Special Issue

Internet of Intelligent Things

Message from the Guest Editors

The emergence of IoT in business models is on the rise, presenting both new opportunities and challenges. AI enables businesses to leverage data produced by IoT devices (e.g. sensors) to overcome obstacles. Different AI-based solutions, such as knowledge representation/reasoning, data mining and machine learning, may reveal new insights and capabilities beyond human intelligence. The convergence of AI and IoT can shape our hyperconnected world for the better by enhancing operational efficiency, reducing the cost of risk, improving products and services and mitigating challenges posed by big data produced by IoT devices. Sensors are a major enabling technology of IoT. Data produced by WSNs require analysis so that appropriate actions can be carried out. This is where AI-based solutions can play an important role. This Special Issue reviews the applications of artificial intelligence, data mining, machine learning, knowledge representation and reasoning in IoT technologies. It also focuses on emerging and innovative AI-based solutions for solving IoT-related challenges, including scalability, knowledge discovery and handling big data.

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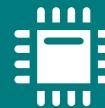
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Sensors is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. 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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