



Edge Computing and Deep Learning for Smart IoT Systems

Guest Editors:

Dr. Huai Liu

Department of Computing
Technologies, Swinburne
University of Technology,
Melbourne, Australia

Dr. Bo Yang

School of Information Science
and Technology, Beijing Forestry
University, Beijing, China

Dr. Rubing Huang

School of Computer Science and
Engineering, Faculty of
Innovation Engineering, Macau
University of Science and
Technology, Taipa, Macau, China

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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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Prof. Dr. Vittorio M. N. Passaro

Department of Electrical and
Information Engineering,
Politecnico di Bari, Via Orabona
4, 70126 Bari, Italy

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Sensors Editorial Office
MDPI, Grosspeteranlage 5
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