

Special Issue

Artificial Intelligence in Biomedical Imaging and Signal Processing

Message from the Guest Editors

The impacts of artificial intelligence such as machine learning and deep learning algorithms have enhanced overall performance analysis by using varieties of data such as biomedical data, sound and signal data, wearable sensor data, medical records, etc. The adoption of these algorithms has improved the performance rate and computational complexity through the use of HPC, thus enhancing real-time disease diagnosis. Topics of interest include the following:

- Artificial intelligence in medical images;
- Real-time detection and image processing;
- Image segmentation in medical scans;
- AI-assisted detection tools;
- Advanced augmentation for medical images;
- AI Ethics: AI deployment in medical imaging;
- Explainable AI in medical diagnosis;
- Multimodal fusion AI for medical diagnosis.

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