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Edge Computing and Deep Learning for Smart IoT Systems

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Deadline for manuscript submissions:
closed (10 June 2023)

Message from the Guest Editors

Smart Internet of Things (IoT) systems are playing a significant role in our society for enabling smart home, smart logistics, smart manufacturing, smart health, smart agriculture, among others. Nowadays, the integration of edge computing with artificial intelligence, particularly deep learning, has become the backbone for smart IoT systems. On one hand, edge computing, as compared with centralised cloud computing, has unique features, such as the physical proximity to the end devices and users, which bring many benefits, such as low latency, energy efficiency, privacy protection, reduced bandwidth consumption, on-premises, and context awareness. On the other hand, deep learning has consistently shown high capabilities in reasoning and analysis, and, thus, widely used in various domains, such as computer vision and image classification. In this Special Issue, we encourage submission of papers that describe original, high-quality, empirically and/or theoretically validated work in the application, implementation and evaluation of edge computing and deep learning for the development, deployment and maintenance of smart IoT systems.

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Message from the Editor-in-Chief

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