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Dynamics of Civil Structures, 2026,Vol. 2

Proceedings of the 44th IMAC, A Conference and Exposition on Structural Dynamics 2026

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Description:

Dynamics of Civil Structures, Volume 2: Proceedings of the 44th IMAC, A Conference and Exposition on Structural Dynamics, 2026, the second volume of ten from the Conference brings together contributions to this important area of research and engineering. The collection presents early findings and case studies on fundamental and applied aspects of the Dynamics of Civil Structures, including papers on:

- Structural Vibration
- Dynamics of Bridges, Buildings, and Infrastructure Systems
- Innovative Sensors and Measurement Techniques for Structural Applications
- Structural Control and Vibration Mitigation
- Human Induced Vibrations and Human-Structure Interaction
- Modal Identification of Structural Systems
- Human Health Monitoring Using Structural Sensing
- Field Monitoring of Vibrations

Keywords: UAV, Visual Sensing, Images, Damage Assessment Dynamic, TRC, Free vibration, Damping, Denim SHM, modal tracking, bridge, temperature, GMM vibration, control Floor vibrations, Vibration serviceability FaÃ§ade load, Service load, Floor vibrations timber, distribution poles, modal analysis TMD, TSD, vibration control, dynamics, wind Bayesian, updating, modal, Shaking Table, Engineering Education passive structural control, vibration mitigation, Footbridges; Vibration serviceability