Special Issue

Emerging Theory and Applications in Natural Language Processing

Message from the Guest Editors

Dear Colleagues In recent years, natural language processing (NLP) has been transformed by groundbreaking deep learning advancements and the emergence of large language models (LLMs). The combination of LLMs with adaptation tuning methods has significantly increased the generalization capabilities of NLP models, illuminating the path toward general artificial intelligence systems for researchers. Recognizing the significance of these emerging developments, it is crucial to explore their potential and understand their relationship with classical methods in shaping the future of NLP and its real-world applications. The aim of this Special Issue is to showcase cutting-edge research in NLP, highlighting novel theories, methods, and applications that advance the state of the art, while also promoting interdisciplinary research. Suggested themes for this Special Issue include, but are not limited to:

- 1Novel NLP theory, architectures, and algorithms
- Theoretical foundations of LLMs: emergent abilities, scaling effects, etc
- Model training and utilization strategies
- Efficiency and scalability of language models
- Integration of NLP with other AI technologies

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Deadline for manuscript submissions

closed (15 November 2024)

Electronics

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Impact Factor 2.6
CiteScore 6.1

mdpi.com/si/172656

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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 guest-edited by leading experts in selected topics of interest.

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