

# Dejan Beljaković

Professor

Faculty of Construction Management

Union – Nikola Tesla University  
Cara Dušana 62–64  
Belgrade, Serbia

e-mail: [dbeljakovic@unionnikolatesla.edu.rs](mailto:dbeljakovic@unionnikolatesla.edu.rs)

## EDUCATION

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2012. PhD in Civil Engineering  
Faculty of Technical Sciences, Department of Civil Engineering, University of Novi Sad
2007. MSc in Civil Engineering  
Union – Nikola Tesla University, Faculty of Construction Management
2005. BSc in Civil Engineering  
Union – Nikola Tesla University, Faculty of Construction Management

## EMPLOYMENT HISTORY

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|--------------|----------------------------|---|
| 2021–present | <b>Professor</b>           | Faculty of Construction Management                  |
| 2016–2021    | <b>Associate Professor</b> | Union – Nikola Tesla University<br>Belgrade, Serbia |
| 2012–2016    | <b>Assistant Professor</b> |   |

## RESEARCH PROJECTS

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- 2021–2022. Implementing advanced numerical optimisation methods in designing and improving building's energy performance in real environment, Univerzitet „Union – Nikola Tesla“ u Beogradu
- 2023–2024. Greening the Balkan HEIs Innovation and Entrepreneurial Potential (DeepGreenInno) may 2023-jul 2024, EIT HEI Initiative.  
<https://eit-hei.eu/projects/deepgreeninno/>
- 2024–2026. Practical implementation od numerical optimisation methods in buidling's design and construction, Univerzitet „Union – Nikola Tesla“ u Beogradu

## SELECTED PUBLICATIONS AND ACHIEVEMENTS

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A. Milajić, D. Beljaković, Z. Milovanović Jeknić, L. Vujičić, I. Parović: Conceptual Building Design Based on Life Cycle Analysis, The first international conference on sustainable environment and technologies "Create sustainable community", Belgrade, 2021, pp. 273-280, ISBN 978-86-89529-33-3

A. Milajić, D. Beljaković, Z. Milovanović Jeknić, L. Vujičić, I. Parović. Comparative Analysis of Hybrid Multiobjective Algorithms for Structural Optimization, The 8th International Conference "Civil Engineering – Science and Practice", GNP 2022, Kolašin, Montenegro, 8-12 March 2022.

A. Milajić, D. Beljaković, Z. Milovanović Jeknić, L. Vujičić, K. Benansera. Developing Students' Evaluation Skills in Reinforced Concrete Structures Design, The 8th International Conference "Civil Engineering – Science and Practice", GNP 2022, Kolašin, Montenegro, 8-12 March 2022.

A. Milajić, D. Beljaković, Z. Milovanović Jeknić, L. Vujičić. Primena ograničenja kardinalnosti u optimizaciji energetske efikasnosti objekata. Društvena, tehnička i ekološka održivost savremenog sveta, Zbornik radova Univerziteta "Union-Nikola Tesla", broj 2, 2021, pp. 309-326. ISBN 987-86-89529-32-6

D. Beljaković, A. Milajić, M. Trivunić, V. Radonjanin. Metodologija izrade probabilističkih normativa u građevinarstvu i njihove primene u izradi dinamičkih planova. Novo tehničko rešenje primenjeno na međunarodnom nivou verifikovano odlukom MNO za saobraćaj, urbanizam i građevinarstvo, 2020.

A. Milajić, D. Beljaković, Z. Milovanović Jeknić, M. Trivunić, V. Radonjanin, Metodologija za izbor optimalne izolacije zidova i tipa i veličine prozora u odnosu na troškove građenja i energetske performanse objekta. Novo tehničko rešenje šrimenjeno na međunarodnom nivou verifikovano odlukom MNO za saobraćaj, urbanizam i građevinarstvo, 2021.

A. Milajić, D. Beljaković, Z. Milovanović Jeknić, L. Vujičić Wilder, M. Trivunić, V. Radonjanin, Metodologija za optimalno konfigurisanje i pozicioniranje objekata visokogradnje u cilju poboljšanja njihovih energetske i ekološke performansi. Novo tehničko rešenje primenjeno na međunarodnom nivou verifikovano odlukom MNO za saobraćaj, urbanizam i građevinarstvo, 2022.

A. Milajić, D. Beljaković, N. Čulić, N. Vatin and V. Murgul (2015) Structural Design of Energy Efficient Buildings Using Multi-Objective BB-BC Algorithm, Applied Mechanics and Materials Vols. 725-726 Trans Tech Publications, Switzerland (2015) pp 1544-1551. ISBN-13: 978-3-03835-403-1

D. Arizanović, P. Petronijević, D. Beljaković, "Tehnologija građevinskih radova: grubi građevinski radovi" Građevinski fakultet Univerziteta u Beogradu, Beograd, 2015, ISBN 978-86-7518-157-6, COBISS.SR ID 214296844

Milajić A., Prokić A., Beljaković D., Pejičić G.: Quantitative method for evaluating applicability of designed reinforcement pattern, Technical Gazette, vol.22 No.1 (st. 119-124), 2015.