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LIST OF PUBLICATIONS

Journal Articles

- [1] Anjan Dutta*, Pau Riba*, Josep Lladós, and Alicia Fornés. “Hierarchical Stochastic Graphlet Embedding for Graph-based Pattern Recognition”. *Neural Computing and Applications* 32 (2020), pp. 11579–11596.
- [2] Lei Kang, Pau Riba, Marçal Rusiñol, Alicia Fornés, and Mauricio Villegas. “Pay Attention to What You Read: Non-recurrent Handwritten Text-Line Recognition”. *arXiv preprint arXiv:2005.13044* (2020).
- [3] Pau Riba, Andreas Fischer, Josep Lladós, and Alicia Fornés. “Learning Graph Edit Distance by Graph Neural Networks”. *arXiv preprint arXiv:2008.07641* (2020).
- [4] Pau Riba, Josep Lladós, and Alicia Fornés. “Hierarchical graphs for coarse-to-fine error tolerant matching”. *Pattern Recognition Letters* 134 (2020), pp. 1116–124.
- [5] Arnau Baró, Pau Riba, Jorge Calvo-Zaragoza, and Alicia Fornés. “From Optical Music Recognition to Handwritten Music Recognition: A baseline”. *Pattern Recognition Letters* 123 (2019), pp. 1–8.
- [6] Lei Kang, Pau Riba, Mauricio Villegas, Alicia Fornés, and Marçal Rusiñol. “Candidate Fusion: Integrating Language Modelling into a Sequence-to-Sequence Handwritten Word Recognition Architecture”. *arXiv preprint arXiv:1912.10308* (2019).
- [7] Pau Riba, Josep Lladós, Alicia Fornés, and Anjan Dutta. “Large-scale graph indexing using binary embeddings of node contexts for information spotting in document image databases”. *Pattern Recognition Letters* 87 (2017), pp. 203–211.

Conference Proceedings

- [1] Lei Kang, Pau Riba, Marçal Rusiñol, Alicia Fornés, and Mauricio Villegas. “Distilling Content from Style for Handwritten Word Recognition”. In: *Proceedings of the International Conference on Frontiers in Handwriting Recognition*. 2020.
- [2] Lei Kang, Pau Riba, Yaxing Wang, Marçal Rusiñol, Alicia Fornés, and Mauricio Villegas. “GANwriting: Content-Conditioned Generation of Styled Handwritten Word Images”. In: *Proceedings of the European Conference on Computer Vision*. 2020.
- [3] Lei Kang, Marçal Rusiñol, Alicia Fornés, Pau Riba, and Mauricio Villegas. “Unsupervised Adaptation for Synthetic-to-Real Handwritten Word Recognition”. In: *Proceedings of the IEEE Winter Conference on Applications of Computer Vision*. 2020.
- [4] Sounak Dey*, Pau Riba*, Anjan Dutta, Josep Lladós, and Yi-Zhe Song. “Doodle To Search: Practical Zero-Shot Sketch-based Image Retrieval”. In: *Proceedings of the IEEE Conference on Computer Vision and Pattern Recognition*. 2019, pp. 2179–2188.
- [5] Pau Riba, Anjan Dutta, Lutz Goldmann, Alicia Fornés, Oriol Ramos, and Josep Lladós. “Table Detection in Invoice Documents by Graph Neural Networks”. In: *Proceedings of the International Conference on Document Analysis and Recognition*. 2019, pp. 122–127.
- [6] Jialuo Chen, Pau Riba, Alicia Fornés, Joan Mas, Josep Lladós, and Joana Maria Pujadas-Mora. “Word-Hunter: A Gamesourcing Experience to Validate the Transcription of Historical Manuscripts”. In: *Proceedings of the International Conference on Frontiers in Handwriting Recognition*. 2018, pp. 528–533.
- [7] Lei Kang, J. Ignacio Toledo, Pau Riba, Mauricio Villegas, Alicia Fornés, and Marçal Rusiñol. “Convolve, Attend and Spell: An Attention-based Sequence-to-Sequence Model for Handwritten Word Recognition”. In: *Proceedings of the German Conference on Pattern Recognition*. 2018.
- [8] Pau Riba, Andreas Fischer, Josep Lladós, and Alicia Fornés. “Learning Graph Distances with Message Passing Neural Networks”. In: *Proceedings of the International Conference on Pattern Recognition*. 2018, pp. 2239–2244.

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- [9] Anjan Dutta, Pau Riba, Josep Lladós, and Alicia Fornés. "Pyramidal Stochastic Graphlet Embedding for Document Pattern Classification". In: *Proceedings of the International Conference on Document Analysis and Recognition*. 2017, pp. 33–38.
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- [12] Arnau Baró, Pau Riba, and Alicia Fornés. "Towards the recognition of compound music notes in handwritten music scores". In: *Proceedings of the International Conference on Frontiers in Handwriting Recognition*. 2016, pp. 465–470.
- [13] Olivier Lefebvre, Pau Riba, Jules Gagnon-Marchand, Charles Fournier, Alicia Fornés, Josep Lladós, and Réjean Plamondon. "Monitoring Neuromotricity On-line: a Cloud Computing Approach". In: *Proceedings of the Biennial Conference of the International Graphonomics Society*. 2015.
- [14] Riba Pau, Alicia Fornés, and Josep Lladós. "Handwritten word spotting by inexact matching of grapheme graphs". In: *Proceedings of the International Conference on Document Analysis and Recognition*. 2015, pp. 781–785.
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- [18] Pau Riba, Almazán, Alicia Fornés, David Fernández-Mota, Ernest Valveny, and Josep Lladós. "e-Crowds: A Mobile Platform for Browsing and Searching in Historical Demography-Related Manuscripts". In: *Proceedings of the International Conference on Frontiers in Handwriting Recognition*. 2014, pp. 228–233.