Special Issue

Energy Harvesting Communication and Computing Systems

Message from the Guest Editor

Remote and unattended sensors require that computation and communication be performed without human intervention to replace batteries, and without a connection to the mains power source. Thus, there is a strong motivation to overcome the energy limitations of conventional systems by relying on energy harvesting. This can occur by continuously extracting energy from a renewable energy source present in the surrounding environment, and by storing it for future use. Multiple sources of energy can be exploited, such as solar power, wind, mechanical vibrations, temperature variations, etc. Research around energy harvesting (EH) sensors comprises various models and techniques, software as well as hardware ranging from, but not limited to, techniques of energy harvesting, power management, harvesting-aware scheduling, harvestingaware communication protocols, prediction models, etc. We invite manuscripts for this forthcoming Special Issue in all aspects pertinent to energy autonomous computing/communication systems. Both survey and original research articles are welcome. We look forward to and welcome your participation in this Special Issue.

Guest Editor

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Message from the Editor-in-Chief

Sensors is a leading journal devoted to fast publication of the latest achievements of technological

developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. Sensors organizes Special Issues devoted to specific sensing areas and applications each year.

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