Special Issue

Real-Time AI over IoT Data

Message from the Guest Editors

This Special Issue aims to bring together researchers and application developers working at the intersection of the IoT and AI to develop the next generation of AI techniques, algorithms and solutions to support real-time analytics and actuation over IoT data. Potential topics include, but are not limited to:

- Tools, services, technologies, algorithms and methods for real-time AI over IoT data
- Novel computing architectures for supporting AI-driven analytics
- Techniques and frameworks for AI-driven IoT actuation
- Open issues, challenges, and future perspective at the intersection of AI and IoT
- Machine learning and simulation models for different IoT application domains
- Case studies of applications of AI over IoT data
- AI-enabled context- and situation-awareness in IoT
- Cognitive Internet of Things
- AI-driven privacy preservation in IoT
- AI-driven IoT advanced sensing
- Human, IoT and AI
- AI-driven trust and secure IoT systems/solutions

Application topics of interest that demonstrate real-time AI over IoT include but are not limited to

- Industry 4.0 use cases
- Digital agriculture use cases
- Smart cities use cases
- Digital supply chain
- Defence

Guest Editors

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Deadline for manuscript submissions

closed (31 October 2019)

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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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