

Special Issue

Smart Internet of Things for Industry and Manufacturing Processes

Message from the Guest Editors

The aim of this Special Issue is to develop theories and key technologies of knowledge-driven networks for smart IoT based on research results in artificial intelligence, computers, communication, control and other related fields. Potential topics include, but are not limited to, the following:

- Knowledge-driven network architecture of smart IoT edge networks;
- Evolution mechanism and optimization control mechanism of knowledge-driven edge networks;
- On-demand dynamic networking theory and key technologies of smart edge networks;
- Collaboration of resources and AI;
- Security and trust mechanisms for smart edge networks;
- Dynamic resource adaptation mechanisms based on SDN and NFV integration;
- Fast routing decision algorithms based on machine learning;
- Dynamic access network selection/adaptive spectrum resource assignment;
- Security detection and trusted identification methods for IoT terminals;
- Blockchain-based secure and trusted access control strategy for IoT;
- Distributed edge collaboration mechanism for IoT based on federated learning.

Guest Editors

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Deadline for manuscript submissions

closed (30 April 2024)



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