Special Issue

Advances in Data-Driven Engineering for Aerospace Non-destructive Evaluation and Structural Health Monitoring

Message from the Guest Editors

This Special Issue focuses on the transformative impact of data-driven engineering and machine learning in aerospace, particularly in non-destructive evaluation and structural health monitoring of complex aerospace compoents. This interdisciplinary approach aims to improve aerospace industry practices by leveraging big data, advanced computation, and ML algorithms to solve complex, multi-objective optimization problems in aircraft manufacturing and matainence. This Special Issue examines how ML algorithms, coupled with advanced sensor technologies, are revolutionizing non-destructive evaluation and structural health monitoring, leading to unprecedented levels of safety and efficiency. It underscores the transformative potential of ML in reshaping aerospace engineering, making it a critical area of study and innovation within the broader context of sensor technologies and their applications. For more information, please visit: mdpi.com/si/192785

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Deadline for manuscript submissions

closed (20 July 2024)

Sensors

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Message from the Editor-in-Chief

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