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Mems-Based Sensing For Health Monitoring of Buildings

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Structural health monitoring is a field that relies on different technologies to realize systems that can characterize the dynamic properties of physical structures and identify possible deteriorations of their behavior. These systems include usually a data acquisition subsystem capable of recording the structural response to ambient or external loads and algorithms suitable for the analysis of the recorded response and for determining the dynamic properties of the monitored structures. This paper describes the results obtained in the preliminary analysis of the dynamic behavior of a structure constituted by a truncated middle-age tower presently included in an ancient palace of the XVI century located in the central part of Bologna.

Ключевые слова:

Содержание.

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