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Professional Experience

2024– Full professor, Steel Structure Scientific Field, University of Belgrade, Faculty of Civil Engineering in Belgrade
2019–2024 Associate professor, Steel Structure Scientific Field, University of Belgrade, Faculty of Civil Engineering in Belgrade
2019–2021 Associate professor, Steel Structure Scientific Field, University of Novi Sad, Faculty of Technical Sciences, Department of Civil Engineering
2017–2019 Assistant professor, Steel Structure Scientific Field, University of Novi Sad, Faculty of Technical Sciences, Department of Civil Engineering
2014–2019 Assistant professor, Steel Structure Scientific Field, University of Belgrade, Faculty of Civil Engineering in Belgrade
2002–2014 Teaching and research assistant, Steel Structure Scientific Field, University of Belgrade, Faculty of Civil Engineering in Belgrade
2000–2002 Teaching and research assistant, Steel Structure Scientific Field, University of Novi Sad, Faculty of Civil Engineering in Subotica

Education

2010–2014 PhD in Structural Engineering. University of Belgrade, Faculty of Civil Engineering
Topic: Behaviour of built-up stainless steel members subjected to axial compression
2001–2007 Master of Science in Structural Engineering. University of Belgrade, Faculty of Civil Engineering. Topic: Analysis of the behaviour of the hollow section steel joints
1995–2000 Master of Engineering in Structural Engineering. University of Belgrade, Faculty of Civil Engineering

Key Qualifications

- Educator at the bachelor, master and PhD programmes in Civil Engineering, Steel and Aluminium Structures
- Supervisor and co-supervisor of PhD thesis and MSc thesis
- Researcher and Scientist with a focus on steel and stainless steel or their combination used in civil structures
- Experience in experimental testing, tensile and compressive material tests, stub-column tests, overall buckling tests, bending tests, measurement tests of residual stresses in steel structures
- Strong academic knowledge and deep insight into worldwide technical regulations in the area of steel, stainless steel and aluminium structures
- Specialized experience in the design and detailing of steel, cold-formed steel, stainless steel and aluminium structures
- Reviewer of top scientific journals: Thin-Walled Structures, Engineering Structures, Journal of Constructional Steel Research Structures, Structures.

CURRICULUM VITAE

- Fully computer literate; knowledge in software for structural modelling: Abaqus FEA, Sofistik, Robot Autodesk, SAP
- Structural engineer
- Responsible Designer State License

Membership in Professional Bodies

- Member of the Working Group CEN/TC 250/SC 3/WG 4, "Eurocode 3 - Design of steel structures. Supplementary rules for stainless steel"
- External expert for technical assistance in the evaluation of project proposals submitted for EU (European Commission) and RFCS (Research Fund for Coal and Steel) funds
- Member of the Serbian Chamber of Engineers
- Member of the Presidency of the Association of Serbian Structural Engineers – ASES
- Member of Committee U250-3,4,9 of the Serbian Institute for Standardization (for steel, composite and aluminium structures), which is in charge of the implementation of Eurocodes 3, 4 and 9
- Member of the Serbian Chamber of Engineers for state licence exam and mentor for professional assignments in the field of steel and composite structures

Awards

- Award from the Faculty of Civil Engineering, University of Belgrade, for outstanding success in scientific research for 2020/2021.
- Award from the Faculty of Civil Engineering, University of Belgrade, for outstanding success in scientific research for 2019/2020.
- Charter from the Serbian Association of Structural Engineers for the best scientific achievement in structural engineering for a Doctoral Dissertation in 2014–2015: Behaviour of built-up stainless steel members subjected to axial compression
- Charter from the Serbian Association of Structural Engineers for the best professional achievement in structural engineering for a Design Project in 2014–2015: steel structure of Athletic hall in Belgrade

References

- Author and co-author of scientific papers in peer-reviewed journals and professional periodicals, proceedings of national and international conferences
- Contribution to the revisions of Eurocode 3 Part 1-4
- Head designer or member of the design team in the development of conceptual and detailed projects of steel structures in Serbia, Montenegro, Russian Federation, Kuwait, Uganda and Saudi Arabia, considering objects in thermal power plants, energy and mining industry, wind turbine towers, antenna and transmission towers and masts, shopping centre, sports facility and car parks objects, bridges, etc.
- Consultant and reviewer of conceptual and detailed design projects of steel structures

PUBLICATIONS

Textbook literature

1. J. Dobrić, N. Gluhović, D. Buđevac: Steel constructions in building construction, University of Belgrade Faculty of Civil Engineering, Academic Thought, Belgrade 2023, ISBN 978-86-7466-991-4
2. M. Bešević, A. Tešanović, J. Dobrić: Collection of solved exams in metal structures, Faculty of Civil Engineering, Subotica, 2002, ISBN 86-80297-33-X.

Scientific literature

1. B. Karabulut, X. Ruan, S. MacDonald, J. Dobrić, B. Rossi, Fatigue of wire arc additively manufactured components made of unalloyed S355 steel, *International Journal of Fatigue*, Volume 184, July 2024, 108317, <https://doi.org/10.1016/j.ijfatigue.2024.108317>
2. J. Dobrić, N. Gluhović, N. Fric, X. Ruan, M. Bock, B. Rossi, Buckling strengths of cold-formed built-up cruciform section columns under axial compression, *Thin-Walled Structures*, Volume 200, July 2024, 111879, <https://doi.org/10.1016/j.tws.2024.111879>
3. J. Dobrić, N. Gluhović, Ivanović J, Rossi B, Design procedures for cold-formed stainless steel built-up columns assembled from equal-leg angles, *Journal of Constructional Steel Research*, Volume 212, January 2024, 108263, <https://doi.org/10.1016/j.jcsr.2023.108263>.
4. J. Dobrić, N. Gluhović, Z. Marković, D. Buđevac, Stability design criteria for closely spaced built-up stainless steel columns, *Building Materials and Structures*, vol. 64 (4) (2021) ISSN (online) 2335-0229, 235-250.
5. J. Dobrić, Y. Cai, B. Young, B. Rossi. Behaviour of duplex stainless steel bolted connections, *Thin-Walled Structures*, Volume 169, 108380, <https://doi.org/10.1016/j.tws.2021.108380>
6. J. Dobrić, A. Filipović, N. Baddoo, D. Buđevaca, B. Rossi, Design criteria for pin-ended hot-rolled and laser-welded stainless steel equal-leg angle columns, *Thin-Walled Structures*, Volume 167, October 2021, 108175, <https://doi.org/10.1016/j.tws.2021.108175>
7. A. Filipović, J. Dobrić, D. Buđevac, N. Fric, N. Baddoo. Experimental study of laser-welded stainless steel angle columns, *Thin-Walled Structures*, 164, 2021, 107777, <https://doi.org/10.1016/j.tws.2021.107777>
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9. J. Dobrić, A. Filipović, N. Baddoo, Z. Marković, D. Buđevac. Design procedures for cold-formed stainless steel equal-leg angle columns, *Thin-Walled Structures*, 159, 2020, 107210, <https://doi.org/10.1016/j.tws.2020.107210>
10. J. Dobrić, A. Filipović, Z. Marković, N. Baddoo. Structural response to axial testing of cold-formed stainless steel angle columns, *Thin-Walled Structures*, 156, 2020, 106986 <https://doi.org/10.1016/j.tws.2020.106986>
11. J. Dobrić, B. Rossi. Column Curves for Stainless Steel Lipped–Channel Sections, *Journal of Structural Engineering*, 146(10), 2020, [https://doi.org/10.1061/\(ASCE\)ST.1943-541X.0002708](https://doi.org/10.1061/(ASCE)ST.1943-541X.0002708).
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- Society for Material Testing and Research of Serbia and Institute IMS, pp. 119 - 127, issn: ISBN 978-86-87615-06-9, Serbia, Belgrade, 19. Jun, 2015
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