration of Online Social Networks“ (*chapter*), In: Wen-Chen Hu, Naima Kaabouch (Eds.); *Data Management, Technologies, and Applications*, Chapter 10, pp. 222-269, ISBN: 1-466-64699-3, IGI Global, 2013.

Z. Stanimirović, J. Kratica, V. Filipović, D. Tošić: *"Evolutionary approach for solving hub location problems"*, Zavod za udžbenike i nastavna sredstva, Beograd, ISBN: 978-86-17-17501-4, 2011 (in Serbian)

Z. Stanimirović, "Solving the Capacitated Single Allocation Hub Location Problem Using Genetic Algorithm", in: C. H.Skiadas, *"Recent Advances in Stochastic Modeling and Data Analysis"*, World Scientific Publishing Co Pte Ltd, 2007.

Peer-reviewed articles

J. Tasić, Z. Dražić, **Z. Stanimirović**. "A VNS method for the conditional p-next center problem." *Computers & Operations Research* 175 (2025): 106916, ISSN: 0305-0548 (published online November 2024), <https://doi.org/10.1016/j.cor.2024.106916> (IF 2023: 4.1)

R. Todosijević, O. Stančić, **Z. Stanimirović**, S. Mišković, "General variable neighborhood search for the capacitated single allocation hub maximal covering problem", *TOP*, ISSN: 1134-5764, 2024 (published online September 9, 2024), <https://doi.org/10.1007/s11750-024-00685-9> (IF 2023: 1.5)

O. Stančić, **Z. Stanimirović**, R. Todosijević, S. Mišković, "Mathematical formulations and solution methods for the uncapacitated r-allocation p-hub maximal covering problem", *Discrete Optimization*, ISSN: 1572-5286, Vol. 43, No. 100672, 2022, (IF 2022: 1.1)
<https://www.sciencedirect.com/science/article/abs/pii/S1572528621000517?via%3Dihub>

L. Mrkela, **Z. Stanimirović**, "A Multi-objective variable neighborhood search for the maximal covering location problem with customer preferences ", Cluster Computing, <https://doi.org/10.1007/s10586-021-03524-9>, 2022, Electronic ISSN 1573-7543, Print ISSN 1386-7857, Springer (IF 2021: 2.303)

L. Mrkela, **Z. Stanimirović**, „A variable neighborhood search for the budget-constrained maximal covering location problem with customer preference ordering“, Operational Research (Springer), published online 21 June 2021, ISSN 1109-2858 (IF 2021: 2.410)
<https://link.springer.com/article/10.1007/s12351-021-00652-3>, <https://doi.org/10.1007/s12351-021-00652-3>

N. Kovač, T. Davidović, **Z. Stanimirović**, "Population-based Metaheuristics for the Dynamic Minimum Cost Hybrid Berth Allocation Problem", International Journal on Artificial Intelligence Tools (publisher World Scientific), ISSN (print): 0218-2130 | ISSN (online): 1793-6349, Vol 30, No.4, 2021, <https://doi.org/10.1142/S0218213021500172> (IF 2020: 1.208).
<https://www.worldscientific.com/doi/epdf/10.1142/S0218213021500172>

D. Čvokić, **Z. Stanimirović**, "A Single Allocation Hub Location and Pricing Problem", Computational and Applied Mathematics, ISSN: 2238-3603 (Print) 1807-0302 (Online), Springer, First online 21 december 2019, Vol. 39, Article no. 40, pp. 1-24 March 2020. (IF 2018: 1.26) DOI: <https://doi.org/10.1007/s40314-019-1025-z> <https://link.springer.com/article/10.1007/s40314-019-1025-z>

A. Anokić, **Z. Stanimirović**, Đ. Stakić, T. Davidović, (2019). Metaheuristic approaches to a vehicle scheduling problem in sugar beet transportation. Operational Research, Print ISSN 1109-2858, Online ISSN 1866-1505, Springer, First Online 31 May 2019, DOI: <https://doi.org/10.1007/s12351-019-00495-z>, pp 1-33., <https://link.springer.com/article/10.1007/s12351-019-00495-z> (IF 2018: 1.485)

N. Kovač, T. Davidović, **Z. Stanimirović**, "Variable Neighborhood Search Methods for the Dynamic Minimum Cost Hybrid Berth Allocation Problem", Information Technology and Control, Vol. 47, No. 3, 2018, pp. 471-488, ISSN: 1392-124X, <http://dx.doi.org/10.5755/j01.itc.47.3.20420> (IF 2017: 0.800)

L. Mrkela, **Z. Stanimirović**, "Skewed Variable Neighborhood Search Method for the Weighted Generalized Regenerator Location Problem", Lecture Notes in Computer Science (LNCS), ISSN: 0302-9743, Vol. 11328, Springer, 2019, pp. 182–201, 2019, https://doi.org/10.1007/978-3-030-15843-9_15

A. Anokić, **Z. Stanimirović**, Đ. Stakić, T. Davidović, "General Variable Neighborhood Search for Scheduling Heterogeneous Vehicles in Agriculture Variable Neighborhood Search -6th International Conference, Lecture Notes in Computer Science (LNCS), ISSN: 0302-9743, Vol. 11328, Springer, 2019, pp. 125–140, 2019. https://doi.org/10.1007/978-3-030-15843-9_11

A. Anokić, **Z. Stanimirović**, T. Davidović, Đ. Stakić, "Variable Neighborhood Search for optimizing the transportation of agricultural raw materials", *International Transactions in Operational Research*, first published December 1st, 2017, ISSN: 1475-3995, Vol. 27, DOI: 10.1111/itor.12480, pp. 26-56, 2020. (IF 2017: 2.4)

S. Mišković, **Z. Stanimirović**, "A hybrid metaheuristic method for the deterministic and robust uncapacitated multiple allocation p-hub center problem", *European Journal of Industrial Engineering*, Vol. 11, No. 5, 2017, pp. 631-662, , ISSN: 1751-5254, <https://doi.org/10.1504/EJIE.2017.087705> (IF 2017: 1.085)

O. Janković, S. Mišković, **Z. Stanimirović**, R. Todosijević, "Novel formulations and VNS-based heuristics for single and multiple allocation p-hub maximal covering problems", *Annals of Operations Research*, Vol.259, No. 1-2, 2017, pp. 191-216, ISSN: 0254-5330, Springer, DOI 10.1007/s10479-017-2508-1 (IF 2017: 1.864)

A. Tumpa, S. Mišković, **Z. Stanimirović**, B. Jančić-Stojanović, M. Medenica, "Modeling of HILIC retention behavior with theoretical models and new spline interpolation technique", *Journal of Chemometrics*, Vol. 31, No. 9, pp. 2017, ISSN: 1099-128X, Wiley, DOI: 10.1002/cem.2910 (IF 2017: 1.500)

A. Anokić, **Z. Stanimirović**, T. Davidović, Đ. Stakić, "Variable Neighborhood Search for optimizing the transportation of agricultural raw materials", *Electronic Notes in Discrete Mathematics*, Vol. 58, 2017, pp. 135-142, ISSN: 1571-0653, Elsevier, DOI: 10.1016/j.endm.2017.03.018
<http://www.sciencedirect.com/journal/electronic-notes-in-discrete-mathematics/vol/58>

O. Janković, **Z. Stanimirović**, "A general variable neighborhood search for solving the uncapacitated r-allocation p-hub maximal covering problem", *Electronic Notes in Discrete Mathematics*, Vol. 58, 2017, pp. 23-30, ISSN: 1571-0653, Elsevier, DOI: 10.1016/j.endm.2017.03.004,
<http://www.sciencedirect.com/journal/electronic-notes-in-discrete-mathematics/vol/58>

Z. Stanimirović, S. Mišković, D. Trifunović, V. Veljović, "A Two-Phase Optimization Method for Solving the Multi-Type Maximal Covering Location Problem in Emergency Service Networks", *Information Technology and Control*, Vol. 46, No. 1, 2017, pp. 100-117, ISSN: 1392-124X, DOI <http://dx.doi.org/10.5755/j01.itc.46.1.13853> (IF 2017: 0.8)

S. Mišković, **Z. Stanimirović**, I. Grujičić, "Solving the robust two-stage capacitated facility location problem with uncertain transportation costs", *Optimization Letters*, Vol. 11, No. 6, 2017, pp. 1169-1184, ISSN: 1862-4472, Springer, DOI 10.1007/s11590-016-1036-2 (IF 2017: 1.013)

S. Mišković, **Z. Stanimirović**, "Variable Neighborhood Search Based Heuristics for the Hard Capacitated K-facility Location Problem", *IPSI BgD Transactions on Internet Research (TIR)*, ISSN 1820 - 4503, Volume 13, Number 2, 2017, pp. 1-9. <http://ipsitransactions.org/journals/papers/tir/2017jan/fullPaper.pdf>

A. Đenić, M. Marić, **Z. Stanimirović**, P. Stanojević, "A variable neighbourhood search method for solving the long-term care facility location problem", *IMA Journal of Management Mathematics*, ISSN 1471-678X, Oxford Academic, Vol. 28, No.2, 2017, pp. 321-338, doi: 10.1093/imaman/dpw008 (IF 2017: 1.277)

S. Mišković, **Z. Stanimirović**, "Hybrid metaheuristic method for solving a multi-period emergency service location problem", *Information Technology and Control*, Vol. 45, No. 3, 2016, pp. 321-337, ISSN: 1392-124X, DOI <http://dx.doi.org/10.5755/j01.itc.45.3.14041> (IF 2016: 0.475)

P. Stanojević, M. Marić, **Z. Stanimirović**, "A hybridization of an evolutionary algorithm and a parallel branch and bound for solving the capacitated single allocation hub location problem, *Applied Soft Computing*, ISSN:1568-4946, Elsevier, Vol. 33, 2015, pp. 24-36, DOI: 10.1016/j.asoc.2015.04.018 (IF 2015: 2.857)

S. Mišković, **Z. Stanimirović**, I. Grujić, "An efficient variable neighborhood search for solving a robust dynamic facility location problem in emergency service network", *Electronic Notes in Discrete Mathematics*, Vol. 47, 2015, pp.261-268, DOI: 10.1016/j.endm.2014.11.034, ISSN: 1571-0653, Elsevier

M. Marić, **Z. Stanimirović**, N. Milenković, A. Đenić, "Metaheuristic Approaches to Solving Large-Scale Bilevel Uncapacitated Facility Location Problem With Clients' Preferences", *The Yugoslav Journal of Operations Research- YUJOR*, Vol. 25, No. 3, pp. 361-378, 2015, DOI 10.2298/YJOR130702032M, ISSN: 0354-0243.

Z. Stanimirović, I. Grujić, D. Trifunović, "Modeling the emergency service network of police special forces units for high-risk law enforcement operations", *Information Systems and Operational Research - INFOR*, Information Systems and Operational Research - INFOR, Vol. 52, No. 4, 2014. pp. 206-226, ISSN: 0315-5986, Taylor & Francis, DOI: <http://dx.doi.org/10.3138/infor.52.4.206> (IF 2014: 0.171)

M. Marić, **Z. Stanimirović**, A. Đenić, P. Stanojević, "Memetic Algorithm for Solving the Multilevel Uncapacitated Facility Location Problem", *Informatica*, Vol. 25, No. 3, 2014, pp. 439-466. (IF 2014: 0.873)

Z. Stanimirović, M. Marić, N. Radojić, S. Božović, "Two Efficient Hybrid Metaheuristic Methods for Solving the Load Balance Problem", *Applied and Computational Mathematics*, 13(3), pp. 332-349, 2014, ISSN: 1683-3511, <http://acmij.az/view.php?lang=az&menu=cjournal&id=366> (IF 2014: 0.452)

M. Marić, **Z. Stanimirović**, S. Božović, "Hybrid metaheuristic method for determining locations for long-term health care facilities", *Annals of Operations Research*, 227 (1), 3-23, 2015. DOI: 10.1007/s10479-013-1313-8, ISSN: 0254-5330, Springer (IF 2015: 1.406)

Z. Stanimirović, S. Mišković "A hybrid evolutionary algorithm for efficient exploration of online social networks", *Computing and Informatics*, Vol. 33, No. 2, pp. 410–430, 2014, ISSN: 1335-9150, Slovak Academic Press (IF 2014: 0.504)

M. Marić, **Z. Stanimirović**, P. Stanojević, "An efficient memetic algorithm for the uncapacitated single allocation hub location problem", *Soft Computing*, Vol. 17, No.3, 2013, 445-466. <https://doi.org/10.1007/s00500-012-0919-0>, ISSN: 1432-7643, Springer (IF 2013: 1.304)

S. Mišković, **Z. Stanimirović**, "A Memetic Algorithm for Solving Two variants of the Two-Stage Uncapacitated Facility Location Problem", *Information Technology and Control* 42 (2), 131-149, 2013, <http://itc.ktu.lt/index.php/ITC/article/view/1768>, DOI: <http://dx.doi.org/10.5755/j01.itc.42.2.1768>, ISBN: 1392-124X (IF 2013: 0.813)

T. Rakić, **Z. Stanimirović**, A. Đenić, M. Marić, B. Jančić-Stojanović, M. Medenica "Comparison of interpolation polynomials with divided differences, interpolation polynomials with finite differences, and quadratic functions obtained by the least squares method in modeling of chromatographic responses", *Journal of Chemometrics*, Vol. 27, No. 12, 2013, pp. 466-474, ISSN: 1099-128X, Wiley, DOI: 10.1002/cem.2559 (IF 2013: 1.803)

Z. Stanimirović, M. Marić, S. Božović, P. Stanojević, "An Efficient Evolutionary Algorithm for Locating Long-Term Care Facilities", *Information Technology and Control*, Vol. 41, No. 1, 2012, pp. 77-89, 2012, DOI: <http://dx.doi.org/10.5755/j01.itc.41.1.1115>, ISSN: 1392-124X (IF 2012: 0.667)

I. Grujić, **Z. Stanimirović**, "Variable Neighborhood Search method for Optimizing the Emergency Service Network of Police Special Forces Units", *Electronic Notes in Discrete Mathematics*, Vol. 39, 2012, pp. 185-192, ISSN: 1571-0653, Elsevier, <https://doi.org/10.1016/j.endm.2012.10.025>

M. Marić, **Z. Stanimirović**, N. Milenković, "Metaheuristic Methods for Solving the Bilevel Uncapacitated Facility Location Problem with Clients' Preferences", *Electronic Notes in Discrete Mathematics*, Vol. 39, 2012, pp. 43-50., ISSN: 1571-0653, Elsevier <https://doi.org/10.1016/j.endm.2012.10.007>

J. Kratica, M. Milanović, **Z. Stanimirović**, D. Tošić, "An evolutionary- based approach for solving a capacitated hub location problem", *Applied Soft Computing*, Vol. 11, No. 2, 2011, pp. 1858-1866, <https://doi.org/10.1016/j.asoc.2010.05.035>, ISSN: 1568-4846, Elsevier (IF 2011: 2.612)

Z. Stanimirović, D. Trifunović: "From Database to Knowledge: The Terrorist and Organized Criminal Search Database" *Social Science Computer Review*, Vol 29, No 4, 2011, pp. 508-514, <https://doi.org/10.1177/0894439310378327>, ISSN:0894-4393, Sage (IF 2011: 1.075)

D. Matić, V. Filipović, A. Savić, **Z. Stanimirović** "A Genetic Algorithm for Solving Multiple Warehouse Layout Problem", *Kragujevac Journal of Mathematics*, Vol. 35, No. 1, 2011, pages 119-138, ISSN:1450-9628, https://imi.pmf.kg.ac.rs/kjm/en/index.php?page=vol_35_1

A. Smiljković, **Z. Stanimirović**, D. Trifunović, "Building the Security Database TOC-search", *Mathematica Balkanica*, Vol 25, No. 5, 2011, pp.543-555. <http://www.mathbalkanica.info/toc/siteCONT25-5.pdf>, ISSN:0205-3217

Z. Stanimirović, "A genetic algorithm approach for the capacitated single allocation p-hub median problem", *Computing and Informatics*, Vol 29, No. 1, pp.117-132, 2010. ISSN: 1335-9150 (IF 2010: 0.356)

Z. Stanimirović, "An Efficient Genetic Algorithm for Solving the Uncapacitated Multiple Allocation p-hub Median Problem", *Control and Cybernetics*, Vol. 37, No. 3, pp. 415-426, 2008. (IF 2008: 0.689)

Z. Stanimirović, J. Kratica, Đ. Dugošija "Genetic Algorithms for Solving the Discrete Ordered Median Problem", *European Journal of Operational Research*, Vol. 182, *European Journal of Operational Research*, Vol. 182, pp. 983-1001, 2007. (5-years' IF 2008: 2.084)

J. Kratica, **Z. Stanimirović**, D. Tošić, V. Filipović "Two Genetic Algorithms for Solving the Uncapacitated Single Allocation p-Hub Median Problem", *European Journal of Operational Research*, Vol. 182, pp. 15-28, 2007. (5-years' IF 2008: 2.084)

J. Kratica, **Z. Stanimirović** "Solving the Uncapacitated Multiple Allocation p-Hub Center Problem by Genetic Algorithm", *Asia-Pacific Journal of Operational Research*, Vol. 23, No. 4, pp. 425-437, 2006. (5-years' IF 2008: 0.391)

J. Kratica, **Z. Stanimirović**, D. Tošić, V. Filipović, "Genetic Algorithm for Solving Uncapacitated Multiple Allocation Hub Location Problem", *Computing and Informatics*, Vol. 24, No. 4, pp. 415-426, 2005. (5-years' IF 2008: 0.421)

Peer-reviewed conference contributions

Z. Stanimirović, O. Stančić, M. Marić, "A GVNS-based solution approach to the Uncapacitated Single Allocation p-hub Maximal Covering Problem", Book of abstracts of the 9th European Congress of Mathematics, Seville, Spain, July 15-19, 2024, CT-04-10, <https://www.ecm2024sevilla.com/>

M. Simić, M. Stanković, **Z. Stanimirović**, S. Stanković, "Constraining the Critical Error Rate in Binary Classification", Book of abstracts of the Artificial Intelligence Conference, Belgrade, December 26-27, 2024, p. 85 https://www.mi.sanu.ac.rs/~ai_conf/

Z. Stanimirović, O. Stančić, S. Mišković, R. Tododosijević, "Matematičke formulacija problema hab maksimalnog pokrivanja ograničenih kapaciteta sa jednostrukim alokacijama", XIV Simpozijum „Matematika i primene“, 5-6. decembar 2024, Beograd, Izdavač: Matematički fakultet, Univerzitet u Beogradu, ISBN 978-86-7589-197-0, pp. 23 (in Serbian)

O. Stančić **Z. Stanimirović**, "Analiza i poređenje varijanti problema p-hab maksimalnog pokrivanja sa različitim alokacijskim šemama", XV Srpski matematički kongres 15SMAK, Beograd, 19-22. jun 2024, Izdavač: Matematički fakultet, Univerzitet u Beogradu, ISBN 978-86-7589-191-8, pp. 23. (in Serbian)

D. Bogojević, **Z. Stanimirović**, „Matheuristika za rešavanje uopštenog problema disperzije“, Zbornik radova 51. Simpozijuma o operacionim istraživanjima (SYM-OP-IS 2023), Izdavač: Fakultet Tehničkih nauka, Univerzitet u Novom Sadu, 16-19. septembar, 2024, Tara, Srbija, ISBN: 978-86-6022-703-6, pp. 632-638 (in Serbian)

Z. Stanimirović, O. Stančić "Metoda promenljivih okolina za rešavanje jedne varijante problema p-hab maksimalnog pokrivanja“, XIII Simpozijum „Matematika i primene“, 1-2. decembar 2023, Beograd, Izdavač: Matematički fakultet, Univerzitet u Beogradu, ISBN 978-86-7589-185-7, pp. 69 (in Serbian)

L. Mrkela, F. Vidojević, **Z. Stanimirović**: „Dvokriterijumski uopšteni problem postavljanja regeneratora u optičkim mrežama“, Zbornik radova 50. Simpozijuma o operacionim istraživanjima (SYM-OP-IS 2023), Izdavač: Medija centar- Odbrana, 18-21. septembar, 2023, Tara, Srbija, ISBN: 978-86-335-0836-0, pp. 1051-1057. (in Serbian)

J. Tasić, **Z. Stanimirović**, "A variable neighbourhood search method for the p-next center problem". Proceedings of the XLIX International Symposium on Operational Research (SYM-OP-IS 2022), Publisher: University of Belgrade - Faculty of Economics and Business, September 19-22, 2022, Vrnjačka Banja, Serbia, ISBN: 978-86-403-1750-4, pp. 261-266

K, Kostić, **Z. Stanimirović**, "A reverse randomized greedy algorithm for the minimum positive influence dominating set problem in social networks". Proceedings of the XLIX International Symposium on Operational Research (SYM-OP-IS 2022), Publisher: University of Belgrade - Faculty of Economics and Business, September 19-22, 2022, Vrnjačka Banja, Serbia, ISBN: 978-86-403-1750-4, pp. 335-340.

J.Tasić, Z.Dražić, **Z. Stanimirović** "Metaheuristički pristup za rešavanje problema p-next centra", XII Simpozijum „Matematika i primene“, 2-3. decembar 2022, Beograd, Izdavač: Matematički fakultet, Univerzitet u Beogradu, ISBN 978-86-7589-173-4, pp. 60 (in Serbian)

Z. Stanimirović, O. Stančić "Problem p-hab maksimalnog pokrivanja neograničenih kapaciteta sa r-alokacijskom šemom: matematički model i metode rešavanja", XI Simpozijum „Matematika i primene“, 3-4. decembar 2021, Beograd, Izdavač: Matematički fakultet, Univerzitet u Beogradu, ISBN 978-86-7589-155-0, pp. 50 (in Serbian)

L. Mrkela, **Z. Stanimirović**, "Dvokriterijumski dinamički problem maksimalnog pokrivanja lokacija". Proceedings of the XLVIII International Symposium on Operational Research (SYM-OP-IS 2021), Faculty of Mathematics, University of Belgrade. September 20-24, 2021, Banja Koviljača, Serbia, ISBN: 978-86-7589-151-2, pp. 219-225. (in Serbian)

K. Kostić, **Z. Stanimirović** "Metaheuristički pristup rešavanju višeperiodnog problema p-medijane otpornog na otkaze", Proceedings of the XLVIII International Symposium on Operational Research (SYM-OP-IS 2021). Faculty of Mathematics, University of Belgrade, September 20-24, 2021, Banja Koviljača, Serbia, ISBN: 978-86-7589-151-2, pp. 201-207, 2021 (in Serbian)

Z. Stanimirović, O. Stančić "Hibridna metaheuristika za rešavanje problema p-hab maksimalnog pokrivanja neograničenih kapaciteta sa r-alokacijskom šemom", Proceedings of the XLVIII International Symposium on Operational Research (SYM-OP-IS 2021). Faculty of Mathematics, University of Belgrade, September 20-24, 2021, Banja Koviljača, Serbia, ISBN: 978-86-7589-151-2, pp. 231-237, 2021. (in Serbian)

L. Mrkela, **Z. Stanimirović**, "A bi-objective maximal covering location problem: a service network design application" in Proceedings of the 2020 International Conference on Innovations in Intelligent Systems and Applications, INISTA 2020, Publisher IEEE, ISBN 978-1-7281-6799-2 (electronic), DOI: 10.1109/INISTA49547.2020, 24-26 August 2020, Novi Sad, Serbia, pp. 1–7, <https://ieeexplore.ieee.org/xpl/conhome/9184152/proceeding>

Z. Stanimirović, L. Mrkela, "Evolutionary algorithm approach to bi-objective maximal covering location problem with customer preferences", Proceedings of the XLVII International Symposium on Operational Research, SYMOPIS 2020, Beograd, September 20-23, 2020, Serbia, ISBN: 978-86-7395-429-5, Faculty of Transport and Traffic Engineering, University of Belgrade, pp 123-128, 2020.

L. Mrkela, **Z. Stanimirović**, "Metaheuristički pristup rešavanju problema maksimalnog pokrivanja lokacija, Proceedings of the XLVI International Symposium on Operational Research, SYMOPIS 2019, Kladovo, September 15-18, 2019, Serbia, ISBN: 978-86-7680-363-7, FON, University of Belgrade, pp 279-285, 2019. (in Serbian)

K. Kostić, **Z. Stanimirović**, "A Variable Neighborhood Search Approach to the p-Median Problem with Balanced Constraints", Proceedings of the XLVI International Symposium on Operational Research, SYMOPIS 2019, Kladovo, September 15-18, 2019, Serbia, ISBN: 978-86-7680-363-7, FON, University of Belgrade, pp 179-185, 2019.

D. Čvokić, **Z. Stanimirović** „Two metaheuristic approaches for the single allocation hub location and pricing problem“, Proceedings of XIV Balkan Conference on Operational Research, Hybrid BALCOR 2020,

30 September - 3 October 2020, Thessaloniki, Greece, University of Macedonia, Hellenic Operational Research Society, Greece, p.61 http://balcor2020.uom.gr/BALCOR_2020_Book_of_Abstracts.pdf

A. Anokić, **Z. Stanimirović**, T. Davidović, Đ. Stakić, "Vehicle Scheduling Problem in Sugar Beet Transportation: A General Variable Neighborhood Search Approach", Proceedings of the XIII Balkan Conference on Operational Research, BALCOR 2018, 25-28 May 2018, Belgrade, Serbia, ISBN: 978-86-80593-64-7, pages 125-132, Mathematical Institute SASA,

L. Mrkela, **Z. Stanimirović**, "VNS-based Solution Approaches to the Maximal Covering Location Problem with Customer Preference Order", Proceedings of the XIII Balkan Conference on Operational Research, BALCOR 2018, 25-28 May 2018, Belgrade, Serbia, ISBN: 978-86-80593-64-7, pages 133-140, Mathematical Institute SASA,

P. Trajkov, **Z. Stanimirović**, "Variable Neighborhood Search for the Uncapacitated Single-Source Multi-Product Facility Location Problem". *Proceedings of XLIII International Symposium on Operational Research*, 2016, Tara, Serbia, 20-23 September, ISBN 978-86-335-0535-2, COBISS.SR-ID 225714444, UDK: 519.8(082), 2016. pp. 293-296

T. Davidović, N. Kovač, **Z. Stanimirović**, „VNS-based Approach to Minimum Cost Hybrid Berth Allocation Problem“, SYM-OP-IS 2015: XLII International Symposium on Operations Research, 2015 ,15-19th September, Srebrno jezero, Serbia, ISBN 978-86-80593-55-5, COBISS.SR-ID 218932492, UDK 519.8(082) pp. 237-240.

S. Mišković, **Z. Stanimirović** „Memetic Algorithm for the Balanced Resource Location Problem with Preferences“, The 6th International Conference on. Information, Intelligence, Systems and Applications (IISA 2015), July 06 – 08, 2015, Corfu, Greece, IEEE Conference publications, ISBN 978-1-4673-9311-9, Pages: 1 - 6, DOI: [10.1109/IISA.2015.7388100](https://doi.org/10.1109/IISA.2015.7388100)

N. Kovač, T. Davidović, **Z. Stanimirović** „Evolutionary Algorithm for the Minimum Cost Hybrid Berth Allocation Problem“, The 6th International Conference on. Information, Intelligence, Systems and Applications (IISA 2015), July 06 – 08, 2015, Corfu, Greece, IEEE Conference publications, ISBN 978-1-4673-9311-9 ,Pages: 1 - 6, DOI: [10.1109/IISA.2015.7388042](https://doi.org/10.1109/IISA.2015.7388042)

S. Mišković, **Z. Stanimirović**, I. Grujičić, "An efficient variable neighborhood search for solving a robust dynamic facility location problem in emergency service", Proceedings of the 3rd International Conference on Variable Neighborhood Search, October 3-11, Djerba, Tunisia, 2014, paper no 75.

M. Šošić, **Z. Stanimirović**, M. Šošić „Heuristic Approaches for Solving the problem of Infrastructure Expansion of a Wireless Network“, Proceedings of Papers 1st International Conference on Electrical, Electronic and Computing Engineering IcETRAN 2014, Vrnjačka Banja, Serbia, June 2-5, 2014, editors Zorica Nikolić, Veljko Potkonjak, Society for ETRAN ; Beograd, Akademska misao, 2014, COBISS.SR-ID 210242316 UDK 621.039(082)(0.034.2), ISBN: 978-86-80509-70-9, pp. VII 1.2, 1-4

D. Džamić, M. Marić, **Z. Stanimirović**, A. Đenić, „Optimizacija problema raspoređivanja poslova u višefaznoj proizvodnji sa paralelnim mašinama“, *Zbornik radova 58. Konferencije za elektroniku, telekomunikacije, računarstvo, automatiku i nuklearnu tehniku ETRAN 2014*, Vrnjačka Banja, jun 2-5, 2014, Izdavač: Društvo za ETRAN, Beograd, urednici Zorica Nikolić, Veljko Potkonjak, COBISS.SR-ID 210242316, UDK: 621.37/.38(082)(0.034.2), ISBN 978-86-80509-70-9, strane VI3.5, 1-4. (in Serbian)

M. Milošević, Z. **Stanimirović**, D. Trifunović, „Softver za prepoznavanje lica“, Zbornik radova sa naučno-stručnog skupa „Informatika 2014 – novi trendovi u razvoju informacionih sistema“, Beograd, 13. maj 2014, Izdavač: Društvo za informatiku Srbije, UDK 007:004(082) COBISS.SR-ID 207160588, ISBN 978-86-916853-1-7, 3-9 (in Serbian).

A. Đenić, Z. **Stanimirović**, M. Marić, "The effects of using a self-learning shake procedure in the variable neighborhood search", Proceedings of the XI Balcan Conference on Operational Research, Balcor 2013, ISBN: 978-86-7680-285-2, pages 265-274.

S. Mišković, Z. **Stanimirović**, "A hybrid evolutionary algorithm for solving the two-stage capacitated facility location problem", Proceedings of the XI Balcan Conference on Operational Research, Balcor 2013, ISBN: 978-86-7680-285-2, pages 21-33.

M. Marić, Z. **Stanimirović**, N. Milenković, "Metaheuristic Methods for Solving the Bilevel Uncapacitated Facility Location Problem with Clients' Preferences", Proceedings of EUROmC-XXVIII Conference on Variable Neighborhood Search, October 4-7, 2012, Nerceg Novi, Montenegro, editors A. Sifaleras, N. Mladenović, D. Urošević, Faculty of Organizational Sciences MI SANU and JUPIM, ISBN 978-86-7680-260-9, CIP 519.8 (082), pages 43-51

I. Grujičić, Z. **Stanimirović**, "Variable Neighborhood Search method for Optimizing the Emergency Service Network of Police Special Forces Units", Proceedings of EUROmC-XXVIII Conference on Variable Neighborhood Search, October 4-7, 2012 Nerceg Novi, Montenegro, editors A. Sifaleras, N. Mladenović, D. Urošević, Faculty of Organizational Sciences MI SANU and JUPIM, ISBN 978-86-7680-260-9, CIP 519.8 (082), pages 185-193.

A. Smiljković, Z. **Stanimirović**, D. Trifunović, „Baza za pretraživanje podataka o terorizmu i organizovanom kriminalu“, Naučno-stručni skup „Informatika 2012 – novi trendovi u razvoju informacionih sistema“, Beograd, 15. maj 2012, zbornik radova, Izdavač: Društvo za informatiku Srbije, UDK 007:004(082), COBISS.SR-ID 2 190773260, ISBN 978-86-904491-8-7, strane 20-26. (In Serbian)

Z. **Stanimirović**, M. Marić, S. Božović, "An Efficient Hybrid Algorithm for Locating Long- Term Health Care Facilities", Proceedings of the 1st International Symposium and 10th Balkan Conference on Operational Research, BALCOR 2011 , Thessaloniki, Greece, 22-25th September 2011, Vol2, pages 409-416, izdavač: Hellenic Operational Research Society, Macedonia-Trace Branch, ISBN: 978-960-87277-7-9, SET: 978-960-87277-5-5

S. Božović, M. Marić, Z. **Stanimirović**, "Parallelization of Genetic Algorithms", 55th Conference ETRAN 2011, Banja Vrućica, Teslić, Bosna i Hercegovina, 5-9. jun 2011, elektronski zbornik radova sa konferencije ETRAN 2011, ISBN: 978-86-80509-66-02, VI 2.3-1-3.

N. Radojičić N., M. Marić, Z. **Stanimirović**, S. Božović "An efficient heuristic approach for solving the max-min diversity problem", 5th International Symposium on Industrial Engineering - SIE2012, Proceedings, Faculty of Mechanical Engineering, University of Belgrade and Steinbeis Advanced Risk Technologies, Stuttgart, Germany, ISBN 978-86-7083-758-4, pp: 193-196, Belgrade, June 14-15, 2012.

Z. **Stanimirović**, M. Đukić, J. Kratica: "A Hybrid Genetic Algorithm for Solving the Uncapacitated Multiple Allocation Hub Location Problem", Proceedings of the Stochastic Modeling Techniques and data Analysis

International Conference - STMDA 2010, 8.6-11.6.2007, Chania, Crete, Greece, 2010, pp. 760-767. http://www.smta.net/images/SMTDA_2010_Proceedings_pp_655-842.pdf

A. Smiljković, **Z. Stanimirović**, D. Trifunović, „Baza za pretraživanje podataka o terorizmu i organizovanom kriminalu“, Naučno-stručni skup „Informatika 2012 – novi trendovi u razvoju informacionih sistema“, Beograd, 15. maj 2012, zbornik radova, ISBN 978-86-904491-8-7, 20-26. (in Serbian)

Z. Stanimirović, "TEMPUS projekat SEE Doctoral Studies in Mathematical Sciences: pregled dosadašnjih rezultata i predstavljanje kurseva na doktorskim studijama", Drugi simpozijum "Matematika i primene", 27-28. maj 2011, Matematički fakultet, Beograd, , zbornik radova, ISBN 978-86-7589-093-5, 165- 171. (in Serbian)

T. Rakić, A. Đenić, M. Marić, **Z. Stanimirović**, B. Janičić-Stojanović, „Razvoj novih modela predviđanja retencionog ponašanja u tačnoj hromatografiji hidrofilnih interakcija“, *Zbornik radova Trećeg simpozijuma „Matematika i primene“*, Matematički fakultet, Univerzitet u Beogradu, 25-26. maj 2012. (in Serbian)

Z. Stanimirović, M. Marić, N. Radojičić, S. Božović "Hibridna metaheuristika za rešavanje problema ravnomernog opterećenja", Zbornik radova sa Druge matematičke konferencije Republike Srpske, Trebinje 8.-9. juni 2012 godine, ISBN 978-99938-47-52-6, str. 167-174. (in Serbian)

Chapters in national publications

D. Trifunović, **Z. Stanimirović**, „Upotreba mobilnih aplikacija za efikasno reagovanje u kriznim situacijama u obrazovno-vaspitnim ustanovama“, u: „Bezbednost u obrazovno-vaspitnim ustanovama: osnovna načela, principi, protokoli, procedure i sredstva“, urednici Branislava Popović-Čitić, Milan Lipovac, Univerzitet u Beogradu, Fakultet bezbednosti, Beograd, ISBN: 978-86-80144-06-1, 2016, strane 117-134, UDK 621.395.6-053.5:614.8. (in Serbian)

M. Milošević, **Z. Stanimirović**, D. Trifunović „Mogućnosti primene softvera za prepoznavanje lica za unapređenje sistema bezbednosti u školama“, u: „Modeli unapređenja bezbednosti u obrazovno-vaspitnim ustanovama“, urednici B. Popović-Čitić, S. Đurić, Univerzitet u Beogradu, Fakultet bezbednosti, Beograd, ISBN: 978-86-80014-09-8, 2014, strane 167-185, COBISS.SR-ID 212266252, UDK: 351.78:373.2/.5(497.11)(082), UDK=004.4:351.851 (UDK rada) (in Serbian)

Z. Stanimirović, D. Trifunović „Radionice za edukaciju nastavnika za bezbedno e-okruženje u školama“, u: „Modeli unapređenja bezbednosti u obrazovno-vaspitnim ustanovama“, urednici B. Popović-Čitić, S. Đurić, Univerzitet u Beogradu, Fakultet bezbednosti, Beograd, ISBN: 978-86-80014-09-8, 2014, strane 217-222, COBISS.SR-ID 212266252, UDK: 351.78:373.2/.5(497.11)(082), UDK=371.13:004.738.5, UDK=377.8:004.738.5 (UDK rada) (in Serbian)

Z. Stanimirović, S. Mišković, D. Trifunović „Metod optimizacije za efikasno otkrivanje i prevenciju vršnjačkog nasilja na društvenim mrežama“, u: „Reagovanje na bezbednosne rizike u obrazovno-vaspitnim ustanovama“, urednici prof. dr Boris Kordić, doc. dr Ana Kovačević, prof. dr Božidar Banović, Univerzitet u Beogradu, Fakultet bezbednosti, Beograd, ISBN: 978-86-84069-69-8, 2012, 243-260, UDK 519.876.3:[364.63:004.738.5]. (in Serbian)

M. Obradović, **Z. Stanimirović**, D. Trifunović „Metodologija prikupljanja podataka u funkciji reagovanja na bezbednosne rizike u obrazovno-vaspitnim ustanovama“, u: „*Reagovanje na bezbednosne rizike u obrazovno-vaspitnim ustanovama*“, urednici prof. dr Boris Kordić, doc. dr Ana Kovačević, prof. dr Božidar Banović, Univerzitet u Beogradu, Fakultet bezbednosti, Beograd, ISBN: 978-86-84069-69-8, 2012, strane 95-116, UDK 351.851:37.012. (in Serbian)

K. Veljković, **Z. Stanimirović**, „Statistička analiza bezbednosnih događaja na području škola u Republici Srbiji“, u: „*Bezbednosni rizici u obrazovno-vaspitnim ustanovama*“, urednici B. Popović-Čitić, S. Đurić, Ž. Kešetović, Univerzitet u Beogradu, Fakultet bezbednosti, Beograd, ISBN 978-86-84069-64-3, 2012, strane 105-122, UDK: 005.334:371, 497.11 (in Serbian)

Z. Stanimirović, M. Kralj, D. Trifunović, K. Veljković “ Optimizacija bezbednosnog nadzora u školama angažovanjem mobilnih policijskih timova“, u: „*Bezbednosni rizici u obrazovno-vaspitnim ustanovama*“, urednici B. Popović-Čitić, S. Đurić, Ž. Kešetović, Univerzitet u Beogradu, Fakultet bezbednosti, Beograd, ISBN 978-86-84069-64-3, 2012, strane 223-235, UDK: 351.851. (in Serbian)

Patents, Software

Software “Terrorism and Organized Criminal Database TOC-Search”, authors: **Z. Stanimirović**, **D. Trifunović**, **A. Smiljković**, **M. Milošević**. Database is available at available at www.tocsearch.com. Software is registered at the Centre for Transfer of Technologies, University of Belgrade, link <http://www.ctt.bg.ac.rs/dostupne-tehnologije/baza-podataka-o-terorizmu-i-organizovanom-kriminalu-projekat-br-a15>, No.A15, 2013.