1. Record Nr.	UNINA9910827985803321
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Titolo	Acoustic echo and noise control : a practical approach / / Eberhard Haensler, Gerhard Schmidt
Pubbl/distr/stampa	Hoboken, N.J., : Wiley-Interscience, c2004
ISBN	9786610272839 9781280272837 128027283X 9780470314838 0470314834 9780471678397 0471678392 9780471678403 0471678406
Edizione	[1st ed.]
Descrizione fisica	1 online resource (474 p.)
Collana	Adaptive and learning systems for signal processing, communications, and control
Altri autori (Persone)	SchmidtGerhard
Disciplina	621.382/24
Soggetti	Echo suppression (Telecommunication) Acoustical engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Description based upon print version of record.
Nota di bibliografia	Includes bibliographical references (p. 423-440) and index.
Nota di contenuto	List of Figures -- List of Tables -- Preface -- Acknowledgments -- Abbreviations and Acronyms -- Part I: Basics -- 1 Introduction -- 1.1 Some History -- 1.2 Overview of the Book -- 2 Acoustic Echo and Noise Control Systems -- 2.1 Notation -- 2.2 Applications -- 3 Fundamentals -- 3.1 Signals -- 3.2 Acoustic Echoes -- 3.3 Standards -- Part II: Algorithms -- 4 Error Criteria and Cost Functions -- 4.1 Error Criteria for Adaptive Filters -- 4.2 Error Criteria for Filter Design -- 4.3 Error Criteria for Speech Processing and Control Purposes -- 5 Wiener Filter -- 5.1 Time-Domain Solution -- 5.2 Frequency-Domain Solution -- 6 Linear Prediction -- 6.1 Normal Equations -- 6.2 Levinson{Durbin Recursion -- 7 Algorithms for Adaptive Filters -- 7.1 The Normalized Least Mean Square Algorithm -- 7.2 The Affine Projection Algorithm -- 7.3 The Recursive Least Squares Algorithm -- 7.4 The Kalman

Sommario/riassunto	Authors are well known and highly recognized by the "acoustic echo and noise community." Presents a detailed description of practical methods to control echo and noise Develops a statistical theory for optimal control parameters and presents practical estimation and approximation methods.