DESCRIPTION

Providing quality research for the reader, this title encompasses all the recent developments in smart sensor technology for health monitoring in aerospace structures, providing a valuable introduction to damage detection techniques. Focussing on engineering applications, all chapters are written by smart structures and materials experts from aerospace manufacturers and research/academic institutions.

This key reference:

• Discusses the most important aspects related to smart technologies for damage detection; this includes not only monitoring techniques but also aspects related to specifications, design parameters, assessment and qualification routes.

• Presents real case studies and applications; this includes in-flight tests; the work presented goes far beyond academic research applications.

• Displays a balance between theoretical developments and engineering applications

ABOUT THE AUTHOR

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Wieslaw Staszewski is a Professor at AGH University of Science and Technology in Poland. He has authored circa 280 publications, predominantly in the areas of damage detection and advanced signal processing. He has written and edited a book, authored circa 90 journal papers and is also an editor and associate editor of five journals. He was jointly awarded the "2004 Person of the Year" title by *Structural Health Monitoring* journal for outstanding contribution in the field of SHM.

C. Boller is the editor of *Health Monitoring of Aerospace Structures: Smart Sensor Technologies and Signal Processing*, published by Wiley.


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