Special Issue

Advances in Hybrid Structure Manufacturing Technology

Message from the Guest Editor

Advanced manufacturing technologies are required to produce hybrid structures with advanced high-strength steel, aluminum, magnesium, titanium, composites, etc. Additionally, they are needed to effectively join hybrid structures together, which can contribute to increasing the weight-to-strength structural performance of transportation components and decreasing the fuel consumption and gas emission of transportation systems. Therefore, this Special Issue aims to provide a platform for the discussion of open issues and challenges related to various manufacturing strategies employable in hybrid structures. Potential topics include, but are not limited to:

- Design and analysis for the manufacturing of hybrid structures;
- Advanced and novel manufacturing technologies for hybrid structures;
- Additive manufacturing technologies for hybrid structures;
- Advanced joining technologies for hybrid structures

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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