

Special Issue

Sensing the Physics of Materials in Extremes

Message from the Guest Editors

For this Special Issue of *Sensors* on “Sensing the Physics of Materials in Extremes”, we invite world-class experts to stimulate a vibrant discussion on state-of-the-art experimental techniques, numerical, and theoretical tools aiming to sense and understand the physical properties of both conventional as well as strongly correlated electron materials, and their phase transitions and emergent properties, under extreme conditions, such as high continuous and pulsed magnetic fields, high pressures, high electrical currents, high voltages, radiation, and/or an extended temperature range. These probes include optical, electronic, piezoelectric, mechanical, such as torque and torsional sensing, dilatometry, resonant, magnetic, pulse–echo, pump–probe, scattering, and broadly defined susceptometry, among others, which are becoming invaluable tools in basic research of novel materials.

Guest Editors

Dr. Marcelo Jaime

MPA-MAGLAB, Los Alamos National Laboratory, Los Alamos, USA

Dr. Franziska Weickert

Department of Mechanical Engineering, University of New Mexico
Albuquerque, NM 87131, USA

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Sensors
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
sensors@mdpi.com

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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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