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Advances in Manufacturing Technology of Metal/Composite Hybrid Structures

Guest Editor:

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Deadline for manuscript submissions:
closed (10 March 2023)

Message from the Guest Editor

Dear Colleagues,

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.

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Message from the Editor-in-Chief

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