بخشی از ترجمه مقاله

عنوان فارسی مقاله:
شناسایی آسیب ساختاری براساس لرزش

عنوان انگلیسی مقاله:
Vibration-based structural damage identification

توجه!
این فایل تنها قسمتی از ترجمه می‌باشد. برای تهیه مقاله ترجمه شده کامل
با فرمت ورد (قابل ویرایش) همراه با نسخه انگلیسی مقاله، اینجا کلیک کنید.
6. Concluding comments

Recent work in structural health monitoring and vibration-based damage detection has been briefly reviewed to show that this subject is the focus of many active research efforts and to identify some of the technical challenges in this field. A major shortcoming associated with many of these efforts is that statistical models are not applied to identify when changes in the selected features are significant. Therefore, a statistical-pattern-recognition paradigm has been proposed for the general problem of structural health monitoring. This paradigm breaks the process of structural health monitoring into the four tasks of operational evaluation, data acquisition and cleansing, feature selection and statistical model development. A structural damage-detection study of concrete columns subjected to quasi-static cyclic loading to failure is then posed in terms of this paradigm.