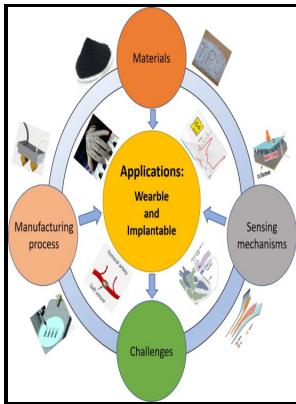


Health monitoring of aerospace structures - smart sensor technologies and signal processing

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Structural health monitoring

When the user suddenly falls, the sensor detects the change of the position of the SOI.

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Structural Health Monitoring (SHM) in Aerospace Structures

Data aggregators can be devices that provide only simple offline storage and analysis features.

Health Monitoring System

To date, the PurePower engine family has completed 11,000 hours of testing, including 1,500 hours of flight testing and more than 23,000 cycles of testing. In this chapter, the discussion will focus on selected data issues for the deployment of wireless sensors and sensor networks, and persistent backend data storage, management, and access. Polymer matrix composite patches and reinforcement are appropriate to the embedded approach because sensors and possibly other elements of the SHM system can be incorporated during manufacture of the patch.

Structural health monitoring

Customers are looking for best value within budget constraints. This book serves as a key reference for researchers working within this industry, academic, and government research agencies developing new systems for the SHM of aerospace structures and materials scientists.

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