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Dynamics of Civil Structures, Volume 2

Proceedings of the 34th IMAC, A Conference and Exposition on Structural Dynamics 2016

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Description:
Dynamics of Civil Structures, Volume 2. Proceedings of the 34th IMAC, A Conference and Exposition on Dynamics of Multiphysical Systems: From Active Materials to Vibroacoustics, 2016, the second volume of ten from the Conference brings together contributions to this important area of research and engineering. Th e collection presents early fi ndings and case studies on fundamental and applied aspects of Structural Dynamics, including papers on:

- Modal Parameter Identifi cation
- Dynamic Testing of Civil Structures
- Human Induced Vibrations of Civil Structures
- Model Updating
- Operational Modal Analysis
- Damage Detection
- Bridge Dynamics
- Experimental Techniques for Civil Structures
- Hybrid testing
- Vibration Control of Civil Structures

Keywords: Modal Parameter Identification Dynamic Testing of Civil Structures Human Induced Vibrations of Civil Structures Correlation & Updating Operational Modal Analysis Damage Detection of Structures Bridge Structures Damage Detection Models Experimental Techniques for Civil Structures