

Special Issue

Selected Papers from the 8th International Conference on Superconductivity and Magnetism (ICSM2023)

Message from the Guest Editors

The Special Issue will address the fundamental issues, as well as explore possible novel applications which are important for advances in high technology-related industries, as well as also emerging new disruptive technologies. The ICSM will also contribute to innovation-based growth in the field of superconductivity, aiming to overcome the existing bottlenecks for widespread industrial applications in view of nanotechnologies. The key novel approach related to ICSM is the exploitation of recent spectacular progress in the design and fabrication of nanostructured materials fabricated for lower dimensions, in order to develop and implement such flux and condensate confinement patterns. This will not only substantially improve the material's critical parameters but also lead to novel functionalities of these nano-patterned materials. Due to the advanced dedicated modern technologies needed to produce nanostructured superconductors and magnetic materials, international and interdisciplinary collaboration is essential for successful implementation.

Guest Editors

Prof. Dr. Ali Gencer

Prof. Dr. Annette Bussmann-Holder

Dr. J. Javier Campo Ruiz

Prof. Dr. Valerii Vinokur

Prof. Dr. Germán F. de la Fuente

Deadline for manuscript submissions

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

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About the Journal

Message from the Editor-in-Chief

Welcome to *Condensed Matter* (ISSN 2410-3896)! It gives me great pleasure to invite you to publish in the journal. We are looking to build a collection of high quality research articles, supported by a community from across the field of condensed matter physics. In this task, I will be assisted by a highly qualified editorial board. We accept papers on basic research as well as applications, and experimental or theoretical work. Currently the journal is indexed by ESCI (Web of Science) and hope you can consider *Condensed Matter* as an exceptional home for your manuscript.

Editor-in-Chief

Prof. Dr. Antonio Bianconi

Rome International Center for Materials Science Superstripes
(RICMASS), Via dei Sabelli 119A, 00185 Roma, Italy

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