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Structural Health Monitoring for Aerospace Applications 2017

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closed (31 May 2017)

Message from the Guest Editors

Dear Colleagues,

Structural Health Monitoring (SHM) is an emerging topic of great interest. SHM hold the promise of improving aerospace safety and reliability while reducing life-cycle operational and maintenance costs. SHM topics span sensing, structural interrogation, data interpretation, structural diagnosis and prognosis. Theoretical predictive studies, and experimental validation and verification are very important. Efficient design of reliable SHM systems is necessary for obtaining high-confidence estimations with minimal false-positive and false-negative results. Transitioning of SHM concepts to real world applications and the development of turn-key SHM systems will help to develop the business case for SHM through realistic cost-benefit analysis and first-hand user experience.

Prof. Dr. Victor Giurgiutiu
Prof. Dr. Shenfang Yuan
Guest Editors

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Message from the Editor-in-Chief

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