

Special Issue

Advances in Information Retrieval and Natural Language Processing

Message from the Guest Editors

In recent decades, due to the rapid development of pre-trained model technology, information retrieval (IR) and natural language processing (NLP) have achieved significant improvements in wide areas, such as conversational systems, retrieval, ranking, knowledge acquisition, and representation learning for information extraction. The idea of pre-trained models with self-supervised language modeling is playing a more and more significant role. This Special Issue is intended to collect emerging contributions in the area of IR and NLP with the discussion on advanced technology to integrate and improve each other in terms of theories, models, and applications. The topics of interest for this Special Issue include, but are not limited to:

- Queries and query analysis
- Web search
- Efficiency and scalability
- Document representation and content analysis
- Question answering
- Conversational systems
- Knowledge representation and reasoning
- Interpretability and Analysis of Models for NLP
- Sentence-level Semantics
- Textual Inference
- Other applications and domains

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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guestedited by leading experts in selected topics of interest.

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