1. Record Nr. UNINA9910438039003321

Titolo	Topics in Dynamics of Bridges, Volume 3 : Proceedings of the 31st IMAC, A Conference on Structural Dynamics, 2013 / / edited by Alvaro Cunha
Pubbl/distr/stampa	New York, NY : , : Springer New York : , : Imprint : Springer, , 2013
ISBN	87-438-0244-3 87-7004-875-4 1-4614-6519-2
Edizione	[1st ed. 2013.]
Descrizione fisica	1 online resource (VIII, 144 p. 127 illus., 102 illus. in color.)
Collana	Conference Proceedings of the Society for Experimental Mechanics Series, , 2191-5652 ; ; 38
Altri autori (Persone)	CunhaAlvaro
Disciplina	624.252
Soggetti	Civil engineering Multibody systems Vibration Mechanics, Applied Solids Civil Engineering Multibody Systems and Mechanical Vibrations Solid Mechanics
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Bibliographic Level Mode of Issuance: Monograph
Nota di bibliografia	Includes bibliographical references.
Nota di contenuto	From the Contents: Vibration Analysis and Structural Identification of a Seismically Isolated Bridge -- Cable-Stayed Footbridge: Investigation Into Superstructure and Cable Dynamics -- Modal Parameter Identification of Bridges Under the Effect of Environmental Factors -- Analysis and Mitigation of Vibration of Steel Footbridge With Excessive Amplitudes -- Change in Mass and Damping on Vertically Vibrating Footbridges due to Pedestrians -- Predicting Footbridge Response Using Stochastic Load Models -- Temperature and Traffic Load Effects on Modal Frequency for a Permanently Monitored Bridge -- Structural Monitoring and Analysis of Bridges for Emergency Response -- Long-Term Modal Analysis of the New Carquinez Long-span Suspension Bridge -- Field Vibration Monitoring of a Cable-stayed Bridge Using

	Imote2-platformed Wireless Sensors.
Sommario/riassunto	Topics in Dynamics of Bridges, Volume 3: Proceedings of the 31st IMAC, A Conference and Exposition on Structural Dynamics, 2013, the third volume of seven 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: Vibration Monitoring Damping Damage Detection Health Monitoring Dynamic Behavior Dynamic Modeling Human-Induced Vibration.