|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name and family name | | | | | | | | Tatjana Lončar-Turukalo | | | | | | |
| Title | | | | | | | | Full professor | | | | | | |
| Name of the institution employing the teacher full-time or part-time, since when | | | | | | | | Faculty of Technical Sciences, University of Novi Sad | | | | | | |
| A narrow scientific or artistic field | | | | | | | | Telecommunications and signal processing | | | | | | |
| Academic career | | | | | | | | | | | | | | |
|  | | | | | Year | Institution | | | | Scientific or art field | | | Narrow scientific, art or vocational field | |
| Election to a title | | | | | 2022 | Faculty of Technical Sciences, University of Novi Sad | | | | Electrical and computer engineering | | | Telecommunications and signal processing | |
| Doctorate | | | | | 2011 | Faculty of Technical Sciences, University of Novi Sad | | | | Electrical and computer engineering | | | Telecommunications and signal processing | |
| Diploma | | | | | 2001 | Faculty of Technical Sciences, University of Novi Sad | | | | Electrical and computer engineering | | | Telecommunications and signal processing | |
| **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 |  | | Big data in Medicine and Biology | | | | | | lectures | | | Applied mathematics- Data Science | | MAC |
| **Representative references (minimum 5, maximum 10)** | | | | | | | | | | | | | | |
|  | | Ivan Lazic\*, Riccardo Pernice, Tatjana Loncar-Turukalo\*, Gorana Mijatovic, Luca Faes "Assessment of Cardiorespiratory Interactions during Apneic Events in Sleep via Fuzzy Kernel Measures of Information Dynamics," Entropy (Basel). 2021 May 31;23(6):698. DOI: [10.3390/e23060698](https://doi.org/10.3390/e23060698) , M22 | | | | | | | | | | | | |
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|  | | Bruno M Rocha, Dimitris Filos, Luís Mendes, Gorkem Serbes, Sezer Ulukaya, Yasemin P Kahya, Nikša Jakovljevic, Tatjana Loncar Turukalo, Ioannis M Vogiatzis, Eleni Perantoni, Evangelos Kaimakamis, Pantelis Natsiavas, Ana Oliveira, Cristina Jácome, Alda Marques, Nicos Maglaveras, Rui Pedro Paiva, Ioanna Chouvarda, Paulo de Carvalho: „An open access database for the evaluation of respiratory sound classification algorithms“, Physiological measurement 40 (3), 035001, 2019, DOI: [10.1088/1361-6579/ab03ea](https://doi.org/10.1088/1361-6579/ab03ea) , M22 | | | | | | | | | | | | |
|  | | Massimiliano Zanin, Ilinka Ivanoska, Bahar Güntekin, Görsev Yener, Tatjana Loncar-Turukalo, Niksa Jakovljevic, Olivera Sveljo, David Papo, “A fast transform for brain connectivity difference evaluation”, Neuroinformatics, 2021, open access, DOI: [10.1007/s12021-021-09518-7](https://doi.org/10.1007/s12021-021-09518-7) , M22 | | | | | | | | | | | | |
|  | | Vladimir Tadić, Zoltan Kiraly, Peter Odry, Zeljen Trpovski and Tatjana Loncar Turukalo: „Comparison of Gabor Filter Bank and Fuzzified Gabor Filter for License Plate Detection“, Acta Polytechnica Hungarica, Vol. 17, No. 1, Str. 61-81, 2020, ISSN 1785-8860, M23 | | | | | | | | | | | | |
|  | | Tatjana Loncar-Turukalo\*, Eftim Zdravevski, Jose Machado da Silva J, Ioanna Chouvarda, Vladimir Trajkovik: „Literature on Wearable Technology for Connected Health: Scoping Review of Research Trends, Advances, and Barriers“; Journal of Medical Internet Research, 2019; 21(9):e14017; DOI: [10.2196/14017](https://doi.org/10.2196/14017) , M21a | | | | | | | | | | | | |
|  | | Tadic, Vladimir; Loncar-Turukalo, Tatjana; Odry, Akos; Trpovski, Zeljen; Toth, Attila; Vizvari, Zoltan; Odry, Peter. 2021. "A Note on Advantages of the Fuzzy Gabor Filter in Object and Text Detection" Symmetry 13, no. 4: 678. [10.3390/sym13040678](https://doi.org/10.3390/sym13040678), M22 | | | | | | | | | | | | |
|  | | Laura Judith Marcos Zambrano, Kanita Karaduzovic-Hadziabdic, Tatjana Loncar-Turukalo, Piotr Przymus, Vladimir Trajkovik, Oliver Aasmets, Magali Berland, Aleksandra Gruca, Jasminka Hasic Telalovic, Hron Karel, Thomas Klammsteiner, Mikhail Kolev, Leo Lahti, Mart B Lopes, Victor Moreno, Irina Naskinova, Elin Org, Inês Paciência, Georgios Papoutsoglou, Rajesh Shigdel, Blaz Stres, Baiba Vilne, Malik Yousef, Eftim Zdravevski, Ioannis Tsamardinos, Enrique Carrillo de Santa Pau, Marcus Claesson, Isabel Moreno Indias, Jaak Truu, “Applications of machine learning in human microbiome studies: a review on feature selection, biomarker identification, disease prediction and treatment”, Frontiers in Microbiology, vol. 12. pp.1-25, 2021, DOI [10.3389/fmicb.2021.634511](https://doi.org/10.3389/fmicb.2021.634511) , M21 | | | | | | | | | | | | |
|  | | Gorana Mijatović, **Tatjana Lončar-Turukalo,** Emmanuel Procyk, Dragana Bajić,” A Novel Approach to Probabilistic Characterisation of Neural Firing Patterns” Journal of Neuroscience Methods, vol. 305 (2018), pp. 67-81 ISSN 0165-0270, DOI [10.1016/j.jneumeth.2018.05.005](https://doi.org/10.1016/j.jneumeth.2018.05.005) M22 | | | | | | | | | | | | |
| **Cumulative information about teachers scientific, art or vocational activity** | | | | | | | | | | | | | | |
| Total number of citations | | | | | | | 751 | | | | | | | |
| Total number of papers from the SCI (SSCI) list | | | | | | | 21 | | | | | | | |
| Current participation in projects | | | | | | | National 1 | | | | International 5 | | | |
| Specializations | | | | Instituto superior tecnico, Lisbon, research visit funded by the COST Action 1405 “ENJECT” “Learning From Sequences - Human-Centered Data Processing” | | | | | | | | | | |