

## Special Issue

# Interpretability and Analysis of Models for Natural Language Processing

### Message from the Guest Editors

In recent years, the rapid development of pre-trained model technology has profoundly transformed the fields of information retrieval (IR) and natural language processing (NLP). This Special Issue seeks to compile cutting-edge research contributions focused on the interpretability and analysis of models within the NLP domain, addressing the following topics, as well as others:

- Theoretical frameworks for model interpretability;
- Techniques for explaining the behavior and decisions of NLP models;
- Analytical methods for probing and understanding pre-trained models;
- Cross-disciplinary approaches combining IR and NLP for improved interpretability;
- Advances in conversational AI with a focus on transparency;
- Improved retrieval and ranking techniques through interpretable models;
- Innovations in knowledge acquisition and representation learning;
- Evaluation metrics and benchmarks for model interpretability.

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### Guest Editors

Dr. Qing Li

Prof. Dr. Jiang Zhong

Dr. Jie Ma

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### Deadline for manuscript submissions

closed (16 March 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 guest-edited by leading experts in selected topics of interest.

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### Editor-in-Chief

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