

Special Issue

Emerging Trends and Challenges in Edge Computing

Message from the Guest Editor

With the rapid development of communication technologies and smart devices, there is a rapid increase in the number of connected users and kinds of services which produce a high volume of data traffic. Given the distributed nature of the smart devices and the Internet-of-Things (IoT) applications as well as privacy and security concerns, edge computing has emerged as an alternative technology of traditional computing for large data processing. Besides, machine learning, especially Deep Neural Network (DNN) models, appear as popular and effective tools for processing such large amount of data and extracting useful information. This special issue address challenges and trends related to edge computing and bringing DNN to the edge.

- Resource management in edge computing
- Edge computing for IoT
- Federated and Split learning for edge computing
- Distributed machine learning and edge computing
- Privacy and security issues for edge computing
- Machine learning model compression for IoT and edge devices
- Wireless issues in edge computing

Guest Editor

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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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