

List of Publications

Horst Bunke
(September 2018)

Reviewed Journal Papers

1. Anjan Dutta, Josep Lladós, Horst Bunke, Umapada Pal: Product graph-based higher order contextual similarities for inexact subgraph matching. *Pattern Recognition* 76: 596-611 (2018)
2. Andreas Fischer, Kaspar Riesen, Horst Bunke: Improved quadratic time approximation of graph edit distance by combining Hausdorff matching and greedy assignment. *Pattern Recognition Letters* 87: 55-62 (2017)
3. Riesen, K., Fischer, A. & Bunke, H.: On the impact of using utilities rather than costs for graph matching, *Neural Processing Letters* (2017). DOI org/10.1007/s11063-017-9739-7
4. Riesen, K., Bunke, H.: Estimating graph edit distance using lower and upper bounds of bipartite approximations, *Int. Journal of Pattern Recognition and Art. Intelligence* 29(2), 2015, DOI 10.1142/S0218001415500111
5. Riesen, K., Ferrer, M., Bunke, H.: Approximate graph edit distance in quadratic time, SI IEEE TCBB, Vol PP, Issue 99, 2015, DOI 10.1109/TCBB.2015.2478463
6. Riesen, K., Bunke, H.: Improving bipartite graph edit distance approximation using various search strategies, *Pattern Recognition* 48, 2015, 1345 - 1359
7. Dahm, N., Bunke, H., Caelli, T., Y. Gao: Efficient subgraph matching using topological node feature constraints, *Pattern Recognition* 48, 2015, 317 – 330
8. Fischer, A., Suen, C.Y., Frinken, V., Riesen, K., Bunke, H.: Approximation of graph edit distance based on Hausdorff matching, *Pattern Recognition* 48, 2015, 331 - 343
9. Frinken, V., Fischer, A., Baumgärtner, M., Bunke, H.: Keyword spotting for self-training of BLSTM NN based handwriting recognition systems, *Pattern Recognition* 47(3), 2014, 1073 – 1082
10. F. Zamora-Martinez, F., Frinken, V. Espana-Boquera, S., Castro-Bleda, M.J. Fischer, A., Bunke, H.: Neural network language models for off-line handwriting recognition, *Pattern Recognition* 47(4), 2014, 1642 – 1652
11. Richiardi, J., Achard, S., Bunke, H., Van De Ville, D.: Machine learning with brain graphs: predictive modeling approaches for functional imaging in systems neuroscience, *IEEE Signal Processing Magazine* 30(3), 2013, Article 6494687, 58-70
12. Gibert, J., Valveny, E., Bunke, H.: Embedding of graphs with discrete attributes via label frequencies, *Int. Journal of Pattern Recognition and Art. Intelligence* 27(3), 2013, DOI: 10.1142/S0218001413600021
13. Zhang, H., Wang, D.-H., Liu, Ch.-L., Bunke, H.: Keyword spotting from online Chinese handwritten documents using one-versus-all character classification model, *Int. Journal of Pattern Recognition and Art. Intelligence* 27(3), 2013, DOI: 10.1142/S0218001413530017

14. Borzeshi, E., Piccardi, M., Riesen, K., Bunke, H.: Discriminative prototype selection methods for graph embedding, *Pattern Recognition* 46(6), 2013, 1648-1657
15. Fankhauser, S., Riesen, K., Bunke, H., Dickinson, P.: Suboptimal graph isomorphism using bipartite matching, *Int. Journal of Pattern Recognition and Art. Intelligence* 26(6), 2012, 1250013-1 - 1250013-26
16. Gibert, J., Valveny, E., Bunke, H.: Graph embedding in vector spaces by nodes attribute statistics, *Pattern Recognition* 45(9), 3072-3083, 2012
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Books and Special Issues of Journals

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