

Special Issue

Advanced Algorithms in Multimodal Affective Computing

Message from the Guest Editor

This Special Issue will focus on the theoretical and practical aspects of developing advanced algorithms for Multimodal Affective Computing, including, but not limited to, the following:

- Novel algorithms for emotion recognition and sentiment analysis that leverage multimodal data;
- Integration of large language models, machine learning, and deep learning techniques to improve the performance of MAC systems;
- Exploration of attention mechanisms, transfer learning, and meta-learning in the context of MAC;
- Development of robust and interpretable models that can generalize across different datasets and real-world scenarios; Sentiment Analysis Across Modalities
- Applications of advanced algorithms in diverse domains such as healthcare, education, human-computer interaction, and customer service;
- Addressing challenges related to data scarcity, noise, and variability in multimodal datasets;
- Innovations in feature extraction and fusion strategies for multimodal data;
- Evaluation methodologies and benchmark datasets for assessing the performance of MAC algorithms;
- Ethical considerations and privacy issues in the development and deployment of MAC systems.

Guest Editor

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About the Journal

Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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