



## I. BIOGRAFSKI PODACI dr Aleksandar Đorđević:

Dr ALEKSANDAR (MILOVAN) ĐORĐEVIĆ, master inženjer mašinstva, rođen 10.05.1987. godine u Kragujevcu. Osnovnu i srednju školu završio u Kragujevcu. Diplomirao na Fakultetu inženjerskih nauka u Kragujevcu 07.07.2011. godine odbranom master rada pod nazivom, „Bezbednost motocikala”.

Doktorsku disertaciju pod naslovom „Razvoj modela poslovne inteligencije za upravljanje performansama poslovnih procesa” odbranio 04.12.2015. godine na Fakultetu inženjerskih nauka u Kragujevcu.

Od 15.10.2016. godine je u radnom odnosu na Visokoj tehničkoj školi strukovnih studija u Zvečanu na radnom mestu predavača strukovnih studija iz uže naučne oblasti „Proizvodno mašinstvo“.

## II. NAUČNO ISTRAŽIVAČKI (STRUČNI) I PROFESIONALNI DOPRINOS

### M21 Rad u vrhunskom međunarodnom časopisu

1. Nestić, S., Stefanović, M., **Đorđević, A.**, Arsovski, S., Tadić, D., *A model of the assessment and optimization of production process quality using the fuzzy sets and genetic algorithm approach*, European Journal of Industrial Engineering, 2015, 9(1), 77 – 99, ISSN 1751-5254, Doi10.1504/EJIE.2015.067453

### M22 Rad u istaknutom međunarodnom časopisu

2. Arsovski, S., Putnik, G., Arsovski, Z., Tadić, D., Aleksić, A., **Đorđević, A.**, Moljević, S., *Modelling and Enhancement of Organizational Resilience Potential in Process Industry SMEs*, Sustainability, 2015, 7(12), 16483–16497, ISSN 2071-1050, Doi10.3390/su71215828
3. Stefanović, M., Tadić, D., Nestić, S., **Đorđević, A.**, *An Assessment of Distance Learning Laboratory Objectives for Control Engineering Education*, Computer Application in Engineering Education, 2015, 23(2), 191-202, ISSN 1099-0542, Doi 10.1002/cae.21589
4. Nestić, S., **Đorđević, A.**, Puskarić, H., Zahar Đorđević, M., Tadić, D., Stefanović, M., *The evaluation and improvement of process quality by using the fuzzy sets theory and genetic algorithm approach*, Journal of Intelligent and Fuzzy Systems, 2015, 29(5), 2017-2028, ISSN 1064-1246, Doi 10.3233/IFS-151679
5. Stefanović, M., Nestić, S., **Đorđević, A.**, Đurović, D., Mačuzić, I., Tadić, D., Gačić, M., *An assessment of maintenance performance indicators using the fuzzy sets approach and genetic algorithms*, Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, 2017, 231(1), 15-27, ISSN 0954-4054, Doi 10.1177/0954405415572641



### M23 Rad u međunarodnom časopisu

6. Erić, M., Stefanović, M., **Đorđević, A.**, Stefanović, N., Mišić, M., Abadić, N., Popović, P., *Production process parameter optimization with a new model based on a genetic algorithm and ABC classification method*, Advances in Mechanical Engineering, 2016, 8(8), 1-18, ISSN 1687-8140, Doi 10.1177/1687814016663477
7. Vujović, A., **Đorđević, A.**, Gojković, R., Borota, M., *ABC Classification of Risk Factors in Production Supply Chains with Uncertain Data*, Mathematical Problems in Engineering, 2017, 2017(1), 1-11, ISSN 1024-1230, DOI: <https://doi.org/10.1155/2017/4931797>
8. Peko, I., Nedić, B., **Đorđević, A.**, Veža, I., *Modeling of kerf width in plasma jet metal cutting process using ANN approach*, Tehnički vjesnik–Technical Gazette Scientific professional Journal of technical faculties of the Josip Juraj Strossmayer University of Osijek, 2018, 25(2), 720-728, ISSN 1330-3651, Doi 10.17559/TV- 20161024093323

### M24 Rad u časopisu međunarodnog značaja verifikovanog posebom odlukom

9. Erić, M., Mitrović, S., Stefanović, M., **Đorđević, A.**, *Tribology Database as Platform for Mobile Database and use of Mobile Technologies*, Tribology in Industry, 2016, 38(2), 267 – 275, ISSN 2217-7965.
10. Peko, I., Nedić, B., **Đorđević, A.**, Džunić, D., Janković, M., Veža, I., *Modeling of Surface Roughness in Plasma Jet Cutting Process of Thick Structural Steel*, Tribology in Industry, 2016, 38(4), 522 – 529, ISSN 2217-7965.


### M31 Predavanje po pozivu sa međunarodnog skupa štampano u celini

11. Nikezić, S., Đurović, B., Bataveljić, D., **Đorđević, A.**, *Fiedler's Contingency Leadership Theory and Model: Case Study - Determination of the Least Preferred Coworker*, EMoNT 3rd International Conference Economics and Management Based on New Technologies, June 13. 2013. - June 16. 2013., Vrnjačka Banja, Serbia, Scientific and Technical Center for Intellectual Property, 34 – 44, ISBN 978-86-6075-039- 8.
12. Nikezić, S., Bataveljić, D., Doljanica, S., **Đorđević, A.**, *Model of Excellent Leadership in Complex Organizations: Power, Influence And Energy*, RADMI 2013 13th International Conference Research and Development in Mechanical Industry, September 12. 2013. - September 15. 2013., Kopaonik, Serbia, Scientific and Technical Center for Intellectual Property, 36 – 53, ISBN 978-86-6075-042-8.

### M33 Saopštenje sa međunarodnog skupa, štampano u celini

13. **Đorđević, A.**, *Using Genetic Algorithm to Optimise Machine Layout Problem*, 6. International Quality Conference, June 07. 2012. - June 09. 2012., Kragujevac, Serbia, Faculty of Engineering, University of Kragujevac, 455 – 460, ISBN 978-86-86663-82-5.
14. Stefanović, M., Nestić, S., Aleksić, A., **Đorđević, A.**, *Case of Successful Implementation of Moodle LMS in Engineering Education*, 6. International Quality Conference, June 07. 2009. - June 09. 2012., Kragujevac, Serbia, Faculty of Engineering, University of Kragujevac, 641 – 646, ISBN 978-86-86663-82-5.

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15. **Dorđević, A.**, Stefanović, M., Nestić, S., Aleksić, A., *Optimization of Suppliers Selection in Food Industry*, 7th International Conference ICQME 2012, September 19. 2012. - September 17. 2012., Tivat, Montenegro, Faculty of Mechanical Engineering in Podgorica, University of Montenegro, 29 – 36, ISBN 978-9940-527-28-0.
16. Arsovski, S., Arsovski, Z., Stefanović, M., Aleksić, A., Tadić, D., Nestić, S., **Dorđević, A.**, *A Resilience Assessment of the Profile and Structure of a New Technology Park*, 7th International Conference ICQME 2012, September 19. 2012. - September 17. 2012., Tivat, Montenegro, Faculty of Mechanical Engineering in Podgorica, University of Montenegro, 117 – 127, ISBN 978-9940-527-28-0.
17. Nestić, S., Stefanović, M., Aleksić, A., **Dorđević, A.**, Stojanović, S., *Production Process Metric in Medium Manufacturing Organization*, 7th International Conference ICQME 2012, September 19. 2012. - September 17. 2012., Tivat, Montenegro, Faculty of Mechanical Engineering in Podgorica, University of Montenegro, 231 – 237, ISBN 978-9940-527-28-0.
18. **Dorđević, A.**, Erić, M., Aleksić, A., Nestić, S., Stojanović, S., *Optimization of Machining Processes Using the ABC Method and Genetic Algorithm*, 7. International Quality Conference, May 23. 2013. - May 24. 2013., Kragujevac, Serbia, Faculty of Engineering, University of Kragujevac, 471 – 482, ISBN 978-86-86663-94-8.
19. Nestić, S., Stefanović, M., **Dorđević, A.**, Arsovski, S., Stojanović, S., *An Assessment and Optimization of Quality of Strategy Process*, 7. International Quality Conference, May 23. 2013. - May 24. 2013., Kragujevac, Serbia, Faculty of Engineering, University of Kragujevac, 453 – 464, ISBN 978-86-86663-94-8.
20. Nikezić, S., Stojković, D., Đurović, B., **Dorđević, A.**, *Leadership Network Blake, Mouton and Mccanse: Case Study - Leadership Styles and Dimensions in One of the Local Self-Governments in Serbia*, 7. International Quality Conference, May 23. 2013. - May 24. 2013., Kragujevac, Serbia, Faculty of Engineering, University of Kragujevac, 489 – 504, ISBN 978-86-86663-94-8.
21. Nikezić, S., Stojković, D., Đurović, B., **Dorđević, A.**, *Leadership Traits: Research of Leadership and Coleadership Personal Characteristics in Local Governments of Serbia as a Framework for Social Change*, 7. International Quality Conference, May 23. 2013. - May 24. 2013., Kragujevac, Serbia, Faculty of Engineering, University of Kragujevac, 613 – 628, ISBN 978-86-86663-94-8.
22. Nikezić, S., Stoilković, D., **Dorđević, A.**, *Assessment of Leadership Qualities Through LTQ - Test of Leadership by Self-Assessment and Co-Leadership Evaluation: Northouse Approach - Characteristic of Leader in Local Governments of Republic of Serbia*, 16th QMOD -ICQSS Proceedings Quality Management and Organizational Development Conference, September 04. 2013 - September 06. 2013, Portorož, Slovenia, Faculty of Organizational Sciences, University of Maribor, 1312 – 1329, ISBN 978-961-232-269-4.
23. Nestić, S., **Dorđević, A.**, Aleksić, A., Mačuzić, I., Stefanović, M., *Optimization of the Maintenance Process Using Genetic Algorithms*, Chemical Engineering Transactions 2013, September 08. 2013. - September 10. 2013., Milano, Italia, 20 – 26, ISBN 978-88-95608-24-2.
24. Aleksić, A., Stefanović, M., Arsovski, S., **Dorđević, A.**, *Modeling weights of organization vulnerability factors: genetic algorithm approach*, 8th International Quality Conference, May 22. 2014. – May 23. 2014., Kragujevac, Serbia, Faculty of Engineering, University of Kragujevac, 167- 173, ISBN 978-86-6335-004-5.

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25. Nestić, S., **Dorđević, A.**, Tadić, D., Stefanović, M., *A New Fuzzy Model for Evaluation of Key Performance Indicators and Purchasing Process Quality*, 8th International Quality Conference, May 22.2014. – May 23. 2014., Kragujevac, Serbia, Faculty of Engineering, University of Kragujevac, 356 – 378, ISBN 978-86-6335-004-5.
26. Petronijević, M., **Dorđević, A.**, *ISO Standards Framework to Guide Organizations to Improving Performance*, 8th International Conference ICQME 2014, September 24. 2014. - September 26. 2014., Tivat, Montenegro, Faculty of Mechanical Engineering in Podgorica, University of Montenegro, 35 – 41, ISBN 978-9940-527-39-6.
27. Petronijević, M., **Dorđević, A.**, *Knowledge Management Road to Business Excellence*, 2nd International Conference - Quality System Condition for Successful business and competitiveness, December 10. 2014. - December 12. 2014. Kopaonik, Serbia, Association for quality and standardization of Serbia, 66 – 72, ISBN 978-86- 80164-00-7.
28. Arsovski, S., Raonić, D., **Dorđević, A.**, *Impact LCA and Life-Cycle Costing: a Process Approach*, SETAC Europe 20th LCA Case Study Symposium, November 24. 2014. – November 26. 2014. Novi Sad, Serbia, Society of Environmental Toxicology and Chemistry, Faculty of Technical Sciences Novi Sad, University of Novi Sad, poster presentation, 23 – 23, ISSN 2310-3191.
29. **Dorđević, A.**, Nestić, S., Stefanović, M., Tadić, D., Arsovski, S., Doljanica, S., Mišić, M., *New Service Development Metric in Medium Organizations*, 9th International Quality Conference, June 04.2015. – June 06. 2015., Kragujevac, Serbia, Faculty of Engineering, University of Kragujevac, 203 – 210, ISBN 978-86-6335-015-1.
30. Petronijević, M., **Dorđević, A.**, Janković, A., Mišić, M., *Protection at Work as Approximate Process Management*, 9th International Quality Conference, June 04.2015. – June 06. 2015., Kragujevac, Serbia, Faculty of Engineering, University of Kragujevac, 467 – 472, ISBN 978-86-6335-015-1.
31. **Dorđević, A.**, Tadić, D., Aleksić, A., Stefanović, M., Nestić, S., *New Model for Subjective Happiness Determination based on the Fuzzy Sets Theory and Statistic*, 1st International conference on quality of life, June 09. 2016. – June 10. 2016., Kragujevac, Serbia, Faculty of Engineering, University of Kragujevac, 37 – 42, ISBN 978-86-6335-033-5.
32. Tadić, D., Stefanović, M., **Dorđević, A.**, Aleksić, A., *Determining the Functions of Dependence between Quality of Life and GDP*, 1st International conference on quality of life, June 09. 2016. – June 10. 2016., Kragujevac, Serbia, Faculty of Engineering, University of Kragujevac, 101 – 106, ISBN 978-86-6335-033-5.
33. Borić, S., Arsovski, S., Tadić, D., **Dorđević, A.**, *A New Statistical Approach in Determining the Level of Happiness with respect to Economic Factors*, 1st International conference on quality of life, June 09. 2016. – June 10. 2016., Kragujevac, Serbia, Faculty of Engineering, University of Kragujevac, 59 – 66, ISBN 978-86-6335-033-5.
34. Cvetić, T., Arsovski, S., Stefanović, M., **Dorđević, A.**, *Impact of standardized management systems on quality of working life*, 1st International conference on quality of life, June 09. 2016. – June 10. 2016., Kragujevac, Serbia, Faculty of Engineering, University of Kragujevac, 215 – 220, ISBN 978-86-6335-033-5.
35. Arsovski, Z., Lula, P., **Dorđević, A.**, *Impact of ICT on Quality of Life*, 1. International conference on quality of life, June 09. 2016. – June 10. 2016., Kragujevac, Serbia, Faculty of Engineering, University of Kragujevac, 225 – 232, ISBN 978-86-6335-033-5.



36. **Đorđević, A.**, Erić, M., Pantić, M., Džunić, D., Stefanović, M., Mitrović, S., *Possibilities of Artificial Neural Network Application in Biotribological Research*, Serbiatrib'17, 15th International Conference on Tribology, May 17. 2016 – May 19. 2016., Kragujevac, Serbia, Faculty of Engineering, University of Kragujevac, 589 – 599, ISBN 978-86-6335-041-0.
37. Peko, I., Nedić, B., **Đorđević, A.**, Đurić, S., Džunić, D., Veža, I., Janković, M., *Prediction of Surface Roughness in Plasma Jet Cutting Process Using Neural Network Model*, Serbiatrib'17, 15th International Conference on Tribology, May 17. 2016 – May 19. 2016., Kragujevac, Serbia, Faculty of Engineering, University of Kragujevac, 520 – 525, ISBN 978-86-6335-041-0.
38. Mišić, M., **Đorđević, A.**, Kokić-Arsić, A., *The Optimization of Vehicle Routing of Communal Waste in an Urban Environment Using a Nearest Neighbors' Algorithm and Genetic Algorithm*, 2017 Ninth International Conference on Advanced Computational Intelligence (ICACI), February 04. 2017. – February 06. 2017., Doha, Qatar, Texas A&M University at Qatar, 264 – 271, ISBN 978-1-5090-4726-0.

#### **M45 Poglavlje u knjizi**

39. Monografija: Integrirani sistemi menadžmenta, urednik Slavko Arsovski, poglavlje: Zora Arsovski, Ivan Savović, **Aleksandar Đorđević**, *Informaciona podrška uspostavljanju IMS-a*, 2013, Fakultet inženjerskih nauka, Univerzitet u Kragujevcu, Kragujevac, 451 – 494, ISBN 978-86-86663-97-9.
40. Monografija: Integrirani modeli poslovne inteligencije, urednik Zora Arsovski, poglavlje: Slavko Arsovski, **Aleksandar Đorđević**, *Izbor optimalnog modela poslovnih procesa primenom alata poslovne inteligencije*, 2014 Ekonomski fakultet, Univerzitet u Kragujevcu, Kragujevac, 451 – 494, ISBN 978-86-86663-97-9.


#### **M52 Rad u časopisu nacionalnog značaja**

41. Todorović, G., Savović, I., **Đorđević, A.**, *Analysis of items of sustainable quality of life concept based on extended linear multi-regression model*, Journal of Applied Engineering Science, 2016, 14(4), 425 – 432, ISSN 1451-4117. Doi 10.5937/jaes14-11740

#### **M63 Saopštenje sa skupa nacionalnog značaja štampano u celini**

42. Aleksić, A., Arsovski, S., Stefanović, M., **Đorđević, A.**, Savović, I., *Elementi korporativne kulture podređeni kapacitetu za oporavak*, 39 Nacionalna konferencija o kvalitetu, jun 07.2012– jun 09. 2012, Kragujevac, Fakultet inženjerskih nauka, Univerzitet u Kragujevcu, A341-A346, ISBN 978-86-86663-83-2.
43. **Đorđević, A.**, *Razvoj i implementacija softvera za upravljanje DQMS-a*, 39 Nacionalna konferencija o kvalitetu, jun 07.2012– jun 09. 2012, Kragujevac, Fakultet inženjerskih nauka, Univerzitet u Kragujevcu, A233-A242, ISBN 978-86-86663-83-2.
44. Savović, I., Kokić Arsić, A., Kanjevac Milovanović, K., **Đorđević, A.**, *Kvalitet i bezbednost hrane iz ugla korisnika*, 39 Nacionalna konferencija o kvalitetu, jun 07.2012–





jun 09. 2012, Kragujevac, Fakultet inženjerskih nauka, Univerzitet u Kragujevcu, B105-B112, ISBN 978-86-86663-83-2.

45. Arsovski, S., Tadić, D., Grubor, S., **Dorđević, A.**, *Pristup definisanju optimalnog tehnološkog portfolija za reciklažu ELV*, 39 Nacionalna konferencija o kvalitetu, jun 07.2012 – jun 09. 2012, Kragujevac, Fakultet inženjerskih nauka, Univerzitet u Kragujevcu, B77-B83, ISBN 978-86-86663-83-2.
46. Arsovski, S., Pavlović, M., Lazić, M., **Dorđević, A.**, *Pristup praćenju i izmenama portfolija tehnologija reciklaže ELV*, 39 Nacionalna konferencija o kvalitetu, jun 07.2012 – jun 09. 2012, Kragujevac, Fakultet inženjerskih nauka, Univerzitet u Kragujevcu, B99-B103, ISBN 978-86-86663-83-2.
47. Arsovski, S., Arsovski, Z., Stefanović, M., **Dorđević, A.**, *Razvoj novog pristupa unapređenju kvaliteta*, 39 Nacionalna konferencija o kvalitetu, jun 07.2012 – jun 09. 2012, Kragujevac, Fakultet inženjerskih nauka, Univerzitet u Kragujevcu, A21-A28, ISBN 978-86-86663-83-2.
48. Arsovski, Z., Arsovski, S., Kokić – Arsić, A., **Dorđević, A.**, *Razvoj i nadgledanje sistema za ELV portfolio reciklažnu tehnologiju*, 39 Nacionalna konferencija o kvalitetu, jun 07.2012 – jun 09. 2012, Kragujevac, Fakultet inženjerskih nauka, Univerzitet u Kragujevcu, B93-B98, ISBN 978-86- 86663-83-2.
49. **Dorđević, A.**, Stefanović, M., Arsovski, S., Erić, M., Aleksić, A., Nestić, S., *Optimizacija obradnog procesa struganja korišćenjem genetskog algoritma*, 40 Nacionalna konferencija o kvalitetu, maj 23. 2013, Kragujevac, A258-A270, ISBN978-86-86663-931.
50. Milivojević, J., **Dorđević, A.**, Stojanović, S., *Kreativnost ljudskih mreža i poljauma*, 40 Nacionalna konferencija o kvalitetu, maj 23. 2013, Kragujevac, A388-A397, ISBN978-86-86663-93-1.
51. Nestić, S., Stefanović, M., Tadić, D., **Dorđević, A.**, Arsovski, S., Stojanović, S., *Model za procenu ključnih indikatora performansi i kvaliteta procesa strategije*, 40 Nacionalna konferencija o kvalitetu, maj 23. 2013, Kragujevac, A276-A282, ISBN978-86-86663-93-1.
52. **Dorđević, A.**, Stefanović, M., Aleksić, A., Nestić, S., *Optimizacija rute transporta komunalnog otpada u gradskim sredinama korišćenjem genetskih algoritama*, 41. Nacionalna konferencija o kvalitetu, maj 22. 2014, Kragujevac, 24-1 – 24-9, ISBN 978-86-6335-005-2.
53. Nestić, S., **Dorđević, A.**, Stefanović, M., Aleksić, A., *Dekompozicija i metrika procesa marketinga i prodaje u proizvodnim organizacijama male i srednje veličine*, 41. Nacionalna konferencija o kvalitetu, maj 22. 2014, Kragujevac, 22-1 – 22-7, ISBN 978-86-6335-005-2.
54. **Dorđević, A.**, Tadić, D., Arsovski, S., Milivojević, J., *Model za određivanje prioriteta promenljivih sreće zasnovan na teoriji faziskupova i statistici*, 42. Nacionalna konferencija o kvalitetu, jun 04. - jun06. 2015, Kragujevac, B15 – B22, ISBN 978-86-6335-016-8.
55. **Dorđević, A.**, Nestić, S., Stefanović, M., Stojanović, S., Doljanica, S., *Dekompoziciju procesa razvoja novih usluga za male i srednje organizacije*, 42. Nacionalna konferencija o kvalitetu, jun 04. - jun06. 2015, Kragujevac, A193 – A200, ISBN 978-86-6335-016-8.