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Carbon Fiber Composites – Composite Driven Multifunctionality and Applications

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Message from the Guest Editors

This Special Issue will focus on the composite-driven multifunctionality of carbon fiber composites (CFCs). We would like to join the competent researchers in the field of studying carbon fiber-based composites, starting from classical structural carbon fiber-reinforced polymers together with multifunctionality-driven hybrid approaches, and combination with other materials, e.g., metals, ceramics, and semiconductors, on different length scales to achieve multifunctionality on a material level.

Keywords

- Polymer composites
- Multifunctionality
- Smart structures
- Smart materials
- Structural health monitoring
- Self healing
- Sensors and actuators
- Electrical, mechanical, thermal properties
- Structural characterization
- Multiphysical characterization

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