

CURRICULUM VITAE

Name: Miroslav Marić

Position: Associate Professor

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Basic data:

Miroslav Marić PhD, is Associate Professor at the Department of Computer Science and Informatics at Faculty of Mathematics, University of Belgrade. He received his BSc (2002), MSc (2006) and PhD (2008) in Computer Science from University of Belgrade, Faculty of Mathematics. He was born on April 3 1978.

Research experience:

Research interests: Artificial Intelligence, Computational Intelligence, Metaheuristic Optimization algorithms, Parallel algorithms, Operational Research, Teaching Methodology in Mathematics and Computer Science, Bioinformatics, Computer Graphics, etc. Author of over 115 research papers;

Refereeing for the journals: Applied Soft Computing, Soft Computing, European Journal of Industrial Engineering, Computers and Industrial Engineering, Omega: International Journal of Management Science, Computing and Informatics, International Journal of Metaheuristics, Computer Science and Information Systems, Optimization Letters, IPSI BgD Journals, Teaching innovations, etc.

Supervised 4 PhD and over 75 MSc theses.

Current professional positions and management:

- Head of GeoGebra Center of Belgrade;
- Vice President of the Board of Directors of Serbian Mathematical Society;
- Certification manager of the itSMF Serbia.

Engagement in international and national projects:

- TEMPUS, CD JEP-41110-2006: Teacher Education - Innovation of Studies in Mathematics and IT – TEMIT (2007-2009);
- Project CNRS/MSDT: Modelling Of The Genetic Code And Applications (2009/2010);
- TEMPUS, 44703-TEMPUS-1 -2008-1 -BATEMPUS-JPCR, SEE Doctoral Studies in Mathematical Sciences (2009-2011);

- ERASMUS+ KA2 598434-EPP-1-2018-1-RS-EPPKA2-CBHE-JP: *Strengthening Teaching Competences in Higher Education in Natural and Mathematical Sciences - TeComp*, (2018-2021).
- Head of 3 projects of the Ministry of Trade, Tourism and Telecommunications in the field of information society development in the Republic of Serbia:
 - Platform eZbirka – Support to Teaching Efficiency (2013–2014);
 - Final Exam – A Platform for Equal Inclusion of Students in the Educational Process (2014–2015);
 - Entrance Exam – Equal for All Students (2015–2016).
- Researcher on 3 projects (2002-2020) of the Ministry of Education, Science and Technological Development, Republic of Serbia:
 - Mathematical methods and algorithms for recognition of 3D contours, Project 1645, (2002-2005);
 - Mathematical optimization models and methods with applications, Project 144007, (2006-2010);
 - Mathematical Models and Optimization Methods for Large-Scale Systems, Project 174010, (2011-2020).

Journal papers:

- [1] Marić M., *An Efficient Genetic Algorithm For Solving The Multi-Level Uncapacitated Facility Location Problem*, Computing and Informatics, 29 (2), pp 183-201, 2010. (M23, ISSN: 1335-9150, IF: 0.356)
- [2] Pećanac R., Lambić D., Marić M., *The influence of the use of educational software on the effectiveness of communication models in teaching*. The New Educational Review, Vol. 26, No. 4. pp 60-70, 2011. (M23, ISSN 1732-6729, IF: 0.075)
- [3] Stanimirović Z., Marić M., Božović, S., Stanojević P., *An Efficient Evolutionary Algorithm for Locating Long-Term Care Facilities*, Information technology and control 41 (1), pp 77-89, 2012. (M23, ISSN: 1392-124X, IF: 0.667)
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- [5] Marić M., Stanimirović Z., Stanojević P., *An efficient memetic algorithm for the uncapacitated single allocation hub location problem*, Soft Computing, Volume 17, Issue 3, pp 445-466, 2013. (M21, ISSN: 1432-7643, IF: 1.304)
- [6] Rakić T., Stanimirović Z., Đenić A., Marić M., Jančić-Stojanović B., Medenica M., *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, Volume 27, Issue 12, pp. 466–474, December 2013. (M21, ISSN:0886-9383, IF: 1.803)

- [7] Marić M., Stanimirović Z., Djenić A., Stanojević P., *Memetic Algorithm for Solving the Multilevel Uncapacitated Facility Location Problem*, INFORMATICA, Vol. 25, No. 3, pp. 439–466, 2014. (M21, ISSN:0868-4952, IF:0.873)
- [8] Stanimirović Z., Marić M., Radojičić N., Božović S., *Two Efficient Hybrid Metaheuristic Methods for Solving the Load Balance Problem*, Applied and Computational Mathematics An International Journal, Vol. 13, No. 3 pp. 332-349, 2014. (M22, ISSN:1683-3511, IF: 0.452)
- [9] Marić M., Stanimirović Z., Božović S., *Hybrid metaheuristic method for determining locations for long-term health care facilities*, Annals of Operations Research, Volume 227, Issue 1, pp. 3-23, 2015. (M22, ISSN: 0254-5330, IF: 1.217)
- [10] Stanojević P., Marić M., Stanimirović Z., *A hybridization of an evolutionary algorithm and a parallel branch and bound for solving the capacitated single allocation hub location problem*, Applied Soft Computing, Volume 33, pp. 24-36, 2015. (M21, ISSN: 1568-4946, IF: 2.810)
- [11] Djenić A., Radojičić N., Marić M., Mladenović M., *Parallel VNS for Bus Terminal Location Problem*, Applied Soft Computing, Volume 42, pages 448–458, 2016. (M21, ISSN: 1568-4946, IF: 2.810)
- [12] Drakulić D., Takači A., Marić M., *A New Model of Maximal Covering Location Problem with Fuzzy Conditions*, Computing and Informatics, Volume 35, No 3, pages 635-652, 2016. (M23, ISSN: 1335-9150, IF: 0.504)
- [13] Drakulić D., Takači A., Štajner-Papuga I., Marić M., *An extension of Maximal Covering Location Problem based on the Choquet integral*, Acta Polytechnica Hungarica, Volume 13, No 4, pages 205-220, 2016. (M23, ISSN:1785-8860, IF: 0.544).
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Conference papers:

- [39] Jovanović A., Marić M., Borovčanin M., Perović A., *Towards Intelligent Chromosome Analysis*, BIOINFORMATICS WORKSHOP, SIAM International Conference on Data Mining (SDM04), Orlando, Florida, Proceedings, pp. 82-88, 2004.
- [40] Oklobdžija M., Jovanović M., Marić M., *Feature Extraction From 3D Spectra of Electrophysiological Signals*, 2nd Serbian-Hungarian Joint Symposium SISY, pp. 161-170, 2004. <http://bmf.hu/conferences/sisy2004/milan.pdf>
- [41] Marić M., Marić F., Mijajlović Ž., Jovanović B., *Automatic Construction of Surface Model*, 3rd Serbian-Hungarian Joint Symposium on Intelligent Systems, pp. 181-189, 2005. <http://bmf.hu/conferences/sisy2005/Maric.pdf>
- [42] Marić M., Stojanović S., *Adaptation of Edges in a Triangular Mesh*, 4th Serbian-Hungarian Joint Symposium on Intelligent Systems, Proceedings, pp. 221-228, 2006.
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