

List of Publications

(updated on 5 January 2018)

Articles in refereed journals

1. R. Besenczi, J. Tóth, and A. Hajdu: *A Review on Automatic Analysis Techniques for Color Fundus Photographs*, Computational and Structural Biotechnology Journal, vol. 14, pp. 371-384, 2016. (SJR: Q2) DOI:10.1016/j.csbj.2016.10.001

Articles in conference proceedings

1. J. Tóth, L. Bartha, T. Szabó, I. Lázár, B. Harangi, and A. Hajdu: *An Online Application for Storing, Analyzing, and Sharing Dermatological Data*, IEEE 6th International Conference on Cognitive Infocommunications (CogInfoCom 2015), Győr, Hungary, 19-21 October 2015, pp. 339-342. DOI:10.1109/CogInfoCom.2015.7390615
2. J. Tóth, H. Tomán, and A. Hajdu: *Improving the Performance of an Ensemble-based Exudate Detection System Using Stochastic Parameter Optimization*, 37th Annual International Conference of the IEEE Engineering in Medicine and Biology Society (EMBC 2015), Milan, Italy, 25-29 August 2015, pp. 5243-5246. DOI: 10.1109/EMBC.2015.7319574
3. J. Tóth, L. Kovács, B. Harangi, Cs. Kiss, A. Mohácsi, Z. Orosz, and A. Hajdu: *An Online System for Benchmarking Image Processing Algorithms*, 10th Conference of the Hungarian Association for Image Processing and Pattern Recognition (KÉPAF 2015), 27-30 January 2015, pp. 305-316.
4. J. Tóth, L. Kovács, B. Harangi, Cs. Kiss, A. Mohácsi, Z. Orosz, and A. Hajdu: *An Online Benchmark System for Image Processing Algorithms*, IEEE 5th International Conference on Cognitive Infocommunications (CogInfoCom 2014), Vietri sul Mare, Italy, 5-7 November 2014, pp. 377-382. DOI:10.1109/CogInfoCom.2014.7020482
5. J. Tóth, L. Kovács, B. Harangi, Cs. Kiss, A. Mohácsi, Z. Orosz, and A. Hajdu: *An Online System for Algorithm Benchmarking*, IEEE 5th International Conference on Cognitive Infocommunications (CogInfoCom 2014), Vietri sul Mare, Italy, 5-7 November 2014, pp. 383, abstract/demo paper. DOI:10.1109/CogInfoCom.2014.7020483
6. J. Tóth, L. Szakács, and A. Hajdu: *Finding the Optimal Parameter Setting for an Ensemble-based Lesion Detector*, IEEE 21st International Conference on Image Processing (ICIP 2014), Paris, France, 27-30 October 2014, pp. 3532-3536. DOI:10.1109/ICIP.2014.7025717
7. J. Tóth, I. Papp, R. Tornai, I. Labancz, E. Hajduné Pocsai, and A. Hajdu: *Cognitive Visualization for the Design of Complex Systems*, IEEE 4th International Conference on Cognitive Infocommunications (CogInfoCom 2013), Budapest, Hungary, 2-5 December 2013, pp. 363-368. DOI:10.1109/CogInfoCom.2013.6719272
8. Cs. Lámfalusi, D. Girus, K. Kruppa, J. Tóth, E. Hajduné Pocsai, R. Kunkli, A. Hajdu, B. L. Bálint: *Extending the Visualization Capabilities of a Genome Browser*, IEEE 4th International Conference on Cognitive Infocommunications (CogInfoCom 2013), Budapest, Hungary, 2-5 December 2013, pp. 419-422. DOI:10.1109/CogInfoCom.2013.6719283
9. Cs. Lámfalusi, D. Girus, K. Kruppa, J. Tóth, E. Hajduné Pocsai, R. Kunkli, A. Hajdu, B. L. Bálint: *Adding a Scalable Visualization Technique to the UCSC Genome Browser*, IEEE 4th International Conference on Cognitive Infocommunications (CogInfoCom 2013), Budapest, Hungary, 2-5 December 2013, pp. 943, abstract/demo paper.

10. A. Ayoub, A. Hajdu, Á. Nagy, J. Szakács, and J. Tóth: *Automatikus pigmenthálózat-detektálás dermatoszkópos képeken*, 9th Conference of the Hungarian Association for Image Processing and Pattern Recognition (KÉPAF 2013), Bakonybél, Hungary, 29 January 2013 – 1 February 2013, pp. 439-449. (in Hungarian)
11. A. Hajdu, J. Tóth, Z. Pistár, B. Domokos, and Zs. Török: *An Ensemble-based Collaborative Framework to Support Customized User Needs*, IEEE 3rd International Conference on Cognitive Infocommunications (CogInfoCom 2012), Kosice, Slovakia, 2-5 December 2012, pp. 285-290. DOI:10.1109/CogInfoCom.2012.6421995

Posters

1. J. Tóth, A. Hajdu, and A. Csutak: *Egy optimális ensemble-alapú mikroaneurizma detektor létrehozása*, Vaszkuláris és kardiális kutatóhálózat: Az ér- és a kardiovaszkuláris betegségek patomechanizmusai, diagnosztikái, farmakológiai befolyásolhatóságuk az alapkutatás szintjén, Debrecen, Hungary, 2-7 November 2014. (in Hungarian)
2. J. Tóth, A. Hajdu, B. Antal, and A. Csutak: *Képi modalitáson alapuló automatikus elváltozás-kereső rendszer fejlesztése*, A szív- és érbetegségek interdiszciplináris kutatása a DE OEC-ben, Debrecen, Hungary, 15 November 2013. (in Hungarian)