Special Issue

Advances in Large Language Model Empowered Machine Learning: Design and Application

Message from the Guest Editors

The focus of this Special Issue is to explore the cutting-edge developments in LLM-empowered machine learning, with a particular emphasis on both the design aspects of LLMs and their broad application across diverse domains, such as NLP and CV. We welcome submissions (both of original research papers and review articles) related, but not limited to, the following topics:

- LLM-empowered machine learning:
  - In-context learning;
  - Chain-of-thought reasoning;
  - Content creation;
  - Data analysis and understanding;
  - Knowledge-base/graph enhanced reliable generation.

- LLM-empowered NLP:
  - Summarization and text generation;
  - Information extraction;
  - Question answering;
  - Sentiment analysis and opinion mining;
  - Semantic parsing;
  - Machine translation;
  - Recommendation.

- LLM-empowered multimodal learning:
  - Text-to-image generation;
  - Text-to-video generation;
  - Image/video captioning;
  - 3D understanding;
  - Multimodal information retrieval;
  - Multimodal question answering;
  - Multimodal fusion and integration of information;
  - Multimodal applications/pipelines.

We look forward to receiving your contributions.

Guest Editors

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

Editor-in-Chief

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