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Nanomaterials in MEMS and NEMS

Guest Editor:

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Deadline for manuscript submissions:
closed (30 June 2012)

Message from the Guest Editor

Dear Colleagues,

In this Special Issue we wish to focus on the use of nanomaterials in MEMS and NEMS. We encourage reviews where nanomaterials have already made a significant contribution in this area: for example, increased functionality, novel processing or new areas of application, *etc*. We are particularly interested in papers which an application bias, especially comparison is made with other materials systems in MEMS and NEMS. Articles on design, fabrication, characterization and testing of MEMS/NEMS will be welcome. Articles exploring future leading edge opportunities are also welcome, where new materials may yet make an impact. The overall aim of this Special Issue is to provide a timely "snap-shot" of this exciting area, of value to technologists, scientists and innovators alike.

Prof. Dr. Mike R. J. Gibbs
Guest Editor

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Message from the Editor-in-Chief

Nanoscience and nanotechnology are exciting fields of research and development, with wide applications to electronic, optical, and magnetic devices, biology, medicine, energy, and defense. At the heart of these fields are the synthesis, characterization, modeling, and applications of new materials with lower nanometer-scale dimensions, which we call “nanomaterials”. These materials can exhibit unusual mesoscopic properties and include nanoparticles, coatings and thin films, metal–organic frameworks, membranes, nano-alloys, quantum dots, self-assemblies, 2D materials such as graphene, and nanotubes. Our journal, *Nanomaterials*, has the goal of publishing the highest quality papers on all aspects of nanomaterial science to an interdisciplinary scientific audience. All of our articles are published with rigorous refereeing and open access.

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