

## Special Issue

# New Insights into Multimodal Learning and Federated Learning

### Message from the Guest Editors

In the rapidly evolving landscape of artificial intelligence, multimodal learning and federated learning are transforming data processing and model development. This Special Issue aims to explore the state-of-the-art advancements, emerging trends, and future directions in multimodal learning and federated learning. We welcome a wide range of article types, including original research papers, review articles, and case studies, that offer novel perspectives and contributions to this field. Research areas may include (but are not limited to) the following:

- Advanced algorithms for multimodal data fusion in federated learning environments;
- Techniques for enhancing privacy preservation in multimodal federated learning;
- Applications of multimodal learning in real-world scenarios such as healthcare diagnosis and autonomous driving;
- Challenges and solutions in model aggregation for multimodal federated learning;
- The integration of transfer learning with multimodal federated learning frameworks.

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### Guest Editors

Dr. Yutao Yue

Dr. Runwei Guan

Dr. Daizong Liu

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### Deadline for manuscript submissions

15 February 2026



## 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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