



Nanomechanical Sensors

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Deadline for manuscript
submissions:

closed (30 September 2013)

Message from the Guest Editor

Dear Colleagues,

Nanomechanical devices have attracted a significant amount of interest in the research community. Scaling mechanical components down to the nanoscale has several advantages—for example, low mass, high resonance frequency, superior sensitivity, and low power consumption, which opens the doors for several applications, such as chemical, biological, gas sensing, high frequency resonators, and nanomachines.

The aim of this Special Issue is to cover state-of-the-art progress in all aspects of nanomechanical devices. Research articles, short letters, and review papers will be considered. Contributions from both academia and industry are encouraged. Topics of interest include but are not limited to the following:

- Nanomaterials, e.g., graphene, carbon nanotubes, nanocomposites;
- Modeling and simulation of nanoscale phenomena;
- Nanomechanical sensors and actuators;
- NEMS-based resonators and timing solutions;
- Nanofabrication methods;
- Nanorobots;
- Nanophotonics.

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Message from the Editor-in-Chief

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