Emerging Theory and Applications in Natural Language Processing

Guest Editors:

Dr. Linmei Hu
School of Computer Science and Technology, Beijing Institute of Technology, Beijing 100081, China

Dr. Jian Liu
School of Computer Science, Beijing Jiaotong University, Beijing 100091, China

Dr. Bo Xu
School of Computer Science and Technology, Dalian University of Technology, Dalian 116081, China

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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:

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

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Special Issue

Editor-in-Chief

Prof. Dr. Flavio Canavero
Department of Electronics and Telecommunications, Politecnico di Torino, 10129 Torino, Italy

Message from the Editor-in-Chief

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