Special Issue

Advances in Manufacturing Technology of Metal/Composite Hybrid Structures

Message from the Guest Editor

Advanced engineering composites have increasingly been manufactured and joined with different metals, such as advanced high-strength steel, aluminum, magnesium, and titanium, to be hybrid structures which can increase the weight-to-strength structural performance of transportation components and decrease the fuel consumption and gas emission of transportation systems. Therefore, advanced manufacturing technologies are required to produce such metal/composite hybrid structures. This Special Issue aims to provide a platform for discussion of open issues and challenges related to various manufacturing strategies employable in metal/composite hybrid structures. Potential topics include but are not limited to:

- Design and analysis of metal/composite hybrid structures;
- Advanced manufacturing technologies of metal/composite hybrid structures using autoclave, RTM, injection molding, PCM, etc.;
- Novel manufacturing technologies for metal/composite hybrid structures;
- Additive manufacturing for metal/composite hybrid structures;
- Advanced joining technologies for metal/composite hybrid structures.

Guest Editor

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Message from the Editor-in-Chief

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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