

Aleksandar Milajić

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EDUCATION

2012. PhD in Civil Engineering
 Union – Nikola Tesla University, Faculty of Construction Management
2007. MSc in Civil Engineering
 Union – Nikola Tesla University, Faculty of Construction Management
1998. BSc in Civil Engineering
 Faculty of Civil Engineering, University of Belgrade

EMPLOYMENT HISTORY

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

RESEARCH PROJECTS

- 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

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, Ograničenje kardinalnosti u optimalnom projektovanju konstrukcija, Zadužbina Andrejević, Beograd, 2019. ISBN 978-86-525-0370-4

A. Milajić, D. Beljaković, Z. Milovanović Jeknić, L. Vujičić. Primena ograničenja kardinalnosti u optimizaciji energetski efikasnih 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 energetskih i ekoloških 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

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.