

Special Issue

Future Applications of Large Language Models

Message from the Guest Editors

Large Language Models (LLMs) have demonstrated remarkable capabilities across diverse tasks, from text generation and translation to code synthesis and question-answering. However, their true potential lies beyond current applications and into the realm of complex, interactive AI systems. This Special Issue will explore the exciting future directions of LLM research, focusing on how these powerful models can be leveraged to create truly intelligent and helpful tools. We encourage submissions presenting novel research, insightful perspectives, and innovative applications in these crucial areas, particularly those addressing explainability, agentic behavior, and multimodality. Our topics include but are not limited to:

- large language models (LLMs)
- LLM applications
- generative AI
- explainable AI (XAI)
- natural language processing
- artificial intelligence
- human–computer interactions
- agentic AI
- multimodal AI

Guest Editors

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About the Journal

Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

Editor-in-Chief

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