Special Issue

Energy Harvesting System for Wireless Sensor Network Nodes

Message from the Guest Editor

The continuous development of IoT (Internet of things) infrastructure and applications is paving the way for advanced and innovative ideas and solutions, some of which are pushing the limits of state-of-the-art technology. The increasing demand for WSNs (wireless sensor nodes) able to collect and transmit data through wireless communication channels, while often positioned in locations that are difficult to access, is driving research into innovative solutions involving EH (energy harvesting) and WPT (wireless power transfer) to allow battery-free sensor nodes. Due to the pervasiveness of solar, waste, and RF energy, EH and WPT are key technologies with the potential to power IoT devices and smart sensing architectures involving nodes that need to be wireless, maintenance free, battery free and sufficiently low in cost to promote their use almost anywhere.

Guest Editor

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I encourage you to contribute research and comprehensive review articles for publication in Journal of Sensors and Actuator Networks (JSAN), an international, open access journal which provides an advanced forum for research findings in areas of sensors and actuators. The journal publishes original research articles, reviews, conference proceedings (peer reviewed full articles) and communications. I am confident you will find the journal contributes to enhancing understanding of sensors and actuators and fostering applications of sensor-based measurements and effective actuator incorporation.

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