Language Technologies for Information Extraction

Guest Editor:

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Message from the Guest Editor

Dear Colleagues,

Information extraction (IE) is one of the tasks in the natural language processing (NLP) field. Its goal is to identify and structure relevant data in unstructured or semi-structured documents. Information extraction provides basic components for a wide range of downstream applications in various areas. In business, IE supports robotic process automation (RPA) and business intelligence. In sociological and scientific research, it enables large-scale quantitative analysis of large volumes of texts.

Recent years showed a great impact of deep neural networks and transformer-based pre-trained models on the performance of information extraction tasks. Nevertheless, those approaches do not provide the definitive solution and further research and development are a necessity. The next direction is a neuro-symbolic AI which aims to combine the best features of statistical processing and symbolic representation of knowledge.

The aim of this Special Issue is to gather high-quality submissions presenting state-of-the-art research on language technologies for information extraction, and applications of information extraction methods.

Special Issue

Editor-in-Chief

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Message from the Editor-in-Chief

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