

Special Issue

Multi-Functional Intelligent Composite Structures: Design, Manufacturing and Applications

Message from the Guest Editors

This Special Issue aims to provide a forum for scientists and engineers to share and discuss their original findings or recent advances in multi-functional intelligent composite structures and their potential applications. It is envisioned that with the increasing demand of cyber-physical systems (CPS) for autonomy and autonomous systems, multi-functional intelligent composite structures will play a big role. CPS are a synergistic technology existing between physical and computational systems. Bio-inspired distributed sensors, actuators, and embedded devices are networked to sense, monitor, and control the physical system, whereas the cyber system provides an autonomous solution through artificial intelligence (AI). Multi-functional composites have anisotropic properties that can be tailored for a particular application. Therefore, papers on the design, manufacturing, and application of advanced multi-functional intelligent composite structures and the damage detection methods are particularly welcome.

Guest Editors

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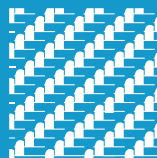
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Editor-in-Chief

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