Special Issue

Intelligent Sensing for Conductive Materials and Performance

Message from the Guest Editor

Intelligent sensing for conductive materials and performance is a specialised application of intelligent sensing technology that focuses on materials with electrical conductivity properties. This field combines advanced sensing techniques, data analysis, and artificial intelligence to monitor, assess, and optimize the behavior and performance of conductive materials and the systems they are integrated into. In civil, mechanical and aerospace engineering, conductive materials may be employed in structural components. Intelligent sensing can help monitor the conductivity of these materials to detect damage, corrosion, or stress-induced changes, ensuring the structural integrity of critical systems. This Special Issue will present the results of research on intelligent sensing for conductive materials and performance in civil, mechanical and aerospace engineering. For more information, please visit: mdpi.com/si/185151

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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.

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