

1. Record Nr.	UNISALENT0991000389039707536
Autore	Pasini, Alberto
Titolo	Analisi dei costi : metodologia e applicazioni pratiche / Alberto Pasini
Pubbl/distr/stampa	Milano : Il Sole 24 ore, c1992
ISBN	8826900795
Descrizione fisica	xii, 136 p. ; 20 cm
Disciplina	658.1553
Soggetti	Aziende - Gestione finanziaria Costi
Lingua di pubblicazione	Italiano
Formato	Materiale a stampa
Livello bibliografico	Monografia
2. Record Nr.	UNINA9910254172203321
Autore	Landau Yoan D. <1938->
Titolo	Adaptive and Robust Active Vibration Control : Methodology and Tests / / by Ioan Doré Landau, Tudor-Bogdan Airimioaie, Abraham Castellanos-Silva, Aurelian Constantinescu
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
ISBN	3-319-41450-X
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XXIV, 396 p. 219 illus., 37 illus. in color.)
Collana	Advances in Industrial Control, , 1430-9491
Disciplina	620
Soggetti	Automatic control Vibration Dynamics Buildings—Design and construction Building Construction Engineering, Architectural Aerospace engineering Astronautics Mechatronics Control and Systems Theory Vibration, Dynamical Systems, Control

Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters and index.
Nota di contenuto	<p>Part I: Introduction to Adaptive and Robust Active Vibration Control -- Introduction to Adaptive Active Vibration Control -- The Test Benches -- Part II: Techniques for Active Vibration Control -- Active Vibration Control Systems: Model Representation -- Parameter Adaptation Algorithms -- n"; mso-ansi-language:EN-GB;mso-fareast-language: EN-US;mso-bidi-language:AR-SA">Identification of the Active Vibration Control Systems: The Bases -- Identification of the Test Benches in Open-Loop Operation -- Digital Control Strategies for Active Vibration Control: The Basis -- Identification in Closed-Loop Operation -- Reduction of Controller Complexity -- Part III: Active Damping -- Active Damping -- Part IV: Feedback Attenuation of Narrow-Band Disturbances -- Robust Controller Design for Feedback Attenuation of Narrow-Band Disturbances -- Robust Direct Adaptive Regulation of Unknown Narrow-Band Disturbances -- Robust Indirect Adaptive Regulation of Unknown Narrow-Band Disturbances -- Part V: Feedforward-Feedback Attenuation of Broad-Band Disturbances -- Adaptive Feedforward Compensation of Disturbances -- Adaptive Feedforward and Fixed Feedback Compensator of Broad-Band Disturbances -- Use of the Youla-Kuera Parametrization for Adaptive Feedforward Disturbance Compensation -- Part VI: Appendices: Generalized Stability Margin -- Integral and Proportional Parameter Adaptation Algorithm -- Adaptive Feedforward Compensation of Disturbances: Details.</p>
Sommario/riassunto	<p>This book approaches the design of active vibration control systems from the perspective of today's ideas of computer control. It formulates the various design problems encountered in the active management of vibration as control problems and searches for the most appropriate tools to solve them. The experimental validation of the solutions proposed on relevant tests benches is also addressed. To promote the widespread acceptance of these techniques, the presentation eliminates unnecessary theoretical developments (which can be found elsewhere) and focuses on algorithms and their use. The solutions proposed cannot be fully understood and creatively exploited without a clear understanding of the basic concepts and methods, so these are considered in depth. The focus is on enhancing motivations, algorithm presentation and experimental evaluation. MATLAB®routines, Simulink® diagrams and bench-test data are available for download and encourage easy assimilation of the experimental and exemplary material. Three major problems are addressed in the book: active damping to improve the performance of passive absorbers; adaptive feedback attenuation of single and multiple tonal vibrations; and feedforward and feedback attenuation of broad band vibrations. Adaptive and Robust Active Vibration Control will interest practising engineers and help them to acquire new concepts and techniques with good practical validation. It can be used as the basis for a course for</p>

graduate students in mechanical, mechatronics, industrial electronics, aerospace and naval engineering. Readers working in active noise control will also discover techniques with a high degree of cross-over potential for use in their field.
