

Special Issue

Toward the Application of Smart Self-Sensing Nanocomposites to Structural Health Monitoring

Message from the Guest Editors

The multifunctional properties of epoxy-based nanocomposites reinforced with carbon nanoparticles are attracting the attention of scientists and designers of structural and prognostic health monitoring systems. The idea of creating a composite structure capable of self-sensing potential deterioration mechanisms within the material by a measure of its piezoresistivity could potentially revolutionize the concept of sensor network design. This Special Issue is intended to bring together the various efforts made in developing methods to increase the readiness of this technology for future industrial application, including manufacturing strategies, modeling frameworks, and the development of ternary-state nanocomposites, with a special focus on increasing the sensor performance predictability. For more details, please visit [here](#).

Guest Editors

Dr. Claudio Sbarufatti

Politecnico di Milano, Department of Mechanical Engineering, via La Masa 1, 20156, Milan, Italy

Prof. Dr. Alberto Jiménez Suárez

Materials Science and Engineering Area, Escuela Superior de Ciencias Experimentales y Tecnología, Universidad Rey Juan Carlos, Calle Tulipán s/n, Móstoles, 28933 Madrid, Spain

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Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
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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.

Editor-in-Chief

Prof. Dr. Vittorio M. N. Passaro

Dipartimento di Ingegneria Elettrica e dell'Informazione (Department of Electrical and Information Engineering), Politecnico di Bari, Via Edoardo Orabona n. 4, 70125 Bari, Italy

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