



Experimental Techniques and Artificial Intelligence for the Structural Health Monitoring of Composite Materials

Guest Editors:

Dr. Roberto Marani

Institute of Intelligent Industrial Technologies and Systems for Advanced Manufacturing (STIIMA), National Research Council of Italy, via Amendola 122D/O, 70126 Bari, Italy

Dr. Davide Palumbo

Department of Mechanics, Mathematics and Management, Polytechnic of Bari, 70126 Bari, Italy

Dr. Giuseppe Pitarresi

Department of Industrial and Digital Innovation (DIID), University of Palermo, Piazza Marina, 61, Palermo, PA 90133, Italy

Deadline for manuscript submissions:

closed (20 September 2022)

Message from the Guest Editors

Structural health monitoring of composite materials is a demanding task of great importance for the quality assessment and operational safety of manufactured goods.

- The study of new experimental principles, technologies, testing procedures, and setup integrations for the measurement-based evaluation of bulk materials or complex structures, either to monitor/evaluate their production processes or to follow and check their structural integrity under working conditions;
- The development of new algorithms driven by artificial intelligence or processing complex data to assess structural health.

This Special Issue invites original submissions addressing the structural health monitoring of composite materials through experimental techniques aimed at the autonomous detection and characterization of possible anomalies. Papers integrating different disciplines to produce consistent results of experimental evidence are particularly encouraged. Studies carried out in cooperation with enterprises or displaying the results of national and international projects of improving the sustainability of composite productions are welcome.





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Editor-in-Chief

Prof. Dr. Maryam Tabrizian

1. Department of Biomedical Engineering, Faculty of Medicine and Health Sciences, McGill University, Montreal, QC H3A 2B6, Canada

2. Faculty of Dentistry and Oral Health Sciences, McGill University, 3640 Rue University, Montreal, QC H3A 0C7, Canada

Message from the Editor-in-Chief

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Materials Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland

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