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## Smart Composite and Sandwich Structures: From Modeling and Design to Control and Applications

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### Message from the Guest Editors

Dear Colleagues,

Smart materials can be effectively utilized to design lightweight load-bearing smart composite and sandwich structures for a wide range of applications ranging from noise and vibration control to mechanical power transmission and structural health monitoring. This Special Issue invites original contributions to address the recent progress and developments in this emerging technology. The Special Issue particularly welcomes full papers and state-of-the-reviews on the development and characterization of novel smart composite materials; the utilization of smart materials (such as piezoelectric materials, shape memory alloys, electrorheological (ER) and magnetorheological (MR) materials, magnetostrictive, etc.) to develop novel smart composite and sandwich structures; modeling and design optimization of smart composite and sandwich structures; experimental characterization and development of control strategies; and application of smart composite and sandwich structures in noise and vibration control, mechanical power transmission, and structural health monitoring.

Prof. Ramin Sedaghati

Dr. Xian-Xu 'Frank' Bai

*Guest Editors*



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# Special Issue



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## Message from the Editor-in-Chief

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