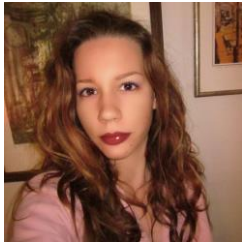# Mitra Vesović, M.Sc.M.E.

Personal data

Address:
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Phone:
+381 64 066 46 76

E-mail:
mvesovic@mas.bg.ac.rs

Nationality:
Serbian

Date of birth:
November 9th, 1995

Research or academic title
Teaching and Research Assistant

Research field/area
Mechanical engineering /
Artificial intelligence and neural networks, intelligent control systems, fuzzy logic and control, nonlinear systems, convolutional neural networks, machine learning, deep learning, digital systems, computer control, automatic control, metaheuristics and mechanics.

Languages
Serbian, English, German

Education

Oct. 2019 - Present	**Doctoral academic studies (Ph.D., Dr.-Eng.)** University of Belgrade - Faculty of Mechanical Engineering, Department of Automatic Control Dissertation title (initial): Fuzzy Neural Networks for Classification, Recognition of Objects, Prediction, Identification and Control of Nonlinear Systems
2019	**Master of Science (M.Sc.) in Mechanical Engineering** University of Belgrade - Faculty of Mechanical Engineering, Department of Automatic Control Thesis title: Modeling and Control of a Servo Motor System with Direct Current using the Feedback Linearization Method
2017	**Bachelor of Science (B.Sc.) in Mechanical Engineering** University of Belgrade - Faculty of Mechanical Engineering, Department of Automatic Control Thesis title: Measurement PIV (Particle Image Velocimetry) Measuring Technique with a Focus on Cameras

Employment

Nov. 2020 – Present	**Teaching and Research Assistant** University of Belgrade - Faculty of Mechanical Engineering, Department of Automatic Control Laboratory for Intelligent Control Systems
Dec. 2019 – Nov. 2020	**Junior Research Assistant** University of Belgrade - Faculty of Mechanical Engineering, Department of Automatic Control Laboratory for Intelligent Control Systems

Projects and activities

2019	Babić, B., Miljković, Z., Vesović, M., et al. *An Innovative, Ecologically Based Approach to the Implementation of Intelligent Manufacturing Systems for the Production of Sheet Metal Parts*, Grant: TR-35004, Project funded by Ministry of Education, Science and Technological Development of the Republic of Serbia

Skills

- C,
- C++,
- MATLAB & Simulink,
- SolidWorks,
- CATIA,
- AutoCAD,
- LaTeX,
- Adobe Illustrator,
- MS Office (Word, Excel, Power Point).

Number of citations (excluded self-citations)

3

Hirsch index

1

Awards and prizes

- Commendations for the Faculty of Mechanical Engineering Day for excellent grades each year.
- The recipient of a scholarship from the Ministry of Education, Science and Technological Development.

Products, services (datasets, software)

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Publications

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2019	Together as a part of the Flex team worked on the project: **Green Gym** - Exercise to Power Generation, as part of the Science Technology Park Belgrade projects with the support of the Swiss Confederation for Technical Innovation in Sport
2019	*Internship at the Institute "Mihajlo Pupin"* Department of Automatic Control The car ramp, other robotic automation systems and the Smart Blot Protein Separator Machine, in addition represented the following at the International Fair of Technics and Technical Achievements
2016	*Internship at the Czech Technical University in Prague* Gained the basic knowledge of artificial intelligence, neural networks, machine learning and Q learning algorithm, earned additional ESP points for the construction and programming of robots with sensors

Certificates

- Customer Excellence Program TIA - MICRO1 certificate from Siemens.
- Faculty of Electrical Engineering, University of Belgrade, in collaboration with Siemens Serbia: the certificate for participation in the 2019. SIMATIC PLC + CHALLENGE regional workshop.
- The certificate for participation in the Congress of Engineering Students (Faculty of Mechanical Engineering in cooperation with the Faculty of Mining and Geology).
- Organized by the Association of Electrical Engineering Students of Europe and the German company Namics, with the support of the Ministry of Education, Science and Technological Development, received a certificate for attending and successfully completing the SoftSkills Academy personal and professional skills seminar in May 2016.