

## БИОГРАФИЈА

### ОСНОВНИ ПОДАЦИ

Име и презиме	Бранислав Миленковић
Година и месторођења	1992., Крушевац
Звање	Асистент
e-mail/web site	bmilenkovic92@gmail.com
Универзитет, факултет, организациона јединица	Универзитет Привредна академија у Новом Саду Факултет примењених наука у Нишу
Поље, област	Машинско инжењерство

### СТРУЧНА БИОГРАФИЈА – ДИПЛОМЕ

ОСНОВНЕ СТУДИЈЕ	
Година	2017.
Место	Краљево
Институција	Факултет за машинство и грађевинарство
Наслов дипломског рада	Динамичка анализа кривајно клипног механизма
Област	Машинско инжењерство
МАСТЕР СТУДИЈЕ	
Година	2018.
Место	Краљево
Институција	Факултет за машинство и грађевинарство
Наслов тезе-рада	Динамички прорачун носећег структуре вагонцистерне типа ZANS
Област	Машинско инжењерство
Стечено звање	Мастер инжењер машинства
ДОКТОРСКЕ СТУДИЈЕ	
Година	2018-
Место	Краљево
Институција	Факултет за машинство и грађевинарство
Наслов дисертације	
Област	Машинско инжењерство

## СТРУЧНА БИОГРАФИЈА – ЗВАЊА

Година избора (реизбора)	Наставно-научно звање	Установа	Поље и област
2021.	Асистент	Факултет примењених наука Универзитет „Унион - Никола Тесла“ Београд	Машинско инжењерство

РЕЗУЛТАТ НАУЧНО ИСТРАЖИВАЧКОГ РАДА: цитираност 1475, х – индекс = 20

Радови публиковани у међународним научним часописима	М
<b>Branislav Milenković</b> , Đorđe Jovanović, Mladen Krstić: An application of dingo optimization algorithm (DOA) for solving continuous engineering problems, FME Transactions, 2022, Vol.50, No.2, pp. ISSN 1451-2092 (print), doi:10.5937/fme2201331M	M24
<b>Branislav Milenković</b> , Danilo Karličić, Đorđe Jovanović: Determination of natural frequency and amplitude ratio of a Rayleigh double beam system with a Keer middle layer subjected to compressive axial load, XI International Conference Industrial Engineering and Environmental Protection IIZS 2021, Technical faculty Mihajlo Pupin, Zrenjanin, 7-8 October, pp. 103-111, ISBN 978-86-7672-348-5.	M54
Đorđe Jovanović, <b>Branislav Milenković</b> , Mladen Krstić: Grey wolf optimization algorithm for solving real-world design optimization problems, 38th International Conference on Production Engineering of Serbia, Faculty of Technical Science Čačak, Čačak, 14-15 October 2021, pp.317-320, ISBN 978-86-7776-252-0.	M33
Mladen Krstić, <b>Branislav Milenković</b> , Đorđe Jovanović: Numerical analysis of wagon leaf spring using Ansys software package, X International Scientific Conference Heavy Machinery HM2021, Faculty of Mechanical and Civil Engineering Kraljevo, Vrnjačka Banja, 23-25 June 2021, pp.E39-E43, ISBN 978-86-81412-09-1.	M33
<b>Branislav Milenković</b> , Radovan Bulatović, Ivana Atanasovska: Application of grasshopper algorithm for solving optimization problems in engineering, X International Scientific Conference Heavy Machinery HM2021, Faculty of Mechanical and Civil Engineering Kraljevo, Vrnjačka Banja, 23-25 June 2021, pp.D19D25, ISBN 978-86-81412-09-1.	M33
Đorđe Jovanović, <b>Branislav Milenković</b> : Application of Denavit-Hartenberg method to robot KUKA IR 161/15.0, X International Scientific Conference Heavy Machinery HM2021, Faculty of Mechanical and Civil Engineering Kraljevo, Vrnjačka Banja, 23-25 June 2021, pp.D15-D18, ISBN 978-86-81412-09-1.	M33

<b>Branislav Milenković, Đorđe Jovanović, Mladen Krstić:</b> Application of particle swarm optimization for classical engineering problems, 20th International Symposium INFOTEH 2021, University of East Sarajevo Faculty of Electronic Engineering, March 17-19 2021, ISBN 978-99976-710-8-0; pp.153-157.	M33
Đorđe Jovanović, Mladen Krstić, <b>Branislav Milenković:</b> Kinematic analysis of complex mechanism using SAM, Conference on Mechanical Engineering Technologies and Applications COMETA 2020, Faculty of Mechanical Engineering East Sarajevo, November 26-28 2020, ISBN 978-99976-719-8-1; pp.189-196.	M33

<b>Branislav Milenković:</b> Multifactor analysis of dynamics of the slider-crank mechanism, 7th International Congress of Serbian Society of Mechanics, Sremski Karlovci, Serbia, June 24-26 2019, Serbian Society of Mechanics, ISBN 978-86909973-7-4; pp.93-101.	M33
Đorđe Jovanović, Mladen Krstić, <b>Branislav Milenković:</b> Application of nanomaterials in mechanical engineering, Nineteenth Young Researchers Conference – Materials Science and Engineering, Institute of Technical Sciences of SASA, Belgrade, Serbia, December 1-3, 2021, ISBN 978-86-80321-36-3, p.51.	M34
<b>Branislav Milenković, Đorđe Jovanović:</b> Volume optimization of the worm gear using biologically inspired algorithm, 8th International Congress of Serbian Society of Mechanics, Kragujevac, Serbia, June 28-30 2021, Serbian Society of Mechanics, ISBN 978-86-909973-8-1; pp.579-580.	M34
Đorđe Jovanović, <b>Branislav Milenković:</b> Determination of dynamic load factor for single element camshaft using various laws of follower motion, 8th International Congress of Serbian Society of Mechanics, Kragujevac, Serbia, June 28-30 2021, Serbian Society of Mechanics, ISBN 978-86-909973-8-1; pp.52-53.	M34
<b>Branislav Milenković:</b> Dynamic balancing of the slider-crank mechanism, Symposium Nonlinear dynamics-Scientific work of Prof. Dr. Katica Hedrih, Belgrade, Serbia, September 4-6 2019, Mathematical Institute of Serbian Academy of Sciences and Arts, ISBN 978-86-80593-69-2; pp.105-106.	M34
<b>Branislav Milenković, Danilo Karličić, Mladen Krstić, Đorđe Jovanović:</b> Free transverse vibration analysis of a Rayleigh double-beam system with a Keer middle layer subjected to compressive axial load, Scientific Technical Review, 2021, Vol.71, No.2, pp.36-40, ISSN 1820-0206, doi: 10.5937/str2102036M.	M51
Mladen Krstić, <b>Branislav Milenković, Đorđe Jovanović:</b> Application of the metaheuristic tunicate swarm algorithm in solving applied mechanics problems, Journal of Production Engineering (JPE), University of Novi Sad Faculty of Technical Sciences, December 2021, Vol.24, No.2, pp.31-34, ISSN 1821-4932.	M51
Branislav Milenković, Đorđe Jovanović: The use of the biological algorithm in solving applied mechanics design problems, Scientific Technical Review, 2021, Vol.71, No.1, pp.38-43, ISSN 1820-0206, doi: 10.5937/str2101038M.	M51
<b>Branislav Milenković, Mladen Krstić:</b> Marine Predators' Algorithm: Application in Applied Mechanics, Tehnika, 2021, Vol.76, No.5 pp.613-620, ISSN 0040-2176, DOI: 10.5937/tehnika2105613M	M51

<b>Branislav Milenković:</b> Implemetation of Harris Hawks Optimization (HHO) Algorithm to Solve Engineering Problems, Tehnika, 2021, Vol.76, No.4, pp.439-446, ISSN 0040-2176, DOI: 10.5937/tehnika2104439M.	M51
<b>Branislav Milenković, Mladen Krstić, Đorđe Jovanović:</b> Primena algoritma sigovukazarešavanje inženjerskih optimizacionih problema, Tehnika, 2021. Vol.76, Br.1. str.50-57, ISSN 0040-2176, DOI:10.5937/tehnika2101050M.	M51
<b>Branislav Milenković, Đorđe Jovanović, Mladen Krstić:</b> Application of particle swarm optimization for classical engineering problems, International Journal of Electrical Engineering and Computing (IJEEC), University of East Sarajevo Faculty of Electronic Engineering, June 2021, Vol.5, No.1, pp.42-49, ISSN 2566-3682, DOI 10.7251/IJEEC2101042M.	M52
<b>Branislav Milenković, Mladen Krstić:</b> Optimization of speed reducer, pressure vessel and helical spring by using grasshopper algorithm, Mechanics Transport Communications, Academic Journal, Issue 2, Vol.19, pp.V1-V10, 2021, ISSN 13123832 (print), 2367-6620 (online).	M53
Mladen Krstić, <b>Branislav Milenković, Đorđe Jovanović:</b> Numerical analysis of wagon leaf spring using Ansys 14.5, IMK-14-Research & Development in Heavy Machinery, (2021), Vol.27(3), pp.119-123, ISSN 0354-6829, doi:10.5937/IMK2103119K.	M53
<b>Branislav Milenković:</b> Analičkasintezakrivajnoklipnogmehanizma u programskom jeziku Matlab, DIT-Društvo-Istraživanje-Tehnologije, Oktobar 2021, Vol 36, Br. 2. str.9-12, ISSN 0354-7140.	M53
<b>Branislav Milenković, Mladen Krstić:</b> Dinamička analiza noseće structure vagon cistern tipa Zans, DIT-Društvo-Istraživanje-Tehnologije, April 2021, Vol.35, Br.1. str.9-13, ISSN 0354-7140.	M53
<b>Branislav Milenković, Mladen Krstić, Đorđe Jovanović:</b> Applying Ant Colony Optimization Algorithm to Solve Gear Box Design, Proceedings on Engineering Science, February 2022, Vol.4, No.1, pp.63-68, ISSN 2620-2832, doi 10.24874/PES04.01.009.	M54
Mladen Krstić, Đorđe Jovanović, <b>Branislav Milenković:</b> Maglev vozovi - pregled dosadašnjih istraživanja, 14. Međunarodna konferencija studentskih projekata IEEEESTEC, Elektronski fakultet Niš, Srbija, Novembar 2021, ISBN 978-86-6125242-6; str.5-8.	M63
Đorđe Jovanović, <b>Branislav Milenković, Mladen Krstić:</b> Application of grasshopper optimization algorithm in mechanical engineering, Young Researchers Conference YOURS 2020, Institute for research and design in industry Belgrade, Serbia, September 28 2020, ISBN 978-86-84231-51-4; pp.1-5.	M63
Đorđe Jovanović, <b>Branislav Milenković:</b> The use of FBG sensors in smart railway, 13th Student projects conference IEEEESTEC, Faculty of Electronic Engineering Niš, Serbia, November 2020, ISBN 978-86-6125-230-3; pp.35-38.	M63
<b>Branislav Milenković:</b> Parameters of quality for hydraulic system and its components, The Third International Symposium of Students SRMA 2013, Kopaonik, Serbia, September 26-28, Faculty of Mechanical and Civil Engineering Kraljevo, ISBN 978-86-82631-67-5; pp.53-57.	M63