



Piezoelectric Nanogenerators

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Message from the Guest Editor

Dear Colleagues,

The next big thing that going to happened in the world is the Internet of Things (IoT), and sensors are going to be the backbone of it. Therefore, powering sensors using conventional batteries has become a challenge, as the number of sensors is going to be huge. Piezoelectric nanogenerators offer us the opportunity to make sensors self-powered, such that they can run by themselves by harvesting energy from their surrounding vibrations. Wearable piezoelectric nanogenerators can harvest energy from human motions and also can detect physiological signals for health care monitoring applications. Piezoelectricity also opens up the potential for new cooling (piezoelectric fan) and sound generation (piezoelectric speaker) systems.

Dr. Md. Meheub Alam

Guest Editor





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