



Integration of Sensing and Energy Supply

Guest Editors:

Prof. Dr. Xiaofeng Wang

State Key Laboratory of Precision Measurement Technology and Instruments, Tsinghua University, Beijing 100084, China

Dr. Keren Dai

School of Mechanical Engineering, Nanjing University of Science and Technology, Nanjing, China

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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.





sensors



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Prof. Dr. Vittorio M. N. Passaro

Department of Electrical and
Information Engineering,
Politecnico di Bari, Via Orabona
4, 70126 Bari, Italy

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