



Advanced Smart Materials for Sensor Technology

Guest Editors:

Prof. Dr. Dimitris Kouzoudes

Chemical Engineering
Department, University of Patras,
26505 Patra, Greece

Prof. Dr. Keat Ghee Ong

Department of Bioengineering,
Knight Campus for Accelerating
Scientific Impact, University of
Oregon, Eugene, OR 97403, USA

Dr. Ioannis Raptis

Optical Sensors Lab, Institute of
Nanoscience and
Nanotechnology, NCSR
“Demokritos”, 15310 Aghia
Paraskevi, Greece

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Message from the Guest Editors

Sensors are an integrable part of modern technologies and thus very important for sustainability as they are the eyes of the control systems which keep all the processes running. All safety warnings are generated by sensing signals, which then are used to shut down uncontrollable devices or to readjust input parameters, so as to maintain our every day technological processes within acceptable safety limits. The modern trends in sensor technology are miniaturization due to size/weight restrictions, multi-parameter sensing, improved sensitivity, integration/embedding. These trends can only be realized with the use of new, advanced, smart materials utilizing both new and conventional research fields such as nanotechnology, large scale integration, flexible design, composite material synthesis, signal processing etc. The scope of the current issue is to bring all these edge research fields in one issue so as to serve as a reference for tomorrow's sensor technology. As new materials with fascinating properties are continuously developed, the current issue will enrich the up-to-date literature on sensing materials with the new advances.





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Prof. Dr. Steve W. Lyon

School of Environment and
Natural Resources, Ohio State
University, Columbus, OH 43210,
USA

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