PERSONAL INFORMATION

Name and surname	Miloš Pešić
Date and place of birth	1982, Leskovac
Scientific title	Junior Research Assistant
E-mail	milospesic@uni.kg.ac.rs milospesic1736@gmail.com
Educational-scientific / educational-artistic field	Technical and Technological Sciences
University, Faculty, Organizational unit	University of Kragujevac, Institute for Information Technologies Kragujevac, Department of Technical and Technological Sciences
Research field and areas	Mechanical Engineering, Experimental Mechanics

EDUCATION

BACHELOR

Year	2015-2019
Place	Travnik
Institution	Faculty of Polytechnic Sciences

MASTER STUDIES

Year	2019-2020
Place	Kragujevac
Institution	Faculty of Engineering Sciences

DOCTORAL DISSERTATION

Year	2020-
Place	Kragujevac
Institution	Faculty of Engineering Sciences

Title of doctoral dissertation	
Scientific title	Junior Research Assistant
Research area	Mechanical Engineering, Experimental Mechanics

PROFESSIONAL BIOGRAPHY – ELECTION IN RESEARCH OR SCIENTIFIC TITLE

Date	Institution	Scientific title
19.11.2019	Faculty of Engineering Sciences	Junior Research Assistant

PROFESSIONAL BIOGRAPHY - TRAINING

Year	Institution	Duration

ENGAGEMENT IN THE FORMATION OF SCIENTIFIC PERSONNEL

PARTICIPATION IN NATIONAL PROJECTS FINANCED BY MINISTRY OF EDUCATION/MINISTRY OF SCIENCE AND TECHNOLOGICAL DEVELOPMENT/SCIENCE FUND OF THE REPUBLIC OF SERBIA:

PARTICIPATION IN INTERNATIONAL PROJECTS

MEMBERSHIP IN SCIENTIFIC AND PROFESSIONAL ASSOCIATIONS

ORGANIZATION OF NATIONAL/INTERNATIONAL SCIENTIFIC MEETINGS (CONFERENCES, CONGRESSES...)

LIST OF SCIENTIFIC PAPERS:

Monographs, Monographic studies, Thematic anthologies	**Sum**
Papers published in scientific journals of international scientific importance	**Sum**
Proceedings of international scientific conferences	**Sum** **7**

1. **Miloš Pešić**, Marko Miljaković, Vladimir Kočović, Živana Jovanović Pešić, Nikola Jović, Jasmina Miljojković, Aleksandar Bodić, OPTIMIZATION AND EFFICIENCY ANALYSIS OF MUZZLE BRAKE FOR SNIPER RIFLE, 6th International Scientific Conference COMETa 2022 - "Conference on Mechanical Engineering Technologies and Applications", East Sarajevo, Bosnia and Herzegovina, 2022, 17 – 17 November, pp. 518 – 526, ISBN 978-99976-947-6-8 – **M33**
2. Milan Bojović, **Miloš Pešić**, Nikola Jović, Aleksandar Bodić, Vladimir Milovanović, IMPROVED PROCEDURE FOR NUMERICAL ANALYSIS OF VEHICLE TRANSPORT PLATFORM, 6th International Scientific Conference COMETa 2022 - "Conference on Mechanical Engineering Technologies and Applications", East Sarajevo, Bosnia and Herzegovina, 2022, 17 – 17 November, pp. 351 – 356, ISBN 978-99976-947-6-8 – **M33**
3. Nada Ratković, Živana Jovanović Pešić, Dušan Arsić, **Miloš Pešić**, Dragan Džunić, TOOL GEOMETRY EFFECT ON MATERIAL FLOW AND MIXTURE IN FSW, 6th International Scientific Conference COMETa 2022 - "Conference on Mechanical Engineering

Technologies and Applications", East Sarajevo, Bosnia and Herzegovina, 2022, 17 – 17 November, pp. 254 – 260, ISBN 978-99976-947-6-8 – **M33**

4. **Miloš Pešić**, Nikola Jović, Vladimir Milovanović, Mladen Pantić, Miroslav Živković, FE MESH DENSITY INFLUENCE ON BLAST LOADING ANALYSIS, 9th International Congress Motor Vehicles & Motors, Ecology – Vehicle and Road Safety – Efficiency, Kragujevac, Serbia, 2022, 13th – 14th October, ISBN 978-86-6335-096-0 – **M33**
5. Miroslav Živković, Nikola Jović, **Miloš Pešić**, Dragan Rakić, Nikola Milivojević, USING OF GAP ELEMENT FOR CONTRACTION JOINTS MODELING IN SEISMIC ANALYSIS OF CONCRETE ARCH DAMS, 8th International Congress of Serbian Society of Mechanics, Kragujevac, Serbia, June 28-30, 2021, pp. 162-171, ISBN 978-86-909973-8-1 – **M33**
6. **Miloš Pešić**, Vladimir Milovanović, Lidija Jelić, Nikola Jović, A COMPARATIVE STUDY OF LINEAR CONTACT PROBLEMS IN SOFTWARE SIMCENTER FEMAP WITH NASTRAN, 5th International Scientific Conference COMETa 2020 - "Conference on Mechanical Engineering Technologies and Applications", East Sarajevo, Bosnia and Herzegovina, 2020, 26 – 28 November, pp. 156 – 163, ISBN 978-99976-719-8-1 – **M33**
7. **Miloš Pešić**, Aleksandra Mitrović, Vladimir Milovanović, EXPERIMENTAL ANALYSIS OF WELDED JOINTS OBTAINED BY FSW, International Conference of Experimental and Numerical Investigations and New Technologies - CNN TECH 2020, Zlatibor, Serbia, 2020, 29 June – 02 July, pp. 19, ISBN 978-86-6060-042-6 – **M34**

Proceedings of national scientific conferences	**Sum**

Monographs of national importance	**Sum** **4**

1. **Miloš Pešić**, Nikola Jović, Vladimir Milovanović, Danilo Savić, Aleksa Aničić, Miroslav Živković, Slobodan Savić, FEM ANALYSIS OF ANTI-MINING PROTECTION OF ARMORED VEHICLES, Applied Engineering Letters, Vol.7, No.3/4, pp. 89-99, ISSN 2466-4847, doi.org/10.18485/aeletters.2022.7.3.1, 2022 – **M51**

2. Miloš S. Pešić, Aleksandra B. Živković, Aleksa D. Aničić, Lazar J. Blagojević, Petko M. Bonchev, Predrag R. Pantović, NUMERICAL ANALYSIS OF A FRONTAL IMPACT OF A 12.7 mm PROJECTILE ON AN ARMOR PLATE, Vojnotehnički glasnik, Vol.70, Issue 4, pp. 897-923, ISSN 0042-8469, doi.org/10.5937/vojtehg70-38412, 2022 – **M51**
3. Miloš Pešić, Vladimir Milovanović, Lidija Jelić, Nikola Jović, A COMPARATIVE STUDY OF LINEAR CONTACT PROBLEMS IN SOFTWARE SIMCENTER FEMAP WITH NASTRAN, IETI Transactions on Engineering Research and Practice, Volume 5, Issue 1, pp. 46-54, 2021. DOI: 10.6723/TERP.202102_5(1).0006. – **M51**
4. Jović, N., **Pešić, M**., Savić, S., Numerička analiza interakcije između fluida i vagona cisterne u testu naletanja, Traktori i pogonske mašine, Vol.26, No.3/4, pp. 82-91, ISSN 0354-9496, 2021 – **M52**

Scientific papers in national journals	**Sum**

Technical solutions	**Sum**

Patents	**Sum**

CITATION OF SCIENTIFIC PAPERS

BRIEF DESCRIPTION OF RESEARCH IN THE PREVIOUS PERIOD

- Solving various problems in mechanical engineering using the finite element method.
- Numerical analysis of the Tilting Platform.
- Numerical analysis of the explosion blast wave impact on different geometries of the protection of combat military vehicles.

- Numerical analysis of the frontal impact of projectiles of different calibers into the ballistic plate.
- Determining the critical ballistic velocity of a projectile.
- Determination of the basic tool parameters for the FSW welding procedure.

BRIEF DESCRIPTION OF PLANNED RESEARCH IN THE NEXT PERIOD

- Review of the literature for applying the topic of the doctoral dissertation.
- Doctoral dissertation application.
- Further development of devices and methodology for experimental testing of materials at different rates of deformation, with a special emphasis on testing materials at high rates of deformation.
- Experimental examination of the influence of differently formed stress waves on the deformation of materials when testing them at high deformation rates.
- Numerical and experimental investigation of the impact of the explosion blast wave.
- Numerical and experimental investigation of projectile penetration through the barrier.