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Titolo	Advances in Condition Monitoring of Machinery in Non-Stationary Operations [[electronic resource]] : Proceedings of the Fourth International Conference on Condition Monitoring of Machinery in Non-Stationary Operations, CMMNO'2014, Lyon, France December 15-17 / / edited by Fakher Chaari, Radoslaw Zimroz, Walter Bartelmus, Mohamed Haddar
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Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (483 p.)
Collana	Applied Condition Monitoring, , 2363-698X ; ; 4
Disciplina	620
Soggetti	Machinery Signal processing Image processing Speech processing systems Quality control Reliability Industrial safety Vibration Dynamical systems Dynamics Machinery and Machine Elements Signal, Image and Speech Processing Quality Control, Reliability, Safety and Risk Vibration, Dynamical Systems, Control
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.
Nota di contenuto	Part 1. Signal Processing -- Part 2. Data Mining -- Part 3. Condition Monitoring Techniques.
Sommario/riassunto	The book provides readers with a snapshot of recent research and technological trends in the field of condition monitoring of machinery

working under a broad range of operating conditions. Each chapter, accepted after a rigorous peer-review process, reports on an original piece of work presented and discussed at the 4th International Conference on Condition Monitoring of Machinery in Non-stationary Operations, CMMNO 2014, held on December 15-16, 2014, in Lyon, France. The contributions have been grouped into three different sections according to the main subfield (signal processing, data mining, or condition monitoring techniques) they are related to. The book includes both theoretical developments as well as a number of industrial case studies, in different areas including, but not limited to: noise and vibration; vibro-acoustic diagnosis; signal processing techniques; diagnostic data analysis; instantaneous speed identification; monitoring and diagnostic systems; and dynamic and fault modeling. This book not only provides a valuable resource for both academics and professionals in the field of condition monitoring, it also aims at facilitating communication and collaboration between the two groups.