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Nota di contenuto	Chap 1. Output-Only Structural Identification of a Portal Frame with Frequency Domain Decomposition (FDD) Method -- Chap 2. Experimental Modal Analysis Study of a Standing Soldier and Rifle System -- Chap 3. Performance Characterization of Modal Identification Algorithms, the case of Automated Modal Analysis of Palazzo Lombardia -- Chap 4. Dynamic Characterization of the Little Belt Suspension Bridge by Operational Modal Analysis -- Chap 5. The Prediction of Vibrations for Light Structures in Presence of Moving People -- Chap 6. On Stationarity and the Interpretation of the ADF Statistic -- Chap 7. Simulation of People's Movements on Floors using

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Decays -- Chap 9. Footbridge Vibrations Predicted by Stochastic Load
Model -- Chap 10. Non-structural Masses and Their Influence on Floor
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12. Usage of MEMSCapacitive Acceleration Sensors for Structural
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-- Chap 16. Scenario Based Approach for Load Identification -- Chap
17. The Realisation of An Inerter-Based System using Fluid Inerter --
Chap 18. Experiences from the Five-year Monitoring of a Long-span
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-- Chap 19. Development of a 3-DOF Structural Displacement Sensor
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-- Chap 22. Protection of Critical Assets from the Effects of Ground
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-- Chap 26. Measurement of Human Loads Using Computer Vision --
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Element Model Updating -- Chap 47. Identifying Modal Characteristics

of Reinforced Concrete Bridges Using Smartphones -- Chap 48. Model Updating and Damage Assessment of a RC Structure using a Finite Element Model -- Chap 49. Modal Properties of a Model of a Chinese Pagoda -- Chap 50. Advanced Fourier-based Model of Bouncing Loads -- Chap 51. Defining Groupings and Classification of Human Gait using Correlation of Ground Reaction Force Measurements.

Sommario/riassunto

Dynamics of Civil Structures, Volume 2: Proceedings of the 36th IMAC, A Conference and Exposition on Structural Dynamics, 2018, the second volume of nine 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: Modal Parameter Identification Dynamic Testing of Civil Structures Control of Human Induced Vibrations of Civil Structures Model Updating Damage Identification in Civil Infrastructure Bridge Dynamics Experimental Techniques for Civil Structures Hybrid Simulation of Civil Structures Vibration Control of Civil Structures System Identification of Civil Structures.
