

Special Issue

Deep Learning for Intelligent Systems: Challenges and Opportunities

Message from the Guest Editors

Deep learning has emerged as a powerful tool for developing intelligent systems across various domains, including computer vision, natural language processing, robotics, Internet of Things (IoT), smart cities, and healthcare, among others. The objective of this Special Issue is to foster a deeper understanding of the challenges faced by researchers and practitioners when utilizing deep learning techniques to build intelligent systems. This Special Issue focus on the recent advances, technologies, solutions, applications, and challenges in the field of deep learning for intelligent systems. Topics of interest include, but are not limited to, the following:

- Deep learning for sensors, autonomous robotics and intelligent agents, smart cities and IoT applications;
- Deep learning for recommender systems, healthcare and medical diagnosis systems, intelligent transportation systems;
- Deep learning models and architectures for intelligent systems;
- Deep learning on graphs, web and social media;
- Deep learning for decision making, multimodal data fusion, natural language understanding and generation in intelligent systems;

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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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