Green Internet-of-Thing Design and Modeling in AI and 5G Ecosystems

Guest Editor:

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Message from the Guest Editor

This Special Issue will demonstrate how novel interactive electronics technologies and intelligent communication solutions can be designed and exploited for achieving energy-efficient, low-cost but sustainable IoT to tie in with AI algorithms compounded in edge or cloud computing resources. The topics of interest include, but are not limited to:

- Battery-free hardware and power-optimizing firmware design and modeling;
- Energy-harvesting technologies for sustainable IoT applications;
- AI-aided system infrastructure maintenance optimization;
- AI-aided power management system design;
- Energy-efficient communication design and modeling for multiscale data acquisition;
- Adaptive and feasible design and modeling with off-the-shelf device utilization;
- Infrastructure-less architecture design and modeling for intelligent services;
- Edge-based AI utilization;
- Edge–cloud interaction for optimized off-loading;
- Mobile-assisted environmental sensing and crowdsourcing;
- Mobile-assisted user activity sensing.

Welcome to contribute.

Special Issue

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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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