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WideHealth

Project full title: Widening Research on Pervasive and eHealth
Project Acronym: WideHealth
Project no.: 952279

D5.1 UKIM publications in high impact journals in the WideHealth research fields

Version	V1
Due date of deliverable	February 2021
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Dissemination Level	Public
Work Package	WP5 – Joint WideHealth Outputs
Lead deliverable partner	UKIM
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Reviewer(s)	Sara Testa (FBK), Oscar Mayora (FBK)

Abstract:

This deliverable is requested by the EC as a reference point that will be used to measure the evolution of the Coordinating Legal Entity in terms of increase in publications in the high impact journals in the relevant research fields in the project. The reference period is three years prior to the start of the project.

Keyword list: Benchmark, Publications

Document History

Version	Date	Author (Unit)	Description
0.1	*Jan 10, 2021*	*Hristijan Gjoreski (UKIM)*	*Initial planned content and structure*
0.2	*Feb 2, 2021*	*Hristijan Gjoreski (UKIM)*	*Added first round of content*
0.3	*Feb 5, 2021*	*Sara Testa (FBK)*	*First review of content*
0.4	*Feb 8, 2021*	*Daniel Denkovski (UKIM)*	*Uploading the papers in the Reporting Tool - Sygma*
0.5	*Feb 12, 2021*	*Valentin Rakovic (UKIM)*	*Text formatting and template association*
0.5	*Feb 23, 2021*	*Oscar Mayora (FBK)*	*Final review*
1	*Feb 24, 2021*	*Hristijan Gjoreski (UKIM)*	*Final corrections and submission*

1 UKIM's publications

Via this report we confirm that we have encoded in the Continuous Reporting Tool – in the PUBLICATIONS Tab – all the "Peer-Reviewed Publications" relevant to our project and which fall in the particular field of research of our project's Action, for the Coordinating Legal Entity, during the 3 years preceding the start date of the project. The number of the introduced publications is the following:

- 3 journal articles:

  [1] Martin Gjoreski et al. "Datasets for Cognitive Load Inference Using Wearable Sensors and Psychological Traits," *MDPI Applied Sciences* 10 (11), 3843, **2020**. doi: 10.3390/app10113843

  [2] Ivana Kiprijanovska, Hristijan Gjoreski and Matjaž Gams, "Detection of Gait Abnormalities for Fall Risk Assessment Using Wrist-Worn Inertial Sensors and Deep Learning," *MDPI Sensors* 20 (18), 5373, **2020.** doi: 10.3390/s20185373

  [3] Goran Jakimovski and Danco Davcev, "Using Double Convolution Neural Network for Lung Cancer Stage Detection," *MDPI Applied Sciences* 9 (3), 427, **2019.** doi: 10.3390/app9030427

In addition to the 3 journal articles, here we list other publications that are related to the topic, but are not publications in impact journals, and therefore are not essential for this deliverable:

- 1 book chapter:

  [4] Hristijan Gjoreski et al. "Wearable Sensors Data-Fusion and Machine-Learning Method for Fall Detection and Activity Recognition," In: Ponce H., Martínez-Villaseñor L., Brieva J., Moya-Albor E. (eds) *Challenges and Trends in Multimodal Fall Detection for Healthcare. Studies in Systems, Decision and Control*, vol 273. Springer, Cham, **2020**. doi: 10.1007/978-3-030-38748-8_4

- 2 conference papers:

  [5] Goran Jakimovski and Danco Davcev, "Lung cancer medical image recognition using Deep Neural Networks," *2018 Thirteenth International Conference on Digital Information Management (ICDIM)*, pp. 1-5, Berlin, Germany, **2018**. doi: 10.1109/icdim.2018.8847136

  [6] Marija Trajanoska et al., "Context-Aware Stress Detection in the AWARE Framework," *21st international multiconference Information Society (IS) 2018*, pp. 57-60, Ljubljana, Slovenia, **2018**.

- 2 workshop papers:

  [7] Martin Gjoreski et al., "Deep Ensembles for Inter-Domain Arousal Recognition," Proceedings of Machine Learning Research 86 (Workshop on Artificial Intelligence in Affective Computing), Online, **2020**.

  [8] Martin Gjoreski et al., "Cross-dataset deep transfer learning for activity recognition," Adjunct Proceedings of the 2019 ACM International Joint Conference on Wearable Computers – ISWC, pp. 714–718, London, United Kingdom, **2019**.