

Special Issue

Internet of Things (IoT) for Next-Generation Smart Systems

Message from the Guest Editor

This Special Issue looks at the latest advancements in CPSS, with a focus on IoT mechanisms that support the deployment of intelligent device-interacting applications. It examines the placement of smart applications, whether on the cloud, the edge, or the devices themselves, and how this positioning influences the nature and type of communication mechanisms as well as sensing, control, and actuation capabilities. Topics include, but are not limited to the following:

- Distributed intelligence: cloud vs. fog vs. mist computing;
- IoT low-power wide-area network (LPWAN) physical layers to support distributed intelligence: LoRa, NB-IoT, LTE-M, and 5G RedCap;
- IoT wireless personal area network (WPAN) physical layers to support distributed intelligence: IEEE 802.15.4, BLE, and ITU G.9903;
- IoT routing and IP adaptation to support distributed intelligence;
- IoT protocol stack virtualization;
- IoT software-defined networks;
- Cyber-physical smart system architectures: representational state Transfer (REST) vs. event-driven architectures (EDA)

Guest Editor

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About the Journal

Message from the Editor-in-Chief

Electronics is a multidisciplinary journal designed to appeal to a diverse audience of research scientists, practitioners, and developers in academia and industry. The journal is devoted to fast publication of latest technological breakthroughs, cutting-edge developments, and timely reviews of current and emerging technologies related to the broad field of electronics. Experimental and theoretical results are published as regular peer-reviewed articles or as articles within Special Issues guest-edited by leading experts in selected topics of interest.

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