Record Nr.	UNINA9910824702503321
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Titolo	Machinery prognostics and prognosis oriented maintenance management / / Jihong Yan
Pubbl/distr/stampa	Singapore : , : Wiley, , 2015
ISBN	1-118-63876-X
	1-118-63874-3
	1-118-63875-1
Descrizione fisica	1 online resource (356 p.)
Classificazione	TEC032000
Disciplina	621.8/16
Soggetti	Machinery - Maintenance and repair
	Machinery - Service life
	Machinery - Reliability
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	Machine generated contents note: Preface i Acknowledgements i Chapter 1 Introduction 7 1.1 Historical perspective 7 1.2 Diagnostic and prognostic system requirements 8 1.3 Need for prognostics and sustainability based maintenance management 9 1.4 Technical challenges in prognosis and sustainability based maintenance decision making 11 1.5 Data processing, prognostics and decision making 13 1.6 Sustainability based maintenance management 16 1.7 Future of prognostics based maintenance 19 References 20 Chapter 2 Data processing 21 2.1 Probability Distributions 21 2.2 Statistics on Unordered data 32 2.3 Statistics on Ordered Data 38 2.4 Technologies for incomplete data 39 References 428 Chapter 3 Signal processing 45 3.1 Introduction 45 3.2 Signal pre-processing 47 3.3 Techniques for signal processing 50 3.4 Real-time image feature extraction 72 3.5 Fusion or integration technologies 77 3.6 Statistical pattern recognition and data mining 80 3.7 Advanced technology for feature extraction 92 References 102 Chapter 4 Health monitoring and prognosis 110 4.1 Health monitoring as a concept 110 4.2 Degradation indices 111 4.3 Real-time monitoring 116 4.4 Failure prognosis 142 4.5 Physics-based prognosis models 155 4.6 Data-driven prognosis models 158 4.7

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Sommario/riassunto	"This book gives a complete presentation of the basic essentials of machinery prognostics and prognosis oriented maintenance management, and takes a look at the cutting-edge discipline of intelligent failure prognosis technologies for condition-based maintenance. Latest research results and application methods are introduced for signal processing, reliability moelling, deterioration evaluation, residual life prediction and maintenance-optimization as well as applications of these methods"