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

Guest Editor:

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Deadline for manuscript submissions:

closed (31 December 2021)

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.



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Special Issue



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Message from the Editor-in-Chief

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