Special Issue

Friction and Wear of Materials Surfaces

Message from the Guest Editor

The surface topography is one of the most important factors determining the quality of a surface layer. It defines a set of all overlapping irregularities of surface resulting from the machining processes and wear of materials. A number of scientists studied the effect of surface topography and materials properties on the tribological performance of sliding elements. However accessible papers contain ambiguous and sometimes contradictory opinions about connections between values of surface topography parameters, materials properties and various tribological properties of sliding pairs. In addition a continuous development of measuring equipment makes possible more precision measurement and as a consequence makes possible extended analysis of phenomena taking part on surfaces in frictional contact. Therefore the aim of this special issue is to collect high-quality research papers that focus on friction and wear of materials surfaces.

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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