

1. Record Nr.	UNINA9910299817903321
Titolo	Sensors and Instrumentation, Volume 5 [[electronic resource]] : Proceedings of the 33rd IMAC, A Conference and Exposition on Structural Dynamics, 2015 // edited by Evro Wee Sit
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2015
ISBN	3-319-15212-2
Edizione	[1st ed. 2015.]
Descrizione fisica	1 online resource (94 p.)
Collana	Conference Proceedings of the Society for Experimental Mechanics Series, , 2191-5644
Disciplina	620 620.2 629.1
Soggetti	Acoustical engineering Vibration Dynamical systems Dynamics Aerospace engineering Astronautics Engineering Acoustics Vibration, Dynamical Systems, Control Aerospace Technology and Astronautics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di contenuto	LLCD Experimental Line-of-Sight Jitter Testing -- Tracking the Dynamics of Nuclear Materials Inside a Glovebox -- Practical Calibration Techniques for the Modal Impact Hammer -- Frequency Tuning of a Wineglass Resonator Based on Acoustic Testing -- An Innovative Tribometer for Measurements Between Sport Fabrics and ice -- Passive Stress Sensing Using Raman Piezo-spectroscopy -- Smart Sensors: A Study of Power Consumption and Reliability -- A Model-Based Approach for the Dynamic Calibration of Torque Transducers -- Smart Tire Induced Benefits in Sideslip Angle and Friction Coefficient Estimation -- Rotational Accelerometers and Their Usage in

Investigating Shaker Head Rotations.

Sommario/riassunto

Model Validation and Uncertainty Quantification, Volume 3. Proceedings of the 33rd IMAC, A Conference and Exposition on Balancing Simulation and Testing, 2015, the third 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 Structural Dynamics, including papers on: Uncertainty Quantification & Model Validation Uncertainty Propagation in Structural Dynamics Bayesian & Markov Chain Monte Carlo Methods Practical Applications of MVUQ Advances in MVUQ & Model Updating.