Special Issue

Innovations in NLP and Large Language Models: Shaping the Future of AI

Message from the Guest Editors

Natural Language Processing (NLP) and Large Language Models (LLMs) are at the forefront of innovations in artificial intelligence (AI), driving significant advancements across industries. With the rapid evolution of machine learning techniques, LLMs have revolutionized how machines understand, generate, and interact with human language, enabling more intuitive conversational agents, automated content generation, and enhanced language comprehension. This Special Issue aim to explore the latest breakthroughs in NLP and LLMs, focusing on how these technologies are shaping the future of AI. Contributions will cover a range of topics, from novel NLP techniques and architectures to the real-world application of LLMs, showcasing their transformative potential in areas such as business, healthcare, education, human–computer interaction, business analytics, business intelligence (BI), decision support systems (DSSs), and beyond.

- Natural Language Processing (NLP)
- Large Language Models (LLMs)
- Artificial Intelligence (AI)
- Machine Learning
- Deep Learning
- Applied AI
- Conversational AI
- Human–Computer Interaction
- NLP Applications
- LLM Applications

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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 guestedited by leading experts in selected topics of interest.

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