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Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	1 Development And Characterization of an ITO Nanocomposite Film Sensor for Damage Detection 2 Fiber Optic Sensor Arrays for Real- Time Virtual Instrumentation and Control of Flexible Structures 3 On the Output-only Vibration-based Damage Detection of Frame Structures 4 On the Influence of Sample Length and Measurement Noise on the Stochastic Subspace Damage Detection Technique 5 Quantification of Structural Damage with Self-Organizing Maps 6 Accuracy Enhancement Of A Device For Automated Underbridge Inspections 7 A Brief Overview of Mechatronics 7 Enhanced Vibration Damping by Means of a Negative Capacitance 8 Vehicle Tracking for Bridge Load Dynamics Using Vision Techniques 10 Model Based System Testing: Bringing Testing and Simulation Close Together 11 Time-varying System Identification Using a Hybrid Blind Source Separation Method 12 An Energy Measure for Mode Localization 13 Vibration Control on a Space Flexible Structure with

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	a PZT Stack Actuator Using Strain and MPPF Control 14 Multi- reference Time-Frequency Active Control of Vehicle Interior Road Noise 15 Wireless Monitoring of the Dynamic Behaviour of Railway Catenary Systems 16 Functional Series TARMA Models for Non- stationary Tool Vibration Signals Representation and Wear Etimation.
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