

## Special Issue

# Machine Learning Approaches for Natural Language Processing

### Message from the Guest Editors

The objective of this Special Issue is to present cutting-edge research in the field of NLP, with a particular focus on new theories, methodologies, and applications that drive the advancement of current technologies. We aim to delve into the utilization of state-of-the-art pre-trained language models, fostering a wide range of applications from text understanding to generation, and from single-modal to multi-modal learning. Suggested themes for this Special Issue include, but are not limited to, the following:

- Novel NLP algorithms;
- Training and fine-tuning methodologies for LLMs;
- Interpretability of NLP models and LLMs;
- Domain-specific NLP applications;
- Multi-modal learning and alignment;
- NLP methods for low-resource languages;
- Ethics, bias, and fairness in NLP;
- Continual and online learning in NLP;
- Applications of NLP in education;
- NLP in intelligent healthcare systems.

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### Guest Editors

Dr. Shuai Zhao

Dr. Mengchao Zhang

Dr. Deyu Lin

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### Deadline for manuscript submissions

15 September 2025



## Electronics

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## About the Journal

### 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 guestedited by leading experts in selected topics of interest.

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### Editor-in-Chief

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