

## Special Issue

# Deep Learning and Natural Language Processing

### 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.

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### Guest Editor

Prof. Dr. Paulo Quaresma

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### Deadline for manuscript submissions

closed (31 January 2023)



## Future Internet

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## About the Journal

### Message from the Editor-in-Chief

*Future Internet* is a fast-growing journal devoted to rapid publications of the latest results in the general areas of computer networking/communications and information systems, with a focus on the Internet of Things, big data and augmented intelligence, smart systems (in terms of technologies, architectures, and applications), network virtualization, edge/fog computing, and cybersecurity. Both theoretical and experimental papers are welcome. Every year, *Future Internet* also features Special Issues dedicated to specific topics within the journal's scope.

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### Editor-in-Chief

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