Special Issue

The Modifications of Metallic and Inorganic Materials by Using Energetic Ion/Electron Beams

Message from the Guest Editor

The Special issue of *Quantum Beam Science* will focus on all kinds of experimental and theoretical investigation and computer simulation related to the modification of various physical properties (mechanical, electronic, magnetic, optical and so on) of metallic and inorganic materials. The developments of new accelerator and ion/electron beam systems for the materials modification are included in the scope of this Special Issue. Material modifications using exotic ion/electron beams (swift heavy ions, cluster beam, micro beam, radio isotope(RI) beam, and so on) are also welcome. This Special Issue will collect original and review papers using energetic ion/electron beams in basic and applied research for new and novel metallic and inorganic materials modifications.

Guest Editor

Dr. Akihiro Iwase
The Wakasa Wan Energy Research Center, Tsuruga 914-0192, Fukui, Japan

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Quantum Beam Science
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
qubs@mdpi.com

mdpi.com/journal/qubs

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About the Journal

Message from the Editor-in-Chief

Quantum Beam Science focuses on application of quantum beams for the study and characterization of materials in their widest sense, and developments of quantum beam sources, instrumentation and facilities. Quantum beams include synchrotron radiation, neutron beams, electrons, lasers, muons, positrons, ions. The journal covers disciplines including, solid state physics, chemistry, crystallography, materials science, biology, geology, earth- and planetary materials, and engineering. Articles presenting multiple quantum beams for complementary studies are welcome.

Editor-in-Chief

Prof. Dr. Klaus-Dieter Liss
School of Mechanical, Materials, Mechatronic and Biomedical Engineering, University of Wollongong, Wollongong 2522, Australia

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