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Smart Materials and Devices for Energy Harvesting

Guest Editor:

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submissions:
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Message from the Guest Editor

Dear Colleagues,

Energy harvesting is one of the key enabling technologies for the IoT world. It allows to feed wireless sensors and low-power electronics in general, exploiting environmentally available energy.

Several methods allow energy harvesting from the environment: Magnetostrictives and piezoelectrics; Coupling mechanical and/or thermal variables to electro- or magnetic variables; materials and devices exploiting the Seebeck effect for direct conversion of temperature gradients into electricity; new materials for more efficient solar energy conversion; electro-active polymers (EAP) for energy harvesting, to name but a few of the many energy harvesting techniques. Indeed, the field will continue to advance as long as new multifunctional materials are discovered.

It is my pleasure to invite you to submit a manuscript for this Special Issue. Full papers, communications, and reviews on the properties, modeling, and characterizations of materials and devices are all welcome.

Assoc. Prof. Dr. Daniele Davino
Guest Editor



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Special Issue



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Message from the Editor-in-Chief

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