

Dragana Jaramaz

Associate Professor

Faculty of Construction Management
Department of Civil Engineering / Architecture
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EDUCATION

2002. PhD in Technical Sciences, field of Design, Numerical Calculations of Structures using the Finite Element Method, Fracture Mechanics, Integrity and Life of Structures, and Applied Computer Science
University of Belgrade, Faculty of Mechanical Engineering
Belgrade Serbia
1997. MSc in Technical Sciences, field of Design, Numerical Calculations of Structures using the Finite Element Method, Fracture Mechanics, Integrity and Life of Structures and Applied Computer Science
University of Belgrade, Faculty of Technology and Metallurgy
Belgrade Serbia
1995. BSc in mechanical engineering, field of Design
University of Belgrade, Faculty of Mechanical Engineering
Belgrade Serbia

EMPLOYMENT HISTORY

- | | | |
|--------------------------------|----------------------------|---|
| 2012., 2017.,
2022.-present | Associate Professor | Union - Nikola Tesla University
Faculty of Construction Management
Belgrade, Serbia |
| 2005., 2007. | Associate Professor | Union University
Faculty of Construction Management
Belgrade, Serbia |
| 2002. | Docent | Faculty of Construction Management
Belgrade, Serbia |

PROFESSIONAL EXPERIENCE

- 1990.-2003. Lola Institute, Belgrade, work on design and numerical calculation of responsible structures, fracture mechanics and finite element methods
- 1985.-1990. Lola Fluidomatik design department, Belgrade, design of responsible constructions

MEMBERSHIPS

2001. Society for the Integrity and Life of Structures

RESEARCH PROJECTS

- 2024.- "The influence of the construction industry on the environment in the territory of the City of Novi Sad", Project of the City Council for Environmental Protection of Novi Sad, Project manager Dragana Vasilski, "Union - Nikola Tesla" University, Belgrade.
- 2011.- "Increasing energy efficiency in the conceptual solution of the use of renewable resources in the function of sustainable development", Project of the Ministry of Science within the technological development program, project contract number: EE 18031, January 2011, Project manager Svetlana Stevović, FGM Union, Belgrade.
- 2008.-2010. "Increasing energy efficiency in the conceptual solution of the use of renewable resources in the function of sustainable development", Project of the Ministry of Science, within the technological development program, project contract number: TR 18031, Belgrade, 2008-2010, Manager Svetlana Stevović, FGM Union, Belgrade.
- 2008.-2011. "Welding technology of austenitic materials", Project of the Ministry of Science, within the technological development program, project contract number: TR.14067, March 2008, Project manager Aleksandar Sedmak, Belgrade.
- 2002.-2007. "Development and revitalization of production capacities, selection and project of the optimal export-oriented program of the aviation industry of Serbia", Educational CIM system, Project of the Ministry of Science, Technology and Development within the technological development program, project contract number: MIS.3.06.0223.B, July 2002, Project manager V. Zeljković, Belgrade.
- 2002.-2007. "Application of modern diagnostic methods in maintenance according to state and revitalization of hydro-aggregates", Project of the Ministry of Science, Technology and Development within the technological development program, project contract number: MIS.3.06.0126B, July 2002, Project manager Zeljković V., Belgrade.

1992.-2001. "Study of the possibility of applying robots for welding operations of steel workpieces in specific working conditions", Development and application of robots - Strategic research and development project of the Ministry of Science, 1992, Project manager Stojković S., Belgrade.

SELECTED PUBLICATIONS

1. Marković, M., Elek P., Jaramaz, D., Jevtić, D., Đurović, R., Jaramaz, L., Micković, D.: "Analysis of Parameters Influencing the Pressure and Temperature Distribution in the Gun Bore Evacuator", Thermal Science, 27(2023),18, 727-738 **M23**
2. Micković, D., Jaramaz, S., Elek, P., Miloradović, N., Jaramaz, D.: A Model for Explosive Reactive Armor Interaction with Shaped Charge Jet, PROPELLANTS EXPLOSIVES PYROTECHNICS, Feb 2016., Vol. 41, Issue: 1, Pages: 53-6, 1DOI: 10.1002/prop.201500163 **M22**
3. Micković, D., Jaramaz, S., Elek, P., Jaramaz, D., Micković, D.: Determination of Pressure Profiles Behind Projectiles During Interior Ballistic Cycle, Journal of Applied Mechanics-TRANSACTIONS OF THE ASME, May 2013., vol. 80, br. 3, 031-402 - 1 to 6 **M22**
4. Jaramaz, S., Micković, D., Elek, P., Jaramaz, D., Micković, D.: Model for shaped charge warhead design, Strojniški vestnik - Journal of Mechanical Engineering, Vol. 58, No. 6, 2012, 403-410 **M23**
5. Micković, D., Jaramaz, S., Elek, P., Miloradović, N., Jaramaz, D., Micković, D.: "Explosive Reactive Armor Action Against Shaped Charge Jet", 7th International Scientific Conference on Defensive Technologies - OTEH 2016, Belgrade, 06-07 October, 2016, ISBN 978-86-81123-82-9, pp. 304-309 **M33**
6. Micković, D., Jaramaz, S., Elek, P., Jaramaz, D., Micković, D.: "Determination of Pressure Profiles Behind Projectiles During Interior Ballistic Cycle", 27th International Symposium on Ballistics, Freiburg, 22 – 26 April 2013., pp. 134-137 **M33**
7. Micković, D., Jaramaz, S., Elek, P., Jaramaz, D., Micković, D.: "Reactive active propulsion", 5th International Scientific Conference on Defensive Technologies - OTEH 2012, Belgrade, 18-19 September, 2012, ISBN 978-86-81123-58-4, pp. 255-259 **M33**
8. Radiša R., Jaramaz D., Obradović I., Beličev P., "Application of a numerical simulation in the design of vital loaded structures", 5th International Conference on Industrial Tools, ICIT 2005., Conference proceedings ISBN 961-90401-9-8, page 303-307, Slovenija, Velenje, Celje, April 2005. **M33**
9. Jaramaz, D., Sedmak A., Anyam H. A., Dobrojević M.: "Numerical Analysis of austenite - ferrite welded joint behaviour", 24TH Congress of Theoretical and Applied Mechanics, Beograd, October 2003. **M33**

10. Jaramaz. D.: "Introduction to computer application", FGM, Union University, Belgrade, Serbia, 2007., ISBN 978-86-85175-01-5