

2) Kristina Kostadinović Vranešević (Ms)

I am a second year PhD student, working as a teaching assistant at the Faculty of Civil Engineering, Department of Engineering Mechanics and Theory of Structures. A year ago I joined a new Wind Engineering group at my Faculty, founded by Asst. Prof. Anina Šarkić and started my research in this field. I have been assisting in analyzing the data from the wind tunnel measurements and working on numerical simulations using CFD methodology. I was also a participant in the 1st Training School on "Advances in Wind Energy Technology", WINERCOST, Malta, 26-31 May 2015. It was a great experience; I improved my knowledge, network with best in field professionals of wind engineering and met and connected with other young researchers. I find the turbulent flow, modeling of atmospheric boundary layer and wind tunnel analysis very appealing. I already have two publications from this field and I am planning to continue my work and submit a paper for the upcoming WINERCOST conference in Ankara, Turkey. This is one of the motivations for participation in this competition. Beside that I see it as a challenge, since I like design.

PERSONAL INFORMATION

Name Kristina Kostadinović

Date / Place of birth Jul 30th 1988 / Užice, Serbia
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EDUCATION

- 2013 - Present** **PhD Student**
Faculty of Civil Engineering, Belgrade, Serbia
Department of Engineering Mechanics and Theory of Structures
Exams passed during the first year: 6/6
Attended second-year courses: 2/2 (estimated time to pass exams: end of June)
- 2011 - 2013** **Master of Science (MSc)**
Faculty of Civil Engineering, Belgrade, Serbia
Department of Construction Engineering (1 year studies)
MSc thesis: "Application of Light Metal Constructions with Example of Sports Hall Design"
Key words : steel, portal frame, space truss, wind load analysis, steel hollow bars, design of nodes connections.
GPA: 9.29 / 10.0
- 2007 - 2011** **Bachelor of Science (BSc)**
Faculty of Civil Engineering, Belgrade, Serbia
Department of Construction Engineering (4 year studies)
Graduation thesis: "Design of Multi-story Concrete Building B+G+9"
Key words: concrete, vierendeel frame, seismic analysis, slab foundations, reinforcement.
GPA: 9.04 / 10.0
- 2003 – 2007** **High School Diploma**
Technical High School „Radoje Ljubičić“, Užice
Department of Civil Engineering

WORK EXPERIENCE

- 11/2014 - Present** **Teaching assistant**
Faculty of Civil Engineering, Belgrade, Serbia
- Strength of Materials 1 | Undergraduate Course
 - Engineering Mechanics 1 | Undergraduate Course
 - Steel and Concrete Composite Structures | Undergraduate Course
- 05/2013 - 10/2014** **Steel structures specialist**
DEL ING DOO, Belgrade, Serbia
- Performed structural analysis and design of steel bridges and buildings in line with Serbian Design Code (SRPS), European Design Code (Eurocode) and Russian Design Code (SNiP);
 - Prepared all components of project documentation (structural drawings, material specifications, bill of quantities, workshop drawings, plans of installation, contracts);
 - Collaborated with architects to meet their demands, provide elegant structural design solutions and communicated with CAD technicians to improve structural design solutions.

PROJECTS FOR REFERENCE

- 2013**
- Research Center “Renova Lab” in Innovation center “Skolkovo”, Moscow – Member of the steel construction design team – Main and Detailed design;
 - Ski lifts for Kopaonik Ski Center in cooperation with Leitner ropeways – Member of design team – Main design;
 - Reconstruction of commercial center for Marriott International, Belgrade – Member of the steel construction design team – Main and Detailed design;
- 2014**
- Pharmaceutical Facility “Teva” in Yaroslavl, Russia – Member of the steel construction design team – Main and Detailed design;
 - Reconstruction of commercial center for Marriott International, Belgrade – Member of design team – Main and Detailed design of facade, work on the supplementary calculations due to the wind load.

AWARDS

- 2010 and 2012**
- Commendations of the Teaching and Researching Council of the Faculty of Civil Engineering in Belgrade for the success achieved during the studies.
- 2008 – 2012**
- Scholarship of Ministry of Education of Republic Serbia.
- 2007**
- “Radoje Ljubičić” high school, class of 2003 valedictorian.

PUBLICATIONS AND PRESENTATIONS

- A. Šakrić, **K. Kostadinović**, D. Šumarac, *Numerical Investigations of the Flow Around a High-rise Building*, 5th International Congress of Serbian Society of Mechanics, Aranđelovac, Serbia, June 2015;
- A. Šarkić, H. Hemida, **K. Kostadinović**, R. Höffer, *Experimental Investigation of Interference Effect of High-rise Buildings for Wind Energy Extraction*, WINERCOST Workshop "Trends and Challenges for Wind Energy Harvesting", Coimbra, Portugal, March 2015, p.57-66;
http://winercost.com/cost_files/WINERCOST_Workshop_Coimbra_FINAL_PROC_EEDINGS.PDF
- Z. Koneski, **K. Kostadinović**, S. Kovačević, Ž. Lazić, *The Effect of Transverse Shear Deformation on the Bending of Rectangular Plates*, 14. Congress DGKS, Novi Sad, September 2014, DGKS, Belgrade, p. 205, ISBN 978-86-85073-19-9.

SCIENTIFIC WORKSHOPS

- 1st Training School on "Advances in Wind Energy Technology", WINERCOST, Malta, 26-31 May 2015 (awarded with full grant).

RESEARCH INTERESTS

- Wind engineering, steel structures.

SKILLS

- Language*
- Serbian (native) – very good
 - English – good
 - Russian - basic knowledge
- Computer*
- Programing: Matlab;
 - Drafting programs: Autodesk (AutoCAD, Revit, Inventor), TEKLA Structures;
 - Structural analysis programs: Autodesk Robot, Bentley STAAD.Pro, SAP2000;
 - CFD simulation softwares: ANSYS ICEM, OpenFOAM (beginner level).

ACTIVITIES

- Tango, Pilates, Hiking.