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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name and family name | | | | | | | | Oskar Marko | | | | | | |
| Title | | | | | | | | PhD, Research Associate | | | | | | |
| Name of the institution employing the teacher full-time or part-time, since when | | | | | | | | Faculty of Sciences, UNS, part-time, since 2019 | | | | | | |
| A narrow scientific or artistic field | | | | | | | | Electronics, Telecommunications and IT | | | | | | |
| Academic career | | | | | | | | | | | | | | |
|  | | | | | Year | Institution | | | | Scientific or art field | | | Narrow scientific, art or vocational field | |
| Election to a title | | | | | 2020 | BioSense Institute | | | | Engineering and technology | | | Electronics, Telecommunications and IT | |
| Doctorate | | | | | 2019 | Faculty of Technical Sciences | | | | Engineering and technology | | | Electronics, Telecommunications and IT | |
| Master degree | | | | | 2014 | Faculty of Technical Sciences | | | | Engineering and technology | | | Electronics, Telecommunications and IT | |
| Diploma | | | | | 2013 | Faculty of Technical Sciences | | | | Engineering and technology | | | Electronics, Telecommunications and IT | |
| **List of subject the teacher has been accredited for in the first or the second degree of studies** | | | | | | | | | | | | | | |
| No.  1,2,3.... | Code of the subject | | Name of the subject | | | | | | Model of teaching | | | Name of the study program | | Type of studies (ОСС, ССС, ОАС, МСС, МАС, САС) |
| 1 | MDS06 | | Pattern Recognition and Machine Learning | | | | | | Lectures/tutorials | | | MDS | | MAS |
| 2 | МDS20 | | Introduction to Image Processing | | | | | | Lectures/tutorials | | | MDS | | MAS |
| **Representative references (minimum 5, maximum 10)** | | | | | | | | | | | | | | |
|  | | Perakis, K., Lampathaki, F., Nikas, K., Georgiou, Y., Marko, O., & Maselyne, J. (2020). CYBELE–Fostering precision agriculture & livestock farming through secure access to large-scale HPC enabled virtual industrial experimentation environments fostering scalable big data analytics. Computer Networks, 168, 107035, **M21**, DOI: https://doi.org/10.1016/j.comnet.2019.107035 | | | | | | | | | | | | |
|  | | Marko, O., Brdar, S., Panic, M., Lugonja, P., & Crnojevic, V. (2016). Soybean varieties portfolio optimisation based on yield prediction. Computers and Electronics in Agriculture, 127, 467-474, **M21**, DOI: https://doi.org/10.1016/j.compag.2016.07.009 | | | | | | | | | | | | |
|  | | Marko, O., Brdar, S., Panić, M., Šašić, I., Despotović, D., Knežević, M., & Crnojević, V. (2017). Portfolio optimization for seed selection in diverse weather scenarios. PloS one, 12(9), e0184198, **M21**, DOI: https://doi.org/10.1371/journal.pone.0184198 | | | | | | | | | | | | |
|  | | Šikoparija, B., Mimić, G., Panić, M., Marko, O., Radišić, P., Pejak-Šikoparija, T., & Pauling, A. (2018). High temporal resolution of airborne Ambrosia pollen measurements above the source reveals emission characteristics. Atmospheric Environment, 192, 13-23, **M21**, DOI: https://doi.org/10.1016/j.atmosenv.2018.08.040 | | | | | | | | | | | | |
|  | | Šikoparija, B., Marko, O., Panić, M., Jakovetić, D., & Radišić, P. (2018). How to prepare a pollen calendar for forecasting daily pollen concentrations of Ambrosia, Betula and Poaceae?. Aerobiologia, 34(2), 203-217, **M22**, https://doi.org/10.1007/s10453-018-9507-9 | | | | | | | | | | | | |
|  | | Zhou, N., Georgiou, Y., Pospieszny, M., Zhong, L., Zhou, H., Niethammer, C., ... & Hoppe, D. (2021). Container orchestration on HPC systems through Kubernetes. Journal of Cloud Computing, 10(1), 1-14, **M22**, DOI: https://doi.org/10.1186/s13677-021-00231-z | | | | | | | | | | | | |
|  | | Pejak, B., Lugonja, P., Antić, A., Panić, M., Pandžić, M., Alexakis, E., ... & Crnojević, V. (2022). Soya Yield Prediction on a Within-Field Scale Using Machine Learning Models Trained on Sentinel-2 and Soil Data. Remote Sensing, 14(9), 2256, **M21**, DOI: https://doi.org/10.3390/rs14092256 | | | | | | | | | | | | |
| **Cumulative information about teachers scientific, art or vocational activity** | | | | | | | | | | | | | | |
| Total number of citations | | | | | | | 152 | | | | | | | |
| Total number of papers from the SCI (SSCI) list | | | | | | | 12 | | | | | | | |
| Current participation in projects | | | | | | | National: 2 | | | | International: 3 | | | |
| Specializations | | | | Study visits to Michigan State University, University of Strathclyde (UK) and Wageningen University | | | | | | | | | | |
| Other information you may consider important: Assistant Director for Innovation and Collaboration with Industry at BioSense Institute, founder of many startups, including Cropt with €500k investments | | | | | | | | | | | | | | |
| These data shall be given for each teacher, or a book of all teachers in the institution can be made using the same form, which is given in this list as an attachment. This Table may not exceed one A4 page. | | | | | | | | | | | | | | |