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Practical SHM Platform Using Smart Sensors

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We have been developing smart sensor units with data acquisition and data management capability, many data analysis methods utilizing system identification, and an easy-to-use user interface for structural health monitoring (SHM). This SHM platform evaluates the soundness of structures dotted over wide areas using SHM technology and networks, and publishes the analysis result to the specific users. Moreover, as we designed flexible data formats and data models for acquired data, this system can be applied to any buildings structures to use all the data for comparison and treating them stochastically. In addition, we developed smart sensor units that does not need troublesome setting and enabled to change setting through web. We will continue improving this system targeted at real applications.

Ключевые слова:

Содержание.

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