

Special Issue

Electrical, Thermal and Magnetic Properties of Alloys

Message from the Guest Editor

This Special Issue will focus on recent findings on the properties of 4f (Rare Earth) and 3d (transition metals) based alloys in both crystalline and nanocrystalline forms. Reports on strongly correlated electron systems (Ce, Yb and U-based alloys) are also included. The manuscripts may be of theoretical and/or experimental nature, highlighting details of the theoretical models or experimental techniques used for the characterization and explanation of the observed behaviour. Potential technological applications resulting from the electrical, thermal and magnetic properties of the materials are also welcome. We invite you to contribute full papers, reviews or communications to this Special Issue. In order to be considered for publication the manuscripts must demonstrate novelty and advance over previously reported data.

Guest Editor

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Materials (ISSN 1996-1944) was launched in 2008. The journal covers twenty-five comprehensive topics: biomaterials, energy materials, advanced composites, advanced materials characterization, porous materials, manufacturing processes and systems, advanced nanomaterials and nanotechnology, smart materials, thin films and interfaces, catalytic materials, carbon materials, materials chemistry, materials physics, optics and photonics, corrosion, construction and building materials, materials simulation and design, electronic materials, advanced and functional ceramics and glasses, metals and alloys, soft matter, polymeric materials, quantum materials, mechanics of materials, green materials, general. *Materials* provides a unique opportunity to contribute high quality articles and to take advantage of its large readership.

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