

Special Issue

Wireless Energy Harvesting for the Internet of Things (IoT)

Message from the Guest Editors

The Internet of Things envisions billions of connected devices for the seamless interconnection of cyber and physical worlds. These devices, however, rely on limited-capacity batteries, which have been a major bottleneck in practical IoT deployments. To tackle this problem, research has been focused on promising alternatives, such as energy harvesting (EH), wireless power transfer (WPT), and energy-efficient/low-power communication and computation techniques. In theory, EH offers unlimited energy by converting ambient resources into utilizable electricity, while WPT obviates the need for batteries by delivering the required energy remotely. The combination of both, underpinned by enabling technologies, is crucial to achieving battery-less operations, thereby helping IoT to reach its full potential.

This Special Issue invites technical publications covering any topic around EH, WPT, and related techniques towards tackling the battery-related bottlenecks in the IoT domain. High-quality surveys and position papers with preliminary results are also welcomed.

For more information, please access the website:
https://www.mdpi.com/journal/sensors/special_issues/WEHIoT

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