

Име, средње слово, презиме		Јован З. Аранђеловић	
Звање		Асистент	
Назив институције у којој сарадник ради са пуним радним временом и од када		Машински факултет у Нишу, 2020.	
Ужа научна односно уметничка област		Производни системи и технологије	
Академска каријера	Година	Институција	Област
<i>Избор у звање</i>	2020.	Машински факултет у Нишу	Производни системи и технологије
<i>Докторат</i>	У току	Машински факултет у Нишу	Производни системи и технологије
<i>Специјализација</i>			
<i>Мастер</i>	2019.	Машински факултет у Нишу	Производно машинство
<i>Диплома</i>	2019.	Машински факултет у Нишу	Производно машинство
Списак предмета на којима је сарадник ангажован на свим нивоима студија			
Назив предмета		Назив студијског програма, врста студија	Час. акт. наст. (оптерећење)
1.	Информационо-комуникационе технологије	Машинско инжењерство, основне академске студије	6
2.	Информационе технологије 1	Инжењерски менаџмент, основне академске студије	6
3.	Конструисање применом рачунара	Машинско инжењерство, основне академске студије	5
4.	Адитивне технологије	Машинско инжењерство, основне академске студије	2
5.	Примена МКЕ	Машинско инжењерство, основне академске студије	2
6.	Напредно геометријско моделирање	Машинско инжењерство, основне академске студије	1
4.	Напредна примена МКЕ	Машинско инжењерство, мастер академске студије	2
5.	Реверзни инжењеринг	Машинско инжењерство, мастер академске студије	1
6.	Пројектовање и производња медицинских уређаја	Машинско инжењерство, мастер академске студије	1
Репрезентативне референце			

1.	Jovan Arandelović , Pavle Drašković, Rajo Turudija, Marko Dimitrov, Nikola Božić, Nikola Korunović, Miroslav Trajanović, Towards a Methodology for CAD program Efficiency Assessment, Forth International Conference, Proceedings of the 4th International Conference on Mechanical Engineering in XXI Century (MASING 2018), Faculty of Mechanical Engineering in Niš, pp. 357 - 362, isbn: 978-86-6055-103-2, Niš, 19. - 20. Mar, 2018, https://www.openclick.rs/images/files/papers/P_118%20CAD%20efficiency%20Final%20v3.pdf
2.	Jovan Arandelović , Pavle Drašković, Rajko Turudija, Marko Dimitrov, Nikola Božić, Nikola Korunović, Dragan Mišić, Miroslav Trajanović, Trial experimental determination of the average times of actions executed in a CAD application, Proceedings ICPE - S 2018, University of Kragujevac, Faculty of Engineering, pp. 37 - 43, isbn: 978-86-6335-057-1, Kragujevac, 25. - 26. Oct, 2018, https://www.openclick.rs/images/files/papers/AVERAGE%20TIMES%20OF%20ACTIONS%20v11.pdf
3.	Nikola Rucić, Miloš Stanković, Damjan Rangelov, Miloš Stevanović, Jovan Arandelović , Dragan Milčić, Milan Banić, VIRTUAL DEVELOPMENT PROCESS OF POWER GEAR TRANSMISSION, Book of Abstracts for the 9th International Scientific Conference [on] Research and Development of Mechanical Elements and Systems, IRMES 2019, Faculty of Engineering, University of Kragujevac, pp. 314 - 314, isbn: 978-86-6335-061-8, Kragujevac, 5. - 7. Sep, 2019, http://is.fink.rs/podaci/Slobodan_Savic/47/book_of_abstracts_IRMES_2019.pdf
4.	Marko PERIĆ, Aleksandar MILTENOVIC, Dušan STAMENKOVIĆ, Jovan ARANDJELOVIĆ , MODERN APPLICATION OF ADDITIVE TECHNOLOGIES IN RAILWAY, Proceedings RAILCON 2020, Niš, 15. - 16. Oct, 2020, https://railcon.rs/Proceedings/Railcon_20_Proceedings.pdf
5.	Jelena R. Milovanovic, Milos S. Stojkovic, Karim N. Husain, Nikola D. Korunovic, Jovan Arandjelovic , Holistic Approach in Designing the Personalized Bone Scaffold: The Case of Reconstruction of Large Missing Piece of Mandible Caused by Congenital Anatomic Anomaly, Hindawi, doi: 10.1155/2020/6689961, Nov, 2020, https://pubmed.ncbi.nlm.nih.gov/33299535/
6.	Jovan ARANDELOVIĆ , Nikola KORUNOVIĆ, Bojana STAMENKOVIĆ, Milica ARSIĆ, Miroslav TRAJANOVIĆ, METHODOLOGY FOR TOPOLOGICAL OPTIMIZATION AND 3D PRINTING OF A PERSONALISED WRIST ORTHOSIS FOR FRACTURES AND REHABILITATION, Proceedings ICPE-S 2021, University of Kragujevac, Faculty of Technical Sciences Čačak, pp. 57 - 61, isbn: 978-86-7776-252-0, Čačak, Srbija, 14. - 15. Oct, 2021, http://spms.fink.rs/doc/2021/Proceedings%20SPMS%202021.pdf
7.	Jovan Arandelović , Nikola Korunović, Bojana Stamenković, Milica Arsić, Miroslav Trajanović, Design Methodology of a Personalised Wrist Orthosis for Fractures and Rehabilitation, ICIST 2021 Proceedings, Information Society of Serbia - ISOS, pp. 154 - 157, issn: 2738-1447, isbn: 978-86-85525-24-7, Kopaonik, Srbija, 7. - 10. Mar, 2021, https://www.eventiotic.com/eventiotic/library/paper/660
8.	Rajko Turudija, Jovan Arandjelovic , Milos Stojkovic, Nikola Korunovic, ASSAY ON CLOUD BASED PRODUCT LIFECYCLE MANAGEMENT – OPEN PRODUCT AND TECHNOLOGY DEVELOPMENT WITHIN EDUCATION, Proceedings - 14th International Scientific Conference MMA 2021 - Flexible Technologies, University of Novi Sad, FTN. Department of Production Engineering, pp. 127 - 130, isbn: 978-86-6022-364-9, Novi Sad, 23. - 25. Sep, 2021, https://mma.ftn.uns.ac.rs/files/MMA2021-PROCEEDINGS.pdf
9.	Rajko Turudija, Arandelović Jovan , Stojković Miloš, Korunović Nikola, Stojković Jelena, Novel approach to generic parametrized lattice scaffold model design, Proceedings of the 12th International Conference on Information Society and Technology, Information Society of Serbia - ISOS, pp. 168 - 171, issn: 2738-1447, isbn: 978-86-85525-24-7, Belgrade, Serbia (Kopaonik), 13. - 16. Mar, 2022, https://eventiotic.com/eventiotic/library/paper/706
10.	Lazar Djinović, Tamara Igić, Tihomir Deljanin, Rajko Turudija, Jovan Arandelović , Predrag Janković, Jelena Stojković, Effect of Different FFF 3D Printing Materials on Surface Roughness, Dimensional and Mass Accuracy, Very YOUNg Regional ResearcherS Conference 2022, IIPP - Institute for research and design in industry, vol. 2, no. 1, pp. 13 - 17, issn: 2787-3439, Budva, 2. - 4. Jun, 2022, https://m-sci.rs/articles_pdf/effect_of_different_fff_3d_printing_materials_on_surface_roughness_dimensional_and_mass_accuracy.pdf
11.	Nikola Vitković, Miroslav Trajanović, Jovan Arandelović , Răzvan Păcurar, Cristina Borzan, Contact Surface Model Parameterization of the Extra-Articular Distal Humerus Plate, Advances in Manufacturing III. MANUFACTURING 2022. Lecture Notes in Mechanical Engineering, Springer, Cham, pp. 79 - 92, isbn: 978-3-030-99769-4, 2022, https://link.springer.com/chapter/10.1007/978-3-030-99769-4_7
12.	Nikola Korunovic, Jovan Arandjelovic , Structural Analysis and Optimization of Fixation Devices Used in Treatment of Proximal Femoral Fractures, Personalized Orthopedics, Springer, Cham, pp. 503 - 533, isbn: 978-3-030-98279-9, 2022, https://www.springerprofessional.de/en/structural-analysis-and-optimization-of-fixation-devices-used-in/23082742
13.	Nikola Vitković, Nikola Korunović, Jovan Arandelović , Aleksandar Miltenović, Marko Perić, REMODELING OF COMPLEX SURFACE PATCHES BY USING THE METHOD OF CHARACTERISTIC FEATURES – THE SKI SHOE HEEL LIP EXAMPLE, Машински факултет Ниш, vol. 1, no. 2, pp. 96 - 105, 2022, http://ime.masfak.ni.ac.rs/index.php/IME/article/view/25
14.	Dragan Misić, Miroslav Trajanovic, Nikola Korunovic, Jovan Arandjelovic , Pavle Draskovic, Rajko Turudija, Cad system evaluation based on user interface efficiency, University of Niš, Faculty of Mechanical Engineering, vol. 1, no. 2, pp. 80 - 95, 2022, http://ime.masfak.ni.ac.rs/index.php/IME/article/view/13
15.	Miroslav Trajanovic, Nikola Vitkovic, Nikola Korunovic, Dragan Misić, Jovan Arandjelovic , The Impact of Engineering Enabling Technologies on the Further Development of Personalized Orthopedics, 19th Nordic-Baltic Conference on Biomedical Engineering and Medical Physics, Springer, 89, 1–8, 2023, https://doi.org/10.1007/978-3-031-37132-5_1
16.	Jelena Stojković, Miloš Stojković, Rajko Turudija, Jovan Arandelović , Dragan Marinkovic, Adjustable Elasticity of Anatomically Shaped Lattice Bone Scaffold Built by Electron Beam Melting Ti6Al4V Powder, MDPI Metals, 13(9), 1522–1522, 2023, https://doi.org/10.3390/met13091522
17.	Rajko Turudija, Jelena Stojković, Miloš Stojković, Jovan Arandelović , Nikola Korunović, A MULTI-CRITERIA DECISION-MAKING APPROACH FOR ENHANCING MECHANICAL PROPERTIES OF FDM 3D-PRINTED PARTS, 39th International Conference on Production Engineering of Serbia, Novi Sad, Fakultet tehničkih nauka, 2023, https://ijiemjournal.uns.ac.rs/index.php/atm/article/view/ATM-2024-1-004

18.	Jovan Arandjelovic , Nikola Vitkovic, Nikola Korunovic, A Methodology for Personalization of Humerus Shaft Plate, 3RD INTERNATIONAL CONFERENCE ON KEY ENABLING TECHNOLOGIES (KEYTECH 2023), 2023, https://pubs.aip.org/aip/acp/article-abstract/3125/1/030011/3307158/A-methodology-for-personalization-of-humerus-shaft?redirectedFrom=PDF
19.	Jovan Arandjelovic , Rajko Turudija, Nikola Korunovic, Jelena Stojkovic, Miloš Stojkovic, A Methodology for Lattice Optimization of Additively Manufactured Parts Internal Structure, THE 6 TH INTERNATIONAL CONFERENCE MECHANICAL ENGINEERING IN XXI CENTURY MASING 2023, Niš, Mašinski fakultet, 2023, https://masing.masfak.ni.ac.rs/Masing2023-FIN.pdf
20.	Jovan Arandelović , Rajko Turudija, Nikola Korunović, Miloš Stojković, Jelena Stojković, A finite element model for structural optimization of parametrized lattice scaffolds, Book of Proceedings, 2023, https://doi.org/10.46793/ICCB123.375A
21.	Damjan Rangelov, Aleksandar Miltenović, Nikola Vitković, Milena Rajić, Marko Perić, Jovan Arandelović , Lazar Stojanović, The Influence of Printing Orientation on Tensile Strength in SLS 3D Printed Specimens, Springer, New Trends in Engineering Research 2024, 1216, 249–267, 2024, https://doi.org/10.1007/978-3-031-78635-8_22
22.	Nikola Korunovic, Jovan Arandjelovic , Rajko Turudija, Lattice optimization of additively manufactured parts: a case study, Innovative Mechanical Engineering, 3(1), 2024, http://ime.masfak.ni.ac.rs/index.php/IME/article/view/91
23.	Rajko Turudija, Jelena Stojković, Miloš Stojković, Jovan Arandelović , Nikola Korunović, A Multi-Criteria Decision-Making Approach for Enhancing Mechanical Properties of FDM 3D-Printed Parts, Advanced Technologies & Materials, 49(1), 25–31, 2024, https://doi.org/10.24867/atm-2024-1-004
24.	Rajko Turudija, Miloš Stojkovic, Jelena Stojkovic, Jovan Arandjelovic , Dragan Marinkovic, Stiffness of Anatomically Shaped Lattice Scaffolds Made by Direct Metal Laser Sintering of Ti-6Al-4V Powder: A Comparison of Two Different Design Variants, MDPI METALS, 14(2), 219–219, 2024, https://doi.org/10.3390/met14020219
25.	Saša Randjelovic, Andrija Zorić, Marina Trajković Milenković, Srdan Mladenovic, Jovan Arandjelovic , Nikola Kostić, Projektovanje procesa dubokog izvlačenja složenih nerotacionih elementa, 44. Jupiter konferencija, Beograd, 2024, https://cent.mas.bg.ac.rs/jupiter/zbornik_2024.pdf
26.	Aleksandar Trajković, Rajko Turudija, Jovan Arandelović , Miloš Stojković, Nikola Vitković, OPTIMIZACIJA PROCESA STRUGANJA PRIMENOM METODA VIŠEKRITERIJUMSKOG ODLUČIVANJA: PIV I RAM METODE, 44. Jupiter konferencija, Beograd, 2024, https://cent.mas.bg.ac.rs/jupiter/zbornik_2024.pdf
27.	Nikola Vitkovic, Miodrag Manic, Saša Randjelovic, Nikola Korunović, Rajko Turudija, Aleksandar Trajkovic, Jovan Arandjelovic , Geometrical Modeling of Extruder Screws Utilizing the Characteristic Product Features Method in CAD, Journal of Engineering Management and Systems Engineering, 3(2), 93–99, 2024, https://doi.org/10.56578/jemse030204
28.	Damjan Rangelov, Lazar Stojanović, Aleksandar Miltenović, Jovan Arandelović , Marko Perić, AN EXPERIMENTAL STUDY ON LAYER ADHESION IN FDM 3D PRINTING: COMPARING CONVENTIONAL AND BRICK-LAYER DEPOSITION PATTERNS, 11th International Scientific Conference Research and Development of Mechanical Elements and Systems IRMES (2025) [pp. 155-158] , 2025, https://irmes2025.masfak.ni.ac.rs/wp-content/uploads/2025/06/3.12.pdf
Збирни подаци научне, односно уметничке и стручне активности наставника	
h-индекс од 2019	1 (Scopus), 1 (Google Scholar)
Укупан број радова са SCI (SSCI) листе од 2019	3
Тренутно учешће на пројектима	Домаћи: / Међународни: 3
Усавршавања: 05.03.2020. Центар за промоцију науке - Семинар о рецензирању за истраживаче 19.-30.07.2021. BRIGHT пројекат - Међународна летња школа BRIGHT: 3Д штампа за медицинску примену – 2021 17.-20.02.2024. eCon Engineering Kft. – Тренинг за рад у Moldex3D софтверу	
Други подаци које сматрате релевантним	