Deep Learning for Image Analysis and Image Processing

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Message from the Guest Editor

Dear Colleagues,

This Special Issue seeks the latest fundamental advances in addressing the challenges of medical Artificial Intelligence. Specifically, this issue will explore the challenges faced by practical applications and propose feasible solutions through advanced deep learning and big data technologies. Both application and methodological research studies are welcome. The current leading topics include but are not limited to:

- AI-based clinical decision making;
- Biomedical information processing;
- Computational intelligence in bio- and clinical medicine;
- Computer-aided diagnosis model;
- Data analytics and mining for biomedical decision support;
- Data science theory, methodologies, and techniques;
- Healthcare application and big data analysis;
- Intelligent and process-aware information systems in healthcare and medicine;
- Intelligent detection systems;
- Intelligent devices and instruments;
- Machine learning theory, methodology, and algorithms;
- Medical knowledge engineering;
- Natural language processing in medicine;
- New computational platforms and models for biomedicine;
- Sensor fusion of biomedical data and signals;

Special Issue

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Message from the Editor-in-Chief

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