Special Issue

High Precision X-Ray Measurements

Message from the Guest Editor

Since their discovery in 1895, the detection of X-rays had a strong impact in physics and in medicine, and a huge number of applications revolutionized our scientific and technological disciplines. Efforts have been done to develop new type of detectors and new techniques, aiming to obtain higher precisions both in terms of energy and position. Depending on the applications, solid state detectors, microcalorimeters and different spectrometers provide, nowadays, the best performances to spectroscopy and imaging methods. The now reachable few microns and meV resolution open the door towards ground breaking applications in fundamental physics, medicine, life science, astrophysics, cultural heritage and several other fields. The aim of this Special Issue is to collect original contributions from different communities and research fields, of the most recent developments in X-ray detection. Main topics will include nuclear physics, e.g., exotic atoms measurements, quantum physics, XRF, XES, EXAFS, X-ray optics, plasma emission spectroscopy, monochromators, synchrotron radiation, telescopes and space engineering. Sincerely yours

Guest Editor

Dr. Alessandro Scordo

INFN Laboratori Nazionali di Frascati, Frascati, Roma, Italy

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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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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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