

1. Record Nr.	UNINA9910481842903321
Titolo	The European energy transition : actors, factors, sectors / / edited by Susanne Nies ; contributors, Jacques Delors [and forty two others]
Pubbl/distr/stampa	Deventer, Netherlands : , : Claeys & Casteels, , 2019
ISBN	90-77644-59-8
Descrizione fisica	1 online resource (545 pages) : illustrations
Collana	European Energy Studies ; ; Volume 14
Disciplina	333.79
Soggetti	Energy policy Electronic books.
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
2. Record Nr.	UNINA9910141509303321
Autore	Farrar C. R (Charles R.)
Titolo	Structural health monitoring [[electronic resource]] : a machine learning perspective / / Charles R. Farrar, Keith Worden
Pubbl/distr/stampa	Chichester, West Sussex, U.K. ; ; Hoboken, N.J., : Wiley, 2013
ISBN	1-118-44311-X 1-299-18678-5 1-118-44320-9 1-118-44321-7
Descrizione fisica	1 online resource (655 p.)
Altri autori (Persone)	WordenK
Disciplina	624.1/71 624.171
Soggetti	Structural health monitoring Electronic books.
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 and index.

Nota di contenuto

STRUCTURAL HEALTH MONITORING; Contents; Preface; Acknowledgements; 1 Introduction; 1.1 How Engineers and Scientists Study Damage; 1.2 Motivation for Developing SHM Technology; 1.3 Definition of Damage; 1.4 A Statistical Pattern Recognition Paradigm for SHM; 1.4.1 Operational Evaluation; 1.4.2 Data Acquisition; 1.4.3 Data Normalisation; 1.4.4 Data Cleansing; 1.4.5 Data Compression; 1.4.6 Data Fusion; 1.4.7 Feature Extraction; 1.4.8 Statistical Modelling for Feature Discrimination; 1.5 Local versus Global Damage Detection; 1.6 Fundamental Axioms of Structural Health Monitoring

1.7 The Approach Taken in This Book

References; 2 Historical Overview; 2.1 Rotating Machinery Applications; 2.1.1 Operational Evaluation for Rotating Machinery; 2.1.2 Data Acquisition for Rotating Machinery; 2.1.3 Feature Extraction for Rotating Machinery; 2.1.4 Statistical Modelling for Damage Detection in Rotating Machinery; 2.1.5 Concluding Comments about Condition Monitoring of Rotating Machinery; 2.2 Offshore Oil Platforms; 2.2.1 Operational Evaluation for Offshore Platforms; 2.2.2 Data Acquisition for Offshore Platforms; 2.2.3 Feature Extraction for Offshore Platforms

2.2.4 Statistical Modelling for Offshore Platforms

2.2.5 Lessons Learned from Offshore Oil Platform Structural Health Monitoring Studies; 2.3 Aerospace Structures; 2.3.1 Operational Evaluation for Aerospace Structures; 2.3.2 Data Acquisition for Aerospace Structures; 2.3.3 Feature Extraction and Statistical Modelling for Aerospace Structures; 2.3.4 Statistical Models Used for Aerospace SHM Applications; 2.3.5 Concluding Comments about Aerospace SHM Applications; 2.4 Civil Engineering Infrastructure; 2.4.1 Operational Evaluation for Bridge Structures

2.4.2 Data Acquisition for Bridge Structures

2.4.3 Features Based on Modal Properties; 2.4.4 Statistical Classification of Features for Civil Engineering Infrastructure; 2.4.5 Applications to Bridge Structures; 2.5 Summary; References; 3 Operational Evaluation; 3.1 Economic and Life-Safety Justifications for Structural Health Monitoring; 3.2 Defining the Damage to Be Detected; 3.3 The Operational and Environmental Conditions; 3.4 Data Acquisition Limitations; 3.5 Operational Evaluation Example: Bridge Monitoring; 3.6 Operational Evaluation Example: Wind Turbines

3.7 Concluding Comment on Operational Evaluation

References; 4 Sensing and Data Acquisition; 4.1 Introduction; 4.2 Sensing and Data Acquisition Strategies for SHM; 4.2.1 Strategy I; 4.2.2 Strategy II; 4.3 Conceptual Challenges for Sensing and Data Acquisition Systems; 4.4 What Types of Data Should Be Acquired?; 4.4.1 Dynamic Input and Response Quantities; 4.4.2 Other Damage-Sensitive Physical Quantities; 4.4.3 Environmental Quantities; 4.4.4 Operational Quantities; 4.5 Current SHM Sensing Systems; 4.5.1 Wired Systems; 4.5.2 Wireless Systems; 4.6 Sensor Network Paradigms

4.6.1 Sensor Arrays Directly Connected to Central Processing Hardware

Sommario/riassunto

Written by global leaders and pioneers in the field, this book is a must-have read for researchers, practicing engineers and university faculty working in SHM. Structural Health Monitoring: A Machine Learning Perspective is the first comprehensive book on the general problem of structural health monitoring. The authors, renowned experts in the field, consider structural health monitoring in a new manner by casting the problem in the context of a machine learning/statistical pattern recognition paradigm, first explaining the paradigm in general terms then explaining the process

3. Record Nr.	UNISA996393349703316
Titolo	A declaration of the taking away of Sir William Waller, Sir John Clotworth, Major Generall Massie, and Collonel Copley, members of the House of Commons, from the Kings head in the Strand, to St. Iameses [[electronic resource]] : together with their protestation read at their removall. With a copy of the Lord Generals order for the same
Pubbl/distr/stampa	[London, : s.n.], Printed in the yeare 1648
Descrizione fisica	1 sheet ([1] p.)
Altri autori (Persone)	FairfaxThomas Fairfax, Baron, <1612-1671.> MasseyEdward, Sir, <1619?-1674?> WallerWilliam, Sir, <1597?-1668.> MassereeneJohn Clotworthy, Viscount, <d. 1665.> CopleyLionel
Soggetti	Great Britain Militia Early works to 1800 Great Britain History Civil War, 1642-1649 Early works to 1800
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Place of publication from Wing. Text of the declaration begins: VVee whose names are hereunto subscribed, being members of the House of Commons, and free men of England. Declaration dated and signed at end: 12. of December 1648. At the Kings head in the Strand. Edw: Massie, William Waller, John Clotworthy, Lionell Copley. Text of the Lord General's order begins: You are upon sight hereof to remove Sir William Waller, Sir John Clotworthy, Major Generall Massie, and Mr. Lyonell Copley, Members of the House of Commons. Reproduction of the original in the British Library.
Sommario/riassunto	eebo-0018