



Properties and Applications of Piezo-Resistive Sensors

Guest Editors:

Message from the Guest Editors

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Deadline for manuscript
submissions:

closed (15 April 2021)

- Piezoresistive inks for printing of sensors; there are several technologies for the printing of piezoresistive sensors, such as screen printing, sintering, ink jet printing, etc. This depends on the types of substrate used, the curing treatment of the inks, the performance of the sensor, ease of manufacturing, etc.;
- smart composite materials; incorporating piezoresistive elements into traditionally nonsensing materials may lead to sensing properties of the composite; this may include wood, glass fiber composites, plastics, etc.;
- Fabric and textile sensors for wearable technology; yarn can be made to have sensing properties when additional materials are integrated in them; some applications may include activity and motion tracking, fatigue detection, etc.;
- 3D printing of sensors; embedded sensing elements within 3D-printed structures that allow detection of mechanical strain, stress, flexion, and deformation.
- Allotropes of carbon for producing sensors (incl. graphene);





sensors



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Message from the Editor-in-Chief

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