Special Issue

Pattern Recognition Applications in Medical Image Analysis

Message from the Guest Editor

Medical image analysis has seen significant advancements through the integration of pattern recognition techniques, leading to improvements in diagnostic accuracy, treatment planning, and patient outcomes. This Special Issue aims to explore the latest research, methodologies, and applications of pattern recognition in the medical imaging domain. By leveraging machine learning, deep learning, and advanced algorithms, researchers who are developing innovative solutions to interpret complex medical images more effectively are invited to submit their works. Contributions are invited on topics including but not limited to the detection of anomalies, segmentation, classification, and the integration of multi-modal imaging data. This Special Issue seeks to provide a comprehensive overview of current trends and future directions in the field of medical imaging and sensor technology. Keywords:

- Anomaly detection
- Computational intelligence
- Deep learning, Machine learning
- Diagnostic imaging, Medical image analysis
- Image segmentation, Pattern recognition
- Medical sensors
- Multi-modal imaging

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Message from the Editor-in-Chief

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