Natalija Perišić, M.Sc.M.E.

Personal data

Address:
University of Belgrade,
Faculty of Mechanical Engineering,
Kraljice Marije 16,
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Nationality:
Serbian

Date of birth:
September 7th, 1996

Research or academic title

Junior Research Assistant

Research field/area

Mechanical engineering /
Artificial intelligence and neural networks, machine learning, deep learning, convolutional neural networks, fuzzy logic and control, control systems, intelligent control systems, linear systems, nonlinear systems, automatic control.

Languages

Serbian, English, Spanish, Russian

Skills

Education

Nov. 2020 - Present | **Doctoral academic studies (Ph.D., Dr.-Eng.)**
University of Belgrade - Faculty of Mechanical Engineering,
Department of Automatic Control
Dissertation title (initial): Application of Deep Neural Networks for Classification, Object Recognition, Prediction, Identification and Control of Nonlinear Systems

2020 | **Master of Science (M.Sc.) in Mechanical Engineering**
University of Belgrade - Faculty of Mechanical Engineering,
Department of Automatic Control
Thesis title: Classification of Basic Emotions Using Convolutional Neural Networks

2018 | **Bachelor of Science (B.Sc.) in Mechanical Engineering**
University of Belgrade - Faculty of Mechanical Engineering,
Department of Automatic Control
Thesis title: Basic Circuits With Operational Amplifiers

Employment

Apr. 2021 - Present | **Junior Research Assistant**
University of Belgrade - Faculty of Mechanical Engineering,
Department of Automatic Control
Laboratory for Intelligent Control Systems

Awards and prizes

- Commendations for the Faculty of Mechanical Engineering Day for excellent grades each year of study.
- Award for the best student in the generation of Faculty of Mechanical Engineering by University of Belgrade in 2017/18 school year.
- Award for academic success by "Gordana Jokić Kašiković i Dragiša Kašiković" foundation in 2018.
- The recipient of the scholarship sponsored by Ministry of Education, Science and Technological Development in the school years 2016/17 and 2018/19.

- MS Office (Word, Excel, Power Point),
- LaTeX,
- MATLAB,
- C,
- C ++,
- SolidWorks,
- AutoCAD,
- CATIA
- Python
- TIA Portal

Number of citations (excluded self-citations)

/

Hirsch index

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Products, services (datasets, software)

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Certificates

- Customer Excellence Program TIA – MICRO1 certificate from Siemens.
- CSWA certificate.

- The recipient of "Dositeja" scholarship by Foundation for Young Talents of Serbia in 2017/2018. school year.
- The recipient of scholarship for exceptionally gifted students by The Ministry of Education, Science and Technological Development of Serbia in the school years 2019/20 and 2020/21.

Publications

1. Zarić, V., **Perišić, N**. and Jovanović, R., **Control of a Liquid Level System Based on Classical and Fuzzy PID Like Controller Using The Grey Wolf Optimization Algorithm**, X Triennial Conference Heavy Machinery HM 2021, Vrnjačka Banja, 23-25 June, 2021, pp. C23-C30.

Projects and activities

2021 Mitrović, R., Babić, B., Perišić, N., et al.
Integrated Research in The Field of Macro, Micro and Nano Mechanical Engineering,
Grant: TR-35004,
Project funded by Ministry of Education, Science and Technological Development of the Government of the Republic of Serbia