Editorial

Advances in Structural Health Management and Composite Structures 2012

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The first session of the International Conference on Advances in Structural Health Management and Composite Structures 2012 (ASHMCS 2012) took place in Jeonju, Republic of Korea, on August 29–31, 2012. This conference is organized by Engineering Institute of Korea, an educational and research collaboration between Los Alamos National Laboratory, USA, and Chonbuk National University, Korea. The conference addressed the new development in all aspects of structural health monitoring and composite structures including diagnosis and prognosis, advanced sensors and actuators, modeling and simulation, signal and image processing, pattern recognition and machine learning, and hardware/software integration. Delegates from 14 countries and various academic and industrial communities attended the conference and presented 80 papers. From the conference papers, 10 papers are selected for this special issue after a careful review process. The papers cover a wide spectrum of subjects that include modeling and experimental verification related to damage detection and quantification, pyroshock, and dynamic sensor development. The selected papers reflect the broad range of topics at ASHMCS 2012 and the success of the conference.

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