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Green Internet of Things and Machine to Machine Protocol Architectures

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Deadline for manuscript submissions:
closed (15 May 2024)

Message from the Guest Editors

Dear Colleagues,

Sustainable IoT techniques and models are garnering more and more attention among the scientific community. The effects of global warming are becoming tangible and calls for urgent solutions also from the ICT sector. The IoT must be part of this shift towards a more sustainable approach in application development. Some scientific efforts have already been done, but we're still scratching the surface of what will be the green IoT of the future. There's a need for models, methodologies, and techniques to improve the sustainability of IoT applications in every phase. Additionally, the manufacturing and disposal of IoT devices should be taken into account, as every device has an embodied carbon that requires to extend device life as much as possible.

The aim of this Special Issue is to publish and spread the most groundbreaking research works in this area, including, but not limiting to, the following: IoT energy patterns, energy efficiency, green AI on IoT, carbon intensity driven use cases, carbon-aware workload management, carbon-aware M2M protocols, green software development, experiments, and assessment.

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Message from the Editor-in-Chief

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