Biomedical Signal and Image Processing with Artificial Intelligence

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Message from the Guest Editor

This Special Issue of "Biomedical signal and Image Processing with Artificial Intelligence" focuses on applications of advanced techniques of AI for Biomedical Signal and Image processing.

Advancements in AI/ML/DL applications for biomedical signal and image processing has accelerated biomedical research, leading to acceptance of software as a medical device (SaMD) in the clinical setting. There are many AI products which have been approved by FDA and the investment into AI in Healthcare is booming. Precision medicine needs multimodal (imaging and non-imaging) information fusion and data analytics where AI plays a key role. Additionally, biomedical data analytics play a crucial role in clinical diagnosis, treatment planning, management of the condition, differential diagnosis and prognosis. We invite articles to this Special Issue that cover all aspects of AI/ML/DL for:

- Biomedical signal and image acquisition;
- Feature extraction and characterization;
- Clinical decision support systems;
- Radiomics;
- New AI architectures;
- Quantum processing

Special Issue

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Message from the Editor-in-Chief

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