Special Issue

Integration of Sensing and Energy Supply

Message from the Guest Editors

In recent years, with more and more different types of sensors integrated in microsystems, the energy supply is facing an increasingly severe burden. In order to solve the contradiction between multi-function sensing and long-term autonomous energy supply, the development of sensing and energy supply has moved from independence to synergy. At the device level, some novel devices that simultaneously realize sensing and energy supply have been developed. At the system level, some new collaboration mechanisms and system configurations have been developed to improve the synergistic efficiency for sensing and energy supply. With these efforts for the integration of sensing and energy supply, smart sensing microsystems with more powerful functions and long-term energy self-sufficiency will become possible.

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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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