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Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	1. From preliminary design to prototyping and validation of energy harvester for shoes -- 2. Issues in Experimental Testing of Piezoelectric Energy Harvesters -- 3. Innovative Piezoelectric Cantilever Beam Shape for Improved Energy Harvesting -- 4. Energy Harvesting From Piezoelectric Stacks Using Impacting Beam -- 5. Nonlinear 2-DOFs Vibration Energy Harvester Based on Magnetic Levitation -- 6. Parameter Identification of Riveted Joints Using Vibration Methods -- 7.

DYNAMIC GROUND TESTING: GROUND VIBRATION TESTS THROUGH CONTROL SURFACE EXCITATION -- 8. ADAPTIVE SUPPORT OF AN AIRCRAFT PANEL -- 9. Calculating the Impact Force of Supersonic Hail Stones Using SWAT-TEEM -- 10. Testing and Validation of the Dynamic Inertia Measurement Method -- 11. Estimation of Amplitude-Dependent Resonance and Damping in MEMS Shock Accelerometers -- 12. Development of a Mapping Function for a Low- to High- Amplitude Input -- 13. Experimental Study of Glass Fiber Reinforced Polyester Under Repeated Impacts -- 14. FE Modeling of Paperboard Material Using Sandwich Structure Method -- 15. Evaluation of Seismic Performance of an Excavation Support System -- 16. Calculating Stress & Strain from Experimental ODS Data -- 17. Case Study: Modeling Generator Chassis Responses with ODS Data -- 18. Shock Calibration with Zero Shift using a Digital Filter Technique -- 19. Mechanical Shock Environment Synthesis for Structural Failure Elicitation -- 20. Natural Frequencies of Layered Beams Using a Continuous Variation Model -- 21. Analysis of H-infinity and H2 Optimal Design Scheme for an Electromagnetic Damper with Shunt Resonant Circuit -- 22. Orbit Stability Determination of Satellites using Harmonic Force Excitation Analysis -- 23. Energy harvesting perspectives from parametric resonant systems.

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#### Sommario/riassunto

Shock & Vibration, Aircraft/Aerospace, Energy Harvesting, Volume 9. Proceedings of the 33rd IMAC, A Conference and Exposition on Balancing Simulation and Testing, 2015, the ninth 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 Shock & Vibration, Aircraft/Aerospace , Energy Harvesting, including papers on: Energy Harvesting Adaptive Support Shock Calibration Operating Data Applications.

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