

Radovi u časopisima (Journal publications)

1. **Karabegović, I.** (2026), Bioinspired Robotic Systems for Precision and Sustainable Agriculture: Trends, Applications, and Challenges. *J. Big Data in Agriculture (BDA)* **8**(1) 11-20. <http://doi.org/10.26480/bda.01.2026.11.20>
2. Majstorović, D. V., **Karabegović, I.** (2025), Od Industrije 4.0 ka Industrij 5.0. *Časopis za savremena privredna kretanja - Science Infokom* **3**(1): 7-34.
3. **Karabegović, I.**, Karabegović, E., Mahmić M. (2025), Integracija kolaborativnih robota (Cobot) u CNC obradu: Put u autonomnu optimizaciju i povećanu produktivnost. *Ibidem:* **3**(1): 52-72.
4. **Karabegović, I.**, Husak, E., Vojić S. (2025), Evolucija robotskih prihvatnica u kontekstu Industrije 4.0: Tehnološki napredak i primjena u automatizovanom sortiranju i paletizaciji. *Ibidemk:* **3**(1): 94-107.
5. **Karabegović, I.** (2025). Measuring the Efficiency of Solar Energy Systems: Technological, Economic, and Environmental Perspectives. *Journal of Energy Research and Reviews* **17** (10):1–9. <https://doi.org/10.9734/jenrr/2025/v17i10460>
6. **Karabegović, I.**, 2025, High Robotization as a Foundation for Smart Industry: The Republic of Korea and Singapore as Exemplars of Future Industrial Development. *Digital Technologies Research and Applications* **4**(2), 125–141. <https://doi.org/10.54963/dtra.v4i2.1314>
7. **Karabegović, I.**, 2025, Analysis of the Impact of Mobile Robots on the Efficiency of Warehousing and Transport Processes in Modern Textile Manufacturing, *Tekstilna industrija* **3**(2): 49-61. <https://doi.org/10.5937/tekstind2502049K>.
8. Husaković, A., Banjanović - Mehmedović, L., Gurdić - Ribić, A., Prljača, N., **Karabegović, I.**, 2025, Reinforcement learning for robot manipulation tasks in human-robot collaboration using the CQL/SAC algorithms, *J. Advances in Production Engineering & Management* **20**(1): 5-15. <https://doi.org/10.14743/apem2025.1.523>.
9. **Karabegović, I.**, Tabaković, M., Tabaković, M., 2025, The role of biomaterials in designing service robots for biomedical engineering. *J. of Engineering Sciences* **12**(1): A28–A41. [https://doi.org/10.21272/jes.2025.12\(1\).a4](https://doi.org/10.21272/jes.2025.12(1).a4).
10. **Karabegović, I.**, 2025, A Comparative Analysis of the Role of Industrial and Humanoid Robots as Drivers of Efficiency and Flexibility in the Automotive Industry, *Journal Mobility & Vehicle Mechanics* **51**(1): 31- 45. <https://doi.org/10.24874/mvm.2025.51.01.03>.
11. Tonkonogy, V., Holofieieva, M., Morozov, Y., Yarovy, V., Bieliavska, O., **Karabegović, I.**, 2025, Mathematical modeling of thermal and deformation fields in non-metallic heterogeneous materials during control by the thermal imaging method. *J. of Engineering Sciences* **12**(1): C12–C19. [https://doi.org/10.21272/jes.2025.12\(1\).c2](https://doi.org/10.21272/jes.2025.12(1).c2).
12. **Karabegović, I.**, Husak, E., Karabegović, E., Mehmić, M., 2021, Development and implementation of advanced robotics in the automotive and electro-electronic industry of China, *J. Mobility and Vehicle* **50**(2): 23-36. <https://doi.org/10.24874/mvm.2024.50.02.03>.
13. **Karabegović, I.**, Tabaković, M., Tabaković, M., 2024, Implementation of Service Robots in Medicine With Special Reference to Surgery, *J. of Medical and Technical Sciences* **4**:1-19. <https://doi.org/10.59366/2831-1094.2024.2.4.1>.
14. **Karabegović, I.**, Turmanidze, R., Dašić, P., 2024, The automobile and electro/electronic industry as world leaders in the implementation of Industry 4.0 technologies in production processes: review of robot technology, *IETI Transactions on Engineering Research and Practice* **8**(2):11-23. [https://doi.org/10.6723/TERP.202412_8\(2\).0002](https://doi.org/10.6723/TERP.202412_8(2).0002).
15. **Karabegović, I.**, Husak, E., Karabegović, E., Mahmić, M., 2023, Trend razvoja i implementacije inovacija u robotici kao baznoj tehnologiji Industrije 4.0, *Časopis za savremena privredna kretanja - Science Infokom* **1**(1): 7-23.
16. **Karabegović, I.**, Tabaković, M., 2023, Uloga servisnih robota u medicinskim ustanovama za vrijeme širenja pandemije Covid-19, *Revija za medicinske i tehničke nauke* **1**(2): 1-16. <https://doi.org/10.59366/2831-1094.2023.1.2.1>.
17. **Karabegović, I.**, 2022, Sensory Technology is One of the Basic Technologies of Industry 4.0 and the Fourth Industrial Revolution, *ACTA Technica Corviniensis – Bulletin of Engineering*, **15** (4): 33-39. <https://acta.fih.upt.ro/pdf/2022-4/ACTA-2022-4-05.pdf>.

18. Nezirić, E., Isić, S., **Karabegović, I.**, 2022, Vibration Quantity Share of Multiple Faults with Similar Frequency Spectrum Characteristics in Rotational Machinery, *Periodica Polytechnica Mechanical Engineering* **66**(2): 213-218. <https://doi.3311/PPme.19117>.
19. **Karabegović, I.**, Turmanidze, R., Dašić, P., 2022, Structural Network for the Implementation of Industry 4.0 in Production Processes, *International Scientific Journal Industry 4.0*, **7**(1): 3-6. <https://stumejournals.com/journals/i4/2022/1/3.full.pdf>.
20. Onysko, O., **Karabegović, I.**, Dašić P., 2021, The Stress State of Compact Mechatronic Stellinteso of a Cycloidal Reducer, *J. of Engineering Sciences* **8**(2): D12-D17. [https://doi.org/10.21272/jes.2021.8\(2\).d3](https://doi.org/10.21272/jes.2021.8(2).d3); Onysko_jes_2_2021.pdf.
21. **Karabegović, I.**, Karabegović, E., Mehmić, M., Husak, E., 2021, The Application of Industry 4.0 in production Processes of the Automotive Industry, *J. Mobility and Vehicle* **47**(2): 35-44. <https://doi.org/10.24874/mvm.2021.47.02.02>.
22. Karabegović, I., Dašić, P. 2021, The trend of application of service robots for inspection, planned maintenance and removal of disruptions in piping systems. *Scientific Bulletin of Ivano-Frankivsk National Technical University of Oil and Gas*, **21**(2): 40–46. ISSN 1993–9965. [https://doi.org/10.31471/1993-9965-2021-2\(51\)-40-46](https://doi.org/10.31471/1993-9965-2021-2(51)-40-46).
23. **Karabegović, I.**, 2021, Tendency of global capacity development of renewable energy sources in the world, *Contemporary Materials (Renewable Energy Sources)* **12**(2): 166-183. <https://doi.org/10.7251/COMEN2102166K>.
24. Banjanović - Mehmedović, L., **Karabegović, I.**, Jahic, J., Omerčić, M., 2021, Optimal path planning of a disinfection mobile robot against COVID-19 in a ROS-based research platform, *J. Advances in Production Engineering & Management* **16**(4): 405–417. <https://doi.org/10.14743/apem2021.4.409>.
25. **Karabegović, I.**, 2021, The Role of Industry 4.0 in Innovative and Technological Advancement of the Textile Industry, *J. Applied Researches in Technics* **9**(1): 1-9. <https://doi.org/10.15547/artte.2021.01.001>.
26. Tomović, R., Dizdar, S., Isić, S., Tuka, S., **Karabegović, I.**, 2020, FEM analysis of inspection manhole on large steel tanks, *J. of process mechanical engineering* **235**(4), 1235-1247. <https://doi.org/10.1177/0954408920974142>.
27. **Karabegović, I.**, Karabegović, E., 2020, Povećana sigurnost radnika primjenom kolaborativnih robota u proizvodnim procesima Industrije 4.0, *Časopis SIGURNOST* **62**(1): 11-18. <https://doi.org/10.31306/s.62.1.5>.
28. **Karabegović, I.**, Karabegović, E., 2019, The Role of Collaborative Service Robots in the Implementation of Industry 4.0, *Int. J. of Robotics and Automation Technology* **6**: 40-46. <https://doi.org/10.31875/2409-9694.2019.06.5>.
29. **Karabegović, I.**, Husak, E., Dašić, P., 2019, The Role of Service Robots in Industry 4.0-Smart Automation of Transport, *Int. Scientific J. Industry 4.0* **4**(6): 290-292. <https://stumejournals.com/journals/i4/2019/6/290.full.pdf>.
30. **Karabegović, I.**, Karabegović, E., Mahmić, M., Husak, E., 2019, The role of smart sensors in production processes and implementation of Industry 4.0, *J. of Engineering Sciences* **6**(2): B8-B13. [https://doi.org/10.21272/jes.2019.6\(2\).b2](https://doi.org/10.21272/jes.2019.6(2).b2).
31. Karabegović, E., **Karabegović, I.**, Husak, E., 2019, Collaborative Robots Innovate Automation in metal and Car Industry in the World, *J. of Scientific and Engineering Research* **6**(8): 136-145. <https://jsaer.com/download/vol-6-iss-8-2019/JSAER2019-6-8-136-145.pdf>.
32. Nezirić, E., Isić S., **Karabegović, I.**, Voloder, A., 2019, An Analysis of the FEM Model of the Misaligned Rotational System with Rotational Looseness, *J. of Mechanical and Civil Engineering (IOSR-JMCE)*, **16**(2): 29-37. <https://doi.org/10.9790/1684-1602012937>; E1602012937.pdf.
33. **Karabegović, I.**, 2018, The Tendency of Application of Renewable Energy Sources in the World, *DIT- Society, Research, Technologies* **29**: 7-18. <http://www.diz.org.rs/images/casopis/dit29.pdf>.
34. **Karabegović, I.**, Husak, E., 2018, Industry 4.0 based on Industrial and Service Robots with Application in China, *J. Mobility and Vehicle* **44**(4): 59-71. <https://doi.org/10.24874/mvm.2018.44.04.04>.
35. **Karabegović, I.**, 2018, Application of Industrial Robots in the Automation of the Welding Process, *J. Robotics & Automation Engineering* **4**(1): 001-007. <https://doi.org/10.19080/RAEJ.2018.04.555628>.

36. **Karabegović, I.**, Karabegović, E., Mahmić, M., Husak, E., 2018, Innovative Automation of Production Processes in the Automotive Industry, *Int. J. of Engineering Works* **5**(11): 240-247. <https://doi.org/10.5281/zenodo.1486145>.
37. **Karabegović, I.**, 2018, The Role of Industrial and Service Robots in Fourth Industrial Revolution with Focus on China, *J. of Engineering and Architecture* **5**(2): 110-117. <https://doi.org/10.15640/jea.v5n2a9>.
38. **Karabegović, I.**, 2018, The Role of Industrial and Service Robots in the 4th Industrial Revolution, *ACTE Technica Corviniensis - Bulletin of Engineering*, **11**(2): 11-16. <https://acta.fih.upt.ro/pdf/2018-2/ACTA-2018-2-01.pdf>.
39. **Karabegović, I.**, Karabegović, E., 2018, Implementation of Industry 4.0 by Application Robots and Digital Technologies in Production Processes in China, *Tehnika* **73**(2): 225-231. <https://doi.org/10.5937/tehnika1802225K>.
40. **Karabegović, I.**, 2018, Research and Development of New Generation Service Robots for Medial Application, *Advanced Technologies, Systems, and Applications* **28**: 979-991. https://doi.org/10.1007/978-3-319-71321-2_82.
41. Husak, E., **Karabegović, I.**, 2018, Heuristic Optimization Methods in Industrial Robotics, *Ibidem*: 1000-1006. https://doi.org/10.1007/978-3-319-71321-2_84.
42. Mehremić, S., **Karabegović, I.**, 2018, Comparison of Numerical and Experimental Results of Measuring Vehicle Movement Kinematic Parameters Integrated into Advanced Mechatronic Systems, *Ibidem*: 1026-1036. https://doi.org/10.1007/978-3-319-71321-2_86.
43. **Karabegović, I.**, Jovanović, J., 2017, Zastupljenost obnovljivih izvora energije u svijetu i Evropskoj uniji, *Časopis za naftu i gas* **37**(152): 79-92. <https://www.hunig.hr/publikacije/nafta-i-plin/arhiva-nafta-i-plin/>.
44. **Karabegović, I.**, Đukanović, M., 2017, The Tendency of Development and Application of Service Robots for Defense, Rescue and Security, *Int. J. of Advanced Engineering Research and Science* **4**(9): 063-068. <https://dx.doi.org/10.22161/ijaers/4.9.12>.
45. **Karabegović, I.**, 2017, The Role of Industry 4.0 in the Modernization of Industrial production in China, *J. of Scientific and Engineering Research* **4**(9):177-186. <http://jsaer.com/download/vol-4-iss-9-2017/JSAER2017-04-09-177-186.pdf>.
46. **Karabegović, I.**, 2017, The Influence of Robotic and Digital Technology on the Automation of Production Processes and Industrial Development in China, *J. of Robotic and Mechatronic Systems* **2**(2): 22-30.
47. **Karabegović, I.**, 2017, Digital Technology as the key Factor in the Fourth Industrial Revolution - Industry 4.0, *Int. J. of Engineering and Advanced Research Technology* **3**(3): 17-22. https://www.ijeart.com/download_data/IJEART03313.pdf.
48. **Karabegović, I.**, 2017, Comparative Analysis of Automation of Production Processes with Industrial Robots in Asia/Australia and Europe. *Int. J. of Human Capital in Urban Management* **2**(1): 29-38. <https://doi.org/10.22034/ijhcm.2017.02.003>.
49. **Karabegović, I.**, 2017, Applications Trend of Renewable Energy Sources for Energy Production in the World Wirt Special Reference to Wind Power, *Int. J. of Materials Protection* **58**(1): 86-93. <https://doi.org/10.5937/ZasMat1701086K>.
50. **Karabegović, I.**, 2016, Applications of Renewable Energy Sources in the World and the EU with a Particular Focus on Solar Energy, *Int. J. of Advanced Engineering Research and Science* **3**(11): 224-228. <https://dx.doi.org/10.22161/ijaers/3.11.34>.
51. **Karabegović, I.**, 2016, Role of Industrial Robots in the Development of Automotive Industry in China, *Int. J. of Engineering Works* **3**(12): 92-97. <https://doi.org/10.5281/zenodo.247141>.
52. **Karabegović, I.**, Husak, E., 2016, China as a Leading Country in the World in Automation of Automotive Mndustry Manufacturing Processes, *J. Mobility and Vehicle* **42**(3), UDC:629.1-4;383.312: 15-22. <http://www.mvm.fink.rs/Journal/Archive/>
53. **Karabegović, I.**, Isić, S., Husak, E., 2015, Modernization and automation of automotive industry production processes with industrial robots, *J. of mechanical engineering* **12**(3-4): 105-109. <https://masinstvo.unze.ba/article/113/pdf>.
54. **Karabegović, I.**, Karabegović, E., Mahmić, M., Husak, E., 2015, The application of service robots for logistics in manufacturing processes, *Advances in Production Engineering & Management* **10**(4): 185-194. <http://dx.doi.org/10.14743/apem2015.4.201>.
55. **Karabegović, I.**, Doleček, V., 2015, Development and Implementation of Renewable Energy Sources in the World and European Union, *Contemporary Materials (Renewable Energy Sources)* **6**(2):130-148.

- https://savremenimaterijali.info/sajt/doc/file/casopisi/6_2/6-karabegovic.pdf.
56. **Karabegović, I.**, Doleček, V., Husak, E., 2015, The Role of Industrial and Service Robots in Manufacturing Processes, *Int. J. of Robotics and Automation technology* **2**(1): 26-31. <http://dx.doi.org/10.15377/2409-9694.2015.02.01.2>.
 57. **Karabegović, I.**, Novkinić, B., Husak, E., 2015, Experimental Identification of Tool Holder Acceleration in the process of Longitudinal Turning, *FME Transactions* **43**(2): 131-137. https://www.mas.bg.ac.rs/_media/istrazivanje/fme/vol43/2/7_isak_karabegovic.pdf.
 58. **Karabegović, I.**, Husak, E., 2014, Significance of industrial robots in development of automobile industry in Europe and the World, *J. Mobility and Vehicle* **40**(1) 7-16.
 59. **Karabegović, I.**, Novkinić, B., Husak, E., 2014, Influence of Self-excited Vibrations on the Surface Roughness of Workpieces Obtained by Longitudinal Turning, *ANNALS of Faculty Engineering Hunedoara, Int. J. of Engineering*, **12**(1):163-166. <http://annals.fih.upt.ro/pdf-full/2014/ANNALS-2014-1-27.pdf>.
 60. **Karabegović, I.**, Doleček, V., 2013, Currentstate and prospects for renewable energy sources with a special emphasis on potential of solar energyin the World, Europe and Bosnia and Herzegovina, *Contemporary Materials (Renewable Energy Sources)* **4**(2): 171-179. <https://doi.org/10.7251/COMEN1302171K>.
 61. Doleček, V., **Karabegović, I.**, 2013, Renewable energy sources in Bosnia and Herzegovina: situation and perspectives , *Ibidem*: 152-163. <https://doi.org/10.7251/COMEN1302152D>.
 62. Karabegović, E., **Karabegović, I.**, Mahmić, M., Husak, E., 2013, Analytical model for friction coefficient determination in hydroforming of thin-walled tube elements, *J. Mehanika* **19**(06), Corpus ID: 16176039: 702-705.
 63. **Karabegović, I.**, Karabegović, E., 2013, Sigurnost radnika i zaštita zdravlja u procesu zavarivanja industrijskim robotima, *Časopis Sigurnost* **55**(4): 351-357 <https://hrcak.srce.hr/file/166658>.
 64. Nezirić, E., Isić, S., Doleček, V., **Karabegović, I.**, 2013, Vibration analysis of theoretical SDOF model of shaft parallel misalignment, *J. Technology*, **5**(3):131-134.
 65. Nezirić, E., Isić, S., Doleček, V., **Karabegović, I.**, 2013, An Experimental Dynamic Amplification Factor Determination, *Ibidem*: 75-78.
 66. **Karabegović, I.**, Husak, E., 2013, Industrial Robot Application in Automobile Industry in Countries of Asia, *Int. J. of Computer Science and Artificial Intelligence* **3**(3): 95-101. <https://doi.org/10.5963/IJCSAI0303002>.
 67. **Karabegović, I.**, Karabegović, E., Husak, E., 2013, Application of Service Robots in Rehabilitation and Support of Patients, *Časopis Medicina fluminensis* **49**(2): 167-174. <https://hrcak.srce.hr/file/152157>.
 68. **Karabegović, I.**, Karabegović, E., Husak, E., 2013, Industrial Robot Applications in Manufacturing Process in Asia and Australia, *Scientific J. Technical Gazette* **20**(02): 365-370. <https://hrcak.srce.hr/file/147731>.
 69. **Karabegović, I.**, Felić, M., Đukanović, M., 2013, Desing and Application of Service Robots in Assisting Patients and Rehabilitation of Patients, *Int. J. of Engineering &Technology* **13**(02), Corpus ID: 18890754: 11-17.
 70. Karabegović, E., **Karabegović, I.**, 2013, Strain Zones and Attrition Influential Zones in Tube Hydroforming Process, *Int. J. of Mechanical & Mechatronics Engineering* **13**(1): 1-4.
 71. **Karabegović, I.**, Karabegović, E., Husak, E., 2012, Industrial Robot Installation in Europe and America in 2010, *Int. J. of Engineering and Innovative Technology* **2**(5): 300-305.
 72. **Karabegović, I.**, Karabegović, E., Husak, E., 2012, Service Robot Application for Examination and Maintaining of Water Supply, Gas and Sewage Systems, *Int. J. of Engineering Research and Development* **2**(4): 53-57. <http://www.ijerd.com/paper/vol2issue4/H02045357.pdf>.
 73. **Karabegović, I.**, Karabegović, E., Husak, E., 2012, Comparative Analysis of Industrial Robot Installation and Operational Stock in Europe and America, *Society of Manufacturing Engineers Technical Paper*. ISSN 2470-9478: 436-446.
 74. **Karabegović, I.**, Karabegović, E., Husak, E., 2012, Trend of Industrial Robot Share in Different Branches of Industry in America, *Int. J. of Engineering Research and Application* **2**(02): 479-485.
 75. **Karabegović, I.**, Hadžalić, E., 2012, Mathematic modelling and the deep drawing force simulation with the wall thickness thinning experiment application, *J. Mehanika* **18**(2): 220-226.

76. **Karabegović, I.**, Karabegović, E., Pašić, S., Isić, S., 2012, Worldwide Trend of the Industrial Robot Applications in the Welding Processes, *Int. J. of Engineering & Technology* **12**(1): 69-74. <https://doczz.net/doc/7469150>.
77. Karabegović, E., **Karabegović, I.**, Hadžalić, E., 2012, Industrial Robots Application Trend in World Metal Industry, *J. Engineering Economics*, **23**(4): 368-378. <https://doi.org/10.5755/j01.ee.23.4.2567>.
78. Lestan, Z., Milfelner, M., Balic, J., Brezocnik, M., **Karabegović, I.**, 2013, Laser deposition of Metco 15E, Colmony 88 and VIM CRU 20 powders on cast iron and low carbon steel, *The Int. J. of Advanced Manufacturing Technology*, **63**: 2023-2028. <https://doi.org/10.1007/s00170-012-4478-4>.
79. Klancni, S., Brezocnik, M., Balic, J., **Karabegović, I.**, 2013, Programming of CNC Milling Machines Using Particle Swarm Optimization, *Materials and Manufacturing Processing* **28**(7): 811-815. <https://doi.org/10.1080/10426914.2012.718473>.
80. Karabegović, E., Jurković, M., **Karabegović, I.**, 2012, Analytical Modeling of Axial Force in Hydroforming of Thin-Walled Tube Elements, *Int. J. of Engineering and Technology* **2**(9): 1539-1542.
81. **Karabegović, I.**, Doleček, V., Husak, E., 2011, Analysis of the Industrial Robots in Various Production Processes in the World, *Int. Review of Mechanical Engineering* **5**(7):1272-1277. https://www.praiseworthyprize.org/latest_issues/IREME-latest/.
82. **Karabegović, I.**, Karabegović, E., Husak, E., 2011, Application analyses of industrial robot in World automobile industry in 2010, *J. of international scientific publications: Material, Methods & Technologies* **5**(2): 336-345.
83. **Karabegović, I.**, Vojić, S., Husak, E., 2011, Modeling of welding process by robotic vision, *J. of Mechanics Engineering and Automation* **1**(2): 135-138. <https://www.davidpublisher.com/Public/uploads/Contribute/551ba85bab3bf.pdf>.
84. **Karabegović, I.**, Karabegović, E., Husak, E., 2011, Comparative analysis of the industrial robot application in Europe and Asia, *Int. J. of Engineering & Technology* **11**(1): 264-268. <https://www.researchgate.net/publication/353614618>.
85. **Karabegović, I.**, Karabegović, E., 2011, Comparative analysis of the industrial robot application in the World for year 2010, *Tehnika* **66**(6): 953-959.
86. **Karabegović, I.**, Husak, E., 2011, Application of robotic doll in on-line clothing sale by internet, *Tekstilna industrija* **59**(4):13-16.
87. **Karabegović, I.**, Hodžić, D., 2010, Aplikacioni scenarij razvoja robotske industrije, *J. CENT* **2**(2): 31-40.
88. **Karabegović, I.**, Husak, E., 2010, Uloga 3D skenera u brzjoj izradi protutipa, *Journal CENT* **2**(2): 75-80.
89. Čizmić, H., **Karabegović, I.**, Hodžić, D., 2010, Copper – semi-noble metal that becomes noble, *Ibidem*: 89-94.
90. Doleček, V., **Karabegović, I.**, Jurković, M., 2010, Znanstveni i znanstveno-istraživački prioriteti zemalja EU, *Journal CENT* **2**(2): 1-12.
91. Jurković, M., **Karabegović, I.**, Doleček, V., 2010, Nove tehnologije u razvoju moderne proizvodnje, *Ibidem*: 13-19.
92. Vojić, S., **Karabegović, I.**, 2010, Primjena Ranger Sick 3D kamere u robotskom vidu, Nove tehnologije u razvoju moderne proizvodnje, *Ibidem*: 67-75.
93. **Karabegović, I.**, Hrnjica, B., 2009, Simulation of industrial robots for laser welding of load bearing construction, *J. Mechanika* **76**(2): 50-54.
94. Doleček, V., **Karabegović, I.**, Jurković, M., 2009, Primjena industrijskih robota u procesu zavarivanja, *Journal CENT* **2**(1): 7-16.
95. **Karabegović, I.**, Jurković, M., Doleček, V., 2009, Primjena inteligentnih sistema u procesu zavarivanja, *Ibidem*: 17-22.
96. **Karabegović, I.**, Hodžić, D., 2009, Robotizacija procesa zavarivanja u pojedinim granama industrije, *Ibidem*: 41-46.
98. **Karabegović, I.**, Husak, E., 2009, Mehatronički sistemi za proces zavarivanja industrijskim robotom, *Ibidem*: 55-60.
99. Mehremić, S., **Karabegović, I.**, 2008, Gunshot wounds – contribution to the biomechanical analysis. *University Review* **2**(4): 38-42.
100. Isić, S., Doleček, V., **Karabegović, I.**, 2008, A Comparison Between Finite Element and Finite Volume Methods on the Stability Problem of Timoshenko Beam, *University Review, Physical Engineering of Materials* **2**(1): 191-195.

101. **Karabegović, I.**, Hodžić, D., 2008, Dynamic-Mathematical Model of Parts in Assembly with Industrial Robots, *J. Mechanika* **72**(1): 234-238.
102. **Karabegović, I.**, Husak, E., 2008, Planning Experiment of Deep Drawing Force with Double Reduction of Wall Thickness, *J. Mechanika* **71**(2): 230-233.
103. **Karabegović, I.**, Husak, E., 2008, Mathematical modelling of deep drawing force with double reduction wall thickness, *J. Mechanika* **70**(2): 61-66.
104. **Karabegović, I.**, Vojić, S., Doleček, V., 2007, Mjere zaštite radnog prostora industrijskih robota, *Časopis SIGURNOST* **49**(2) Zagreb, 131-136. <https://hrcak.srce.hr/file/20534>.
105. Mićević, D., **Karabegović, I.**, 2006, Optimiziranje parametara oscilovanja sistema ogibljenja drumskog vozila analizom dinamičko matematičkog modela pomoću računara, *Tehnika* **1**: 428-438.
106. Mićević, D., **Karabegović, I.**, 2006, Analiza nelinearnih oscilacija vozila preko spektralne gustine dejstva mikroprofila kolovoza, *Ibidem*: 503-506.
107. **Karabegović, I.**, Rošić, H., Doleček, V., 2006, Control of industrial robots using programmable logic Controller. *J. Mechanika* **6**(5): 320-326.
109. **Karabegović, I.**, Ujević, D., 2006, Applying Intelligent Systems as a basis for Improving the Position and Competitiveness of the European Textile Industry, *FIBRES & TEXTILES in Eastern Europe* **14** (1,55): 14-17.
110. **Karabegović, I.**, Gačo, Đ., Halilagić, R., 1997, Dinamičko-statistička analiza oscilacija vozila na stohastičkom mikroprofilu kolovoza. *Časopis Mašinstvo* **2**: 65-71.
111. **Karabegović, I.**, Jurković, M., Bejdić, M., 2004, Mathematical Modeling of the Main Cutting Force at Turning, *J. Mechanika* **47**(3): 59-69.
112. Ujević, D., **Karabegović, I.**, 2004, Dostignuća i tendencije razvoja šivaćih strojeva prikazanih na IMB-u 2003, *Tekstil* **53**(5): 245-255.
<https://www.tekstil.hist.hr/index.php/tekstil/article/view/2907/2907>.
113. Karabegović, E., **Karabegović, I.**, Jurković, M., 2003, Mathematical Modelling of Hard Surfacing Influence on Tool Stability, *J. Mechanika* **39**(1): 61- 66.
114. Žapčević, S., **Karabegović, I.**, Jurković, M., 1997, Doprinos analizi obnavljanja površine brusnog točka. *Časopis Mašinstvo* **1**: 31-34.
115. **Karabegović, I.**, 1990, Fizičko značenje jednemehaničke neravnine, *Journal Publikacija VTŠ* **5**: 53-62.
116. **Karabegović, I.**, 1990, Modeliranje stohastičkih karakteristika habajućeg sloja kolovoza pomoću mikroračunara, *J. Publikacija VTŠ* **5**: 63-71.
117. **Karabegović, I.**, 1989, Operacioni račun i njegova primjena u analizi oscilatornog ponašanja vozila, *J. Publikacija VTŠ* **4**: 46-52.
118. **Karabegović, I.**, 1989, Mikroračunarska dinamička-statistička analiza ugaonih oscilacija motornog vozila, *Tehnika* **9-10**: 52-60.
119. **Karabegović, I.**, 1988, Dinamičko-matematički model kopnenog vozila sa sedam stepeni slobode kretanja - zavisno vješanje, *J. Publikacija VTŠ* **3**: 8-20.
120. **Karabegović, I.**, Mićević, D., 1988, Kombinovani modeli dinamičkih jednačina kopnenog vozila, *J. Publikacija VTŠ* **2**: 47-53.
121. Mićević, D., **Karabegović, I.**, 1988, Dinamičko-statistička analiza dinamičkog modela vozila pod dejstvom određenog mikroreljefa puta, *Ibidem*: 54-60.
122. **Karabegović, I.**, 1986, Stohastički odzivi pružnih neravnina šinskih vozila, *J. Publikacija VTŠ* **2**: 41-46.
123. **Karabegović, I.**, 1986, Smanjenje vibroaktivnosti mehaničkog sistema izmjenom njegovih konstruktivnih parametara, *Ibidem*: 63-68.
124. **Karabegović, I.**, Mićević, D., 1986, Dinamičko matematički model kopnenog vozila sa sedam stepeni slobode kretanja, *Tehnika* **11**: 1119-1127.
125. **Karabegović, I.**, 1986, Kombinovani modeli dinamičkih jednačina kopnenog vozila, *Journal Publikacija VTŠ* **2**: 47-53.
126. **Karabegović, I.**, 1985, Neke pojedinosti povećanja kritičnog broja »M« u krilu savremenih aviona, *Nauka u praksi* **8**: 37-39.
127. **Karabegović, I.**, 1985, Koeficijent momenta aerodromskih sila nosećih površina, *J. Publikacija VTŠ* **1**: 75-87.
128. **Karabegović, I.**, 1985, Numeričko rješenje problema izolovanih krila u struji nestišljivog fluida, *Ibidem*: 89-97.
129. Mićević, D., **Karabegović, I.**, 1984, Torzija nosećeg rama kamionske karoserije, *Tehnika* **3**: 337-342.

130. **Karabegović, I.,** Mićević, D., 1984, Algoritam proračuna nosećeg rama kamiona FAP 2226 BK na digitalnom elektronskom računaru, *Tehnika* **4**: 503-507.
131. **Karabegović, I.,** 1984, Dinamičko-matematički model vozila za proučavanje torzionih oscilacija rama vozila, *Nauka u praksi* **8**: 12-14.
132. **Karabegović, I.,** 1984, Proračunski model nosećeg rama kamiona FAP na računaru, *Nauka u praksi* **7**: 15-18.