

## Special Issue

# Advanced Sensors and Sensing Materials-Selected Papers from Advanced Materials World Congress, 23-26 August Stockholm, Sweden

### Message from the Guest Editor

An emphasis on detection techniques requires the use of advanced materials and new methods. The purpose and appeal of these detection techniques is derived from organic spin crossover, inorganic, and composite materials, which could be unique for sensor fabrication. The influence of a material's length, composition, and conformation structure on a material's properties, and the possibilities of adjusting sensing properties by doping or adding the side-groups, indicate the starting point of multifarious sensing. The role of inter-molecular interactions, polymer and ordered phase formation, as well as behavior under pressure, and under magnetic and electric fields, are also important factors to be considered in the processing of ultra-sensing materials. Topics for this Special Issue include: Advanced Sensors and Sensing Materials based on/for nanomaterials and nanotechnology; biomaterials and biodevices; optical, electronic, magnetic, structural, computational, composite, ceramic, construction, and engineering materials; environmental and green materials.

### Guest Editor

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### Deadline for manuscript submissions

closed (31 October 2015)



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### Message from the Editor-in-Chief

*Sensors* is a leading journal devoted to fast publication of the latest achievements of technological developments and scientific research in the huge area of physical, chemical and biochemical sensors, including remote sensing and sensor networks. Both experimental and theoretical papers are published, including all aspects of sensor design, technology, proof of concept and application. *Sensors* organizes Special Issues devoted to specific sensing areas and applications each year.

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