



Novel Smart Materials and Structures for Energy Harvesting and Self-Powered Sensing

Guest Editor:

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Message from the Guest Editor

Smart materials and structures are highly potent for the development of energy harvesting devices for low-powered electronics and self-powered sensors. This special issue is aimed to address the original experimental and theoretical researches on all aspects of smart materials and structures for the design and development of novel energy harvesting devices and self-powered sensors. The topics covered in this special issue include but not limited to the following:

- Novel energy harvesters and self-powered sensors based on different technologies such as electromagnetic, piezoelectric, triboelectric, and so on;
- Hybridization of different energy harvesting technologies for effective performance of harvesters and sensors;
- Advanced and smart materials for performance enhancement of energy harvesters and self-powered sensors;
- Advanced structural designs for performance enhancement of energy harvesters and self-powered sensors;
- Advanced circuit designs for optimal performance of the energy harvesting and energy storage units in a self-powered system.





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Message from the Editor-in-Chief

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