Special Issue

Advances in Deep Learning for Intelligent Sensing Systems

Message from the Guest Editors

Recent advances in deep learning techniques have led to significant progress in sensing systems. Today, intelligent sensing can benefit sensing processes in many research and application fields. In many real-world sensing scenarios, the high-level features within sensing data imply underlying or unknown interactions leading to useful information or knowledge, which may outperform traditional analytical tools when learning and interpreting studied problems. The Special Issue focuses on advanced deep learning methods. Contributions are encouraged to design and develop novel deep learning frameworks, particularly concentrating on their effectiveness, intelligence, and reliability in solving challenging sensing issues or achieving superior sensing performance. This Special Issue is dedicated to both theoretical innovations and real-world applications with field implementation and experiments. The topics of this issue include but are not limited to the following:

- Deep learning
- Deep neural network
- Sensor and sensing system
- Intelligent sensing
- Big data analysis
- Decision making

Guest Editors

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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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