# Special Issue

# Recent Advances in Artificial Intelligence and Machine Learning, 2nd Edition

## Message from the Guest Editors

With the rapid development of artificial intelligence and machine learning, various intelligent models have been developed to solve practical problems in every imaginable domain.  This Special Issue focuses on state-of-the-art research relating to the development and application of AI and ML technologies to enhance people's lives. Topics of interest include, but are not limited to, the following:

- The applications of artificial intelligence and machine learning models in various domains;
- Novel artificial intelligence and machine learning methods and algorithms;
- Interpretable artificial intelligence and machine learning for the understanding of big data;
- Artificial intelligence and machine learning for computer vision, such as image classification, object detection, segmentation, understanding, and generation;
- Deep learning artificial intelligence and machine learning for intelligent speech;
- Artificial intelligence and machine learning for natural language processing;
- Deepfake and anti-spoofing techniques.

## Guest Editors

Dr. Liang Zou

Dr. Liang Zhao

Prof. Dr. Yonghui Xu

## Deadline for manuscript submissions

closed (28 February 2025)

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# Mathematics

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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.

### Editor-in-Chief

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