Natural Language Processing and Information Retrieval

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Message from the Guest Editors

Dear Colleagues,

In recent decades, techniques that integrate natural language processing (NLP) and information retrieval (IR) have achieved significant improvements in a wide spectrum of real-life applications, such as question-answering summarization, neural text retrieval and understanding, and representation learning for information extraction. One of the keys to the success of these real-life applications is how NLP and IR integrate in seamless and appropriate ways.

This Special Issue aims to gather works from researchers with broad expertise in NLP and IR that discuss their cutting-edge theories, models, methods, algorithms, applications, or perspectives on future directions. The topics of this Special Issue include but are not limited to:

- Question answering
- Information retrieval and text mining
- NLP and IR theories and applications
- Summarization
- Graph neural networks for NLP and IR
- Machine/deep learning for NLP and IR
- Machine translation and multilingualism
- Syntax: tagging, chunking, and parsing
- Semantics: lexical, sentence-level semantics, textual inference, and other areas
- Generation
- Dialogue and interactive systems
- Search and ranking

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Special Issue

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Message from the Editor-in-Chief

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