

## Special Issue

# Advanced Clustering and Data Mining: Deep Learning and Big Data Perspectives

### Message from the Guest Editors

Big data and deep learning have revolutionized data mining and knowledge discovery. However, as data generated in the real world becomes increasingly complex, traditional static clustering paradigms are facing challenges. The transition towards more adaptive, intelligent, and scalable clustering methodologies is accelerating. This Special Issue aims to showcase research that advances both the theoretical foundations and practical applications of this technologies.

We welcome contributions spanning the full spectrum of clustering research. We are interested in research addressing real-world dynamic complexities. The scope also includes research on integrating clustering with deep learning architectures. Research areas may include the following:

- Lifelong, continual, and incremental clustering;
- Open-world clustering and novel class discovery;
- Self-supervised learning and contrastive clustering;
- Multi-view/modal and heterogeneous data clustering;
- Fuzzy clustering and granular computing in deep learning frameworks;
- Clustering empowered by LLMs and foundation models;
- Innovative applications of clustering in computer vision, bioinformatics, industrial systems, etc.

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### Guest Editors

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### Deadline for manuscript submissions

31 December 2026



## Electronics

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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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