

Special Issue on High Performance Structural Materials

Call for Papers

High performance structural materials as one of the most competitive high-tech new materials are important material basis for supporting the developments of aerospace, transportation, electronic information, energy and power, and national major infrastructure projects. The research and development on structural materials with properties of high specific strength, high specific rigidity, high temperature resistance, abrasion resistance and corrosion resistance is the main development direction of new generation of high performance structural materials.

This Special Issue of *Materials Sciences and Applications* focuses on the theoretical and experimental studies related to the high performance structural materials as influenced by their structural design, preparation methods, microstructure, physical or chemical properties, mechanical properties, and application conditions and operating environment.

Typical areas of interest include:

- Metallic engineering structural materials (such as steel, rare metal new materials, high temperature alloy and high performance alloy)
- Advanced ceramic materials (such as functional ceramics and high temperature structural ceramics)
- New polymer structural materials (such as special engineering plastics, organosilicon materials, organic fluorine materials, high performance fibers, high performance synthetic rubbers and high performance resins)
- Advanced composite materials (such as polymer (resin) matrix composites, metal matrix composites, ceramic matrix composites and carbon/carbon composites)

Authors should read over the journal's [Author's Guidelines](#) carefully before submission, Prospective authors should submit an electronic copy of their complete manuscript through the journal [Paper Submission System](#).

Please kindly notice that the "Special Issue" under your manuscript title is supposed to be specified and the research field "Special Issue — High Performance Structural Materials" should be chosen during your submission.

According to the following timetable:

Manuscript Due	May 10th, 2013
Publication Date	July, 2013

Special Issue Editor

Guest Editor:

For further questions or inquiries
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