Deep Learning and Natural Language Processing

Guest Editor:

Prof. Dr. Paulo Quaresma
Algoritmi Research Center,
Informatics Department,
University of Évora, 7002–554
Évora, Portugal

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Message from the Guest Editor

In the last years natural language processing tasks have been able to improve significantly their performance through the use of deep learning methodologies. Machine translation, summarization, and question-answering systems are some examples of tasks that were able to reach a high level of performance.

In this special issue we welcome new research contributions and survey papers describing advances in this relevant domain, with a special focus, but not exclusively on:

- Deep learning architectures specialized for NLP;
- Deep learning based approaches to NLP tasks, such as, NERC, syntactic parsers, semantic analysis, semantic role labeling, information extraction, sentiment analysis, summarization, question-answering and machine translation;
- Hybrid (symbolic + deep learning) approaches to NLP;
- Text annotation using deep-learning approaches;
- Survey papers.

Special Issue

Editor-in-Chief

Prof. Dr. Gianluigi Ferrari
Department of Engineering and
Architecture, University of Parma,
Parco Area delle Scienze, 181/A,
43124 Parma, Italy

Message from the Editor-in-Chief

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