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Nota di contenuto	Chapter 1. A Structural Dynamics Approach to Modeling Human Performance -- Chapter 2. Feature Based Monitoring Application for Automatic Crack Detection using WaveImage -- Chapter 3. High Spatial Resolution Modal Parameter Estimation via Low-Cost Fiber Optic Strain Sensors -- Chapter 4. Machine Learning Vibration-based Damage Detection and Early-developed Damage Indicators -- Chapter 5. Semi-Analytical Analysis for Dynamic Behaviors of Wind Turbine Blades Using Transfer Function Methods -- Chapter 6. Evaluating the Mechanical Redesign of a Biped Walking Robot Using Experimental Modal Analysis -- Chapter 7. Novel Wirelessly Synchronised Modal Testing of Operational Buildings using Distributed OCXO High-Precision Data Loggers -- Chapter 8. Empirical Fourier Decomposition for Time-

domain Signal Decomposition -- Chapter 9. Vibration Isolation in 3D Printer Using Meta-Structures -- Chapter 10. Experimental Modal Analysis using Non-Traditional Response Variables -- Chapter 11. Dynamic Behavior of Post-Buckled Fixed-Fixed Composite Skin Panels.

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Sommario/riassunto

Topics in Modal Analysis & Testing, Volume 8: Proceedings of the 39th IMAC, A Conference and Exposition on Structural Dynamics, 2021, the eighth 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 Modal Analysis, including papers on: Operational Modal & Modal Analysis Applications Experimental Techniques Modal Analysis, Measurements & Parameter Estimation Modal Vectors & Modeling Basics of Modal Analysis Additive Manufacturing & Modal Testing of Printed Parts.

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