

Jani Bizjak

Personal bibliography for the period 2012-2018

ARTICLES AND OTHER COMPONENT PARTS

1.01 Original scientific article

1. BIZJAK, Jani, GRADIŠEK, Anton, STEPANČIČ, Luka, GJORESKI, Hristijan, GAMS, Matjaž. Intelligent assistant carer for active aging. *EURASIP journal on advances in signal processing*, ISSN 1687-6172. [Print ed.], 2017, vol. 2017, str. 76-1-76-10, doi: <https://doi.org/10.1186/s13634-017-0511-y>. [COBISS.SI-ID 30884391]

1.08 Published scientific conference contribution

2. EVSEEV, Greg, BIZJAK, Jani, GRASSELLI, Gregor, TAVČAR, Aleš, MAHNIČ, Blaž, GAMS, Matjaž. Intelligent society. V: GAMS, Matjaž (ur.), ZUPANČIČ, Jernej (ur.). *Delavnica AS-IT-IC : zbornik 20. mednarodne multikonference Informacijska družba - IS 2017, 9. in 13. oktober 2017, [Ljubljana, Slovenia] : zvezek E = AS-IT-IC Workshop : proceedings of the 20th International Multiconference Information Society - IS 2017, October 9th and 13th, 2017, Ljubljana, Slovenia : volume E*. Ljubljana: Institut Jožef Stefan. 2017, str. 7-10.

<https://is.ijs.si/archive/proceedings/2017/files/Zbornik%20-%20E.pdf> . [COBISS.SI-ID 30880807]

3. BIZJAK, Jani, GRADIŠEK, Anton, STEPANČIČ, Luka, GJORESKI, Hristijan, GAMS, Matjaž, GOLJUF, Karmen. Intelligent system to assist the independent living of the elderly. V: JUNG, Jason J. (ur.). *IE' 2017, The 13th International Conference on Intelligent Environments, 23-25 August 2017, Seoul, Korea*. Danvers: IEEE = Institute of Electrical and Electronics Engineers. 2017, str. 180-183. [COBISS.SI-ID 30955559]

4. BIZJAK, Jani, GRADIŠEK, Anton, STEPANČIČ, Luka, PRESETNIK, Primož. Bat classification using deep neural network. V: LUŠTREK, Mitja (ur.), PILTAVER, Rok (ur.), GAMS, Matjaž (ur.). *Slovenska konferenca o umetni inteligenci : zbornik 20. mednarodne multikonference Informacijska družba - IS 2017, 9.-13. oktober 2017, [Ljubljana, Slovenia] : zvezek A = Slovenian Conference on Artificial Intelligence : proceedings of the 20th International Multiconference Information Society - IS 2017, 9th-13th October, 2017, Ljubljana, Slovenia : volume A*. Ljubljana: Institut Jožef Stefan. 2017, str. 27-30. <https://is.ijs.si/archive/proceedings/2017/files/Zbornik%20-%20A.pdf> . [COBISS.SI-ID 30854439]

5. BIZJAK, Jani, GJORESKI, Hristijan, GAMS, Matjaž. Projekt IN LIFE v Sloveniji. V: GAMS, Matjaž (ur.), BAJEC, Marko (ur.). *Delavnica Elektronsko in mobilno zdravje : zbornik 19. mednarodne multikonference Informacijska družba - IS 2016, 10.-11. oktober 2016, [Ljubljana, Slovenija] : zvezek G = Workshop Electronic and Mobile Health : proceedings of the 19th International Multiconference*

Information Society - IS 2016, 10-11 October 2016, Ljubljana, Slovenia : volume G. Ljubljana: Institut Jožef Stefan. 2016, str. 7-9, ilustr. http://library.ijs.si/Stacks/Proceedings/InformationSociety/2016/IS2016_Volume_G%20-%20EMZ.pdf . [COBISS.SI-ID 29881895]

6. BIZJAK, Jani, GJORESKI, Hristijan, GAMS, Matjaž. Pametna ura za starejše. V: GAMS, Matjaž (ur.), BAJEC, Marko (ur.). *Delavnica Elektronsko in mobilno zdravje : zbornik 19. mednarodne multikonference Informacijska družba - IS 2016, 10.-11. oktober 2016, [Ljubljana, Slovenija] : zvezek G = Workshop Electronic and Mobile Health : proceedings of the 19th International Multiconference Information Society - IS 2016, 10-11 October 2016, Ljubljana, Slovenia : volume G*. Ljubljana: Institut Jožef Stefan. 2016, str. 10-13, ilustr. http://library.ijs.si/Stacks/Proceedings/InformationSociety/2016/IS2016_Volume_G%20-%20EMZ.pdf . [COBISS.SI-ID 29882151]

7. BONCHANOSKI, Martin, GJORESKI, Hristijan, BIZJAK, Jani, GAMS, Matjaž. Smartwatch fall detection. V: GAMS, Matjaž (ur.), BAJEC, Marko (ur.). *Delavnica Elektronsko in mobilno zdravje : zbornik 19. mednarodne multikonference Informacijska družba - IS 2016, 10.-11. oktober 2016, [Ljubljana, Slovenija] : zvezek G = Workshop Electronic and Mobile Health : proceedings of the 19th International Multiconference Information Society - IS 2016, 10-11 October 2016, Ljubljana, Slovenia : volume G*. Ljubljana: Institut Jožef Stefan. 2016, str. 17-20, ilustr. http://library.ijs.si/Stacks/Proceedings/InformationSociety/2016/IS2016_Volume_G%20-%20EMZ.pdf . [COBISS.SI-ID 29882407]

8. GRADIŠEK, Anton, BIZJAK, Jani, GAMS, Matjaž. Platforma za prepoznavanje in klasifikacijo različnih tipov zvokov. V: GAMS, Matjaž (ur.), BAJEC, Marko (ur.). *Delavnica Elektronsko in mobilno zdravje : zbornik 19. mednarodne multikonference Informacijska družba - IS 2016, 10.-11. oktober 2016, [Ljubljana, Slovenija] : zvezek G = Workshop Electronic and Mobile Health : proceedings of the 19th International Multiconference Information Society - IS 2016, 10-11 October 2016, Ljubljana, Slovenia : volume G*. Ljubljana: Institut Jožef Stefan. 2016, str. 46-48. http://library.ijs.si/Stacks/Proceedings/InformationSociety/2016/IS2016_Volume_G%20-%20EMZ.pdf . [COBISS.SI-ID 29883175]

9. MAGAJNA, Tadej, BIZJAK, Jani, GJORESKI, Hristijan, GAMS, Matjaž. IN LIFE web portal for care-giver support. V: GAMS, Matjaž (ur.), BAJEC, Marko (ur.). *Delavnica Elektronsko in mobilno zdravje : zbornik 19. mednarodne multikonference Informacijska družba - IS 2016, 10.-11. oktober 2016, [Ljubljana, Slovenija] : zvezek G = Workshop Electronic and Mobile Health : proceedings of the 19th International Multiconference Information Society - IS 2016, 10-11 October 2016, Ljubljana, Slovenia : volume G*. Ljubljana: Institut Jožef Stefan. 2016, str. 63-64. http://library.ijs.si/Stacks/Proceedings/InformationSociety/2016/IS2016_Volume_G%20-%20EMZ.pdf . [COBISS.SI-ID 29883687]

10. GJORESKI, Hristijan, BIZJAK, Jani, GAMS, Matjaž. Using smartwatch as telecare and fall detection device. V: *IE 2016, The 12th International Conference on Intelligent Environments*, 14-16 September 2016, London, United Kindom. Danvers: IEEE = Institute of Electrical and Electronics Engineers. 2016, str. 242-245. [COBISS.SI-ID 29775143]

11. GJORESKI, Hristijan, BIZJAK, Jani, GJORESKI, Martin, GAMS, Matjaž. Comparing deep and classical machine learning methods for human activity recognition using wrist accelerometer. V: KAMBHAMPATI, Subbarao (ur.). *Proceedings of the Twenty-Fifth International Joint Conference on Artificial Intelligence, ICJAI 2016, 9-15 July 2016, New York, USA*. Palo Alto: AAAI Press = The Association for the Advancement of Artificial Intelligence Press. 2016, 7 str. [http://www.cc.gatech.edu/~alanwags/DLAI2016/2.%20\(Gjoreski+\)%20Comparing%20Deep%20and%20Classical%20Machine%20Learning%20Methods%20for%20Human%20Activity%20Recognition%20using%20Wrist%20Accelerometer.pdf](http://www.cc.gatech.edu/~alanwags/DLAI2016/2.%20(Gjoreski+)%20Comparing%20Deep%20and%20Classical%20Machine%20Learning%20Methods%20for%20Human%20Activity%20Recognition%20using%20Wrist%20Accelerometer.pdf). [COBISS.SI-ID 29760551]

12. BIZJAK, Jani, KONONENKO, Igor. Analiza signalov EKG z globokimi nevronskimi mrežami. V: PILTAVER, Rok (ur.), GAMS, Matjaž (ur.). *Inteligentni sistemi : zbornik 18. mednarodne multikonference Informacijska družba - IS 2015, 7. oktober 2015, [Ljubljana, Slovenija] : zvezek A = Intelligent systems : proceedings of the 18th International Multiconference Information Society - IS 2015, October 7th, 2015, Ljubljana, Slovenia : volume A*. Ljubljana: Institut Jožef Stefan. 2015, str. 5-8. http://library.ijs.si/Stacks/Proceedings/InformationSociety/2015/IS2015_Volume_A\%20-%20Inteligentni%20sistemi.pdf . [COBISS.SI-ID 28924711]

1.12 Published scientific conference contribution abstract

13. BIZJAK, Jani, GRADIŠEK, Anton, GJOESKI, Hristijan, GAMS, Matjaž. Fall detection watch for independent living of the elderly. V: PAVLIN, Majda (ur.), et al. *Zbornik = Proceedings*, 9. študentska konferenca Mednarodne podiplomske šole Jožefa Stefana in 11. dan mladih raziskovalcev (Konferenca KMBO) = 9th Jožef Stefan International Postgraduate School Students' Conference and 11th Young researchers' Day, [19.-20. 4. 2017, Ljubljana, Slovenija]. Ljubljana: Mednarodna podiplomska šola Jožefa Stefana: = Jožef Stefan International Postgraduate School: Institut Jožef Stefan: = Jožef Stefan Institute. 2017, str. 37. El.virnanaslovu http://ipssc.mps.si/proceedings/Proceedings_IPSSC+CMBE_2017.pdf `nive\{c}dostopen(15.3.2018)`. [COBISS.SI-ID 30456871]

MONOGRAPHS AND OTHER COMPLETED WORKS

2.09 Master's thesis

14. BIZJAK, Jani. *ECG signal analysis using deep neural networks*. Ljubljana: [J. Bizjak], 2015. III, 76 str., ilustr. [COBISS.SI-ID 17445721]

2.11 Undergraduate thesis

15. BIZJAK, Jani. *Object search using mobile platform and RGBD camera*. Ljubljana: [J. Bizjak], 2012. 53 str., ilustr. <http://eprints.fri.uni-lj.si/1797/> . [COBISS.SI-ID 9466452]

2.21 Software

16. ŠEF, Tomaž, KOSTADINOVSKI, Dejan, BIZJAK, Jani. *DysLex - Android*. Ljubljana: Institut Jožef Stefan, Odsek za inteligentne sisteme, 2015. <https://play.google.com/store/apps/details?id=si.ijs.dyslex> . [COBISS.SI-ID 29249831]

PERFORMED WORKS (EVENTS)

3.11 Radio or television event

17. GRADIŠEK, Anton, BIZJAK, Jani. *Pametna ura IN LIFE za pomoč starejšim, 23. 1. 2017 : RTV Slovenija, oddaja, Dobro jutro*. [COBISS.SI-ID 30192679]

3.15 Unpublished conference contribution

18. BIZJAK, Jani, GAMS, Matjaž, GRADIŠEK, Anton. *Intelligent assistant carer for active ageing : fall detection & eDoorman : Workshop Ageing better in real life!, 17 January 2018, Madrid, Spain*.

[COBISS.SI-ID 31134247]

19. GRADIŠEK, Anton, BIZJAK, Jani, LUŠTREK, Mitja, GAMS, Matjaž. *Tehnologije za pomoč starejšim : OECD High-level Conference on Policies for Equal Ageing: A Life-Course Approach, 25-26. januar 2018, Brdo pri Kranju, Slovenija.* [COBISS.SI-ID 31158567]

20. BIZJAK, Jani, GRADIŠEK, Anton, STEPANČIČ, Luka, GJORESKI, Hristijan, GAMS, Matjaž. *Smartwatch for active ageing as part of an open EU framework : presented at BOOM 2017, 2nd International Workshop on Biomedical Informatics with Optimization and Machine Learning in conjunction with 26th International joint Conference on Artificial Intelligence (IJCAI), August 21th, 2017, Melbourne, Australia.* [COBISS.SI-ID 30779687]

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