

Name Aljoša Filipović
Date of birth: 19th January 1990
Telephone +381658073932
e-mail afilipovic@grf.bg.ac.rs
website <https://web1.grf.bg.ac.rs/fakultet/pro/e?nid=213>

Education

2015 – 2021 University of Belgrade, Faculty of Civil Engineering
PhD in Structural Engineering
PhD thesis: “Resistance of different types of stainless steel equal angles under axial compression”
2012 – 2014 University of Belgrade, Faculty of Civil Engineering
MSc in Structural Engineering
2008 – 2012 University of Belgrade, Faculty of Civil Engineering
BSc in Structural Engineering

Work Experience

2021 – present University of Belgrade, Faculty of Civil Engineering, Chair of Materials and Structures
Assistant professor
2016 – 2021 University of Belgrade, Faculty of Civil Engineering, Chair of Materials and Structures
Teaching assistant
2013 – 2016 Amiga LTD, Belgrade
Structural engineer

Membership in Professional Bodies

- Member of Association of Serbian Structural Engineers
- Member of Serbian Chamber of Engineers

Participation in research projects

2017 – present TR-36048 Research on condition assessment and improvement methods of civil engineering structures in view of their serviceability, load-bearing capacity, cost-effectiveness and maintenance - Ministry of Education, Science and Technological Development of the Republic of Serbia (Researcher)

Awards

2016 Award from the Serbian Association of Structural Engineers for the best scientific paper of young researchers

2021 Award from the Serbian Association of Structural Engineers for the best scientific paper of young researchers

Language skills

English (good), Russian (good)

Software competences

Abaqus, Autodesk Robot Structural Analysis, Tower, Autodesk AutoCAD, Autodesk Advance Steel, Matlab, MS Office

List of selected publications

Peer-reviewed Journal articles

- J. Dobrić, A. Filipović, N. Baddoo, Z. Marković, D. Buđevac, The new buckling curves for cold-formed stainless steel equal-leg angle columns, *Building Materials and Structures*, 64 (2021) [M24]
- A. Filipović, J. Dobrić, D. Buđevac, N. Fric, N. Baddoo, Experimental study of laser-welded stainless steel angle columns, *Thin-Walled Structures*, 164 (2021) [M21]
- A. Filipović, J. Dobrić, N. Baddoo, P. Može, Experimental response of hot-rolled stainless steel angle columns, *Thin-Walled Structures*, 163 (2021) [M21]
- 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 (2021) [M21]
- 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) [M21]
- A. Filipović, J. Dobrić, Z. Marković, N. Baddoo, Ž. Flajs, Buckling resistance of stainless steel angle column, *Građevinar*, 71 (2019) [M23]
- A. Filipović, J. Dobrić, M. Spremić, Z. Marković, N. Gluhović, Numerička analiza nosivosti neuniformnih pritisnutih elemenata na fleksiono izvijanje, *Građevinski materijali i konstrukcije*, 60 (2017) [M24]

List of selected professional references

- Detailed design of stainless steel bearing structure for monumental sculpture “dr Zoran Đinđić” in Belgrade, (J. Dobrić, D. Buđevac, A. Filipović), 2019
- Project for the construction permit, Steel structure - Recirculation pump building – C4-1HTD, FGD Construction Project for TTP Nikola Tesla A, (A. Filipović), 2019.
- Check design according to SRPS EN (Eurocode) for the part of the Main power building – Turbine hall and deaerator bunker bay, Kostolac Power Plant, B3, (Z.Marković, J.Dobrić, N. Gluhović, A. Filipović), 2019.
- Check design according to SRPS EN (Eurocode) for the part of the Main power building – Boiler house, Kostolac Power Plant, B3, (Z.Marković, J.Dobrić, N. Gluhović, A. Filipović), 2019.
- Report on the design control of the Steel structure – Turbine hall and deaerator bunker bay, Power Plant “Kolubara B”, (Z.Marković, J.Dobrić, I. Jakovljević, M. Todorović, A. Filipović) 2019.

- Basic design, Steel structure - Recirculation pump building – C4-1HTD, FGD Construction Project for TTP Nikola Tesla A, (A. Filipović), 2018.
- Detailed design of road bridge in Srebrenica, Bosnia and Herzegovina (Z. Marković, M. Spremić, J.Dobrić, A. Filipović), 2017.
- Project design of execution of the reconstruction of steel construction of pedestrian bridge near the railway station in Kraljevo (Z.Marković, J.Dobrić, N. Gluhović, A. Filipović) 2016.
- Preliminary design of the reconstruction of steel construction of pedestrian bridge near the railway station in Kraljevo (Z. Marković, J. Dobrić, N. Gluhović, A. Filipović) 2016.
- Detail design, Restoration of steel stock structure M3 in thermal power plant Nikola Tesla A in Obrenovac (Z.Marković, M.Spremić, J.Dobrić, N. Fric, N. Gluhović, A. Filipović) 2016.