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Collana	Lecture Notes in Mechanical Engineering, , 2195-4356
Disciplina	620.00452
Soggetti	Quality control Reliability Industrial safety Computer software—Reusability Mathematical models Manufactures Quality Control, Reliability, Safety and Risk Performance and Reliability Mathematical Modeling and Industrial Mathematics Manufacturing, Machines, Tools, Processes
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di contenuto	Section 1: Big Data Analytics and Software Engineering -- Section 2: Data Analytics for Reliability: Applications -- Section 3: Condition Monitoring Techniques and Applications -- Section 4: Health Monitoring and Management using Multi-Sensors -- Section 5: Diagnosis and Prognosis of Mechanical Systems -- Section 6: Design for reliability -- Section 7: Optimization and Machine Learning Techniques for Industrial Applications -- Section 8: Performance/ Failure Analysis of Materials in Service -- Section 9: Reliability Issues in Electrical Distribution Systems.
Sommario/riassunto	This volume is a collection of articles on reliability and safety engineering presented during INCRS 2018. The articles cover a variety of topics such as big data analytics and their applications in reliability

assessment and condition monitoring, health monitoring, management, diagnostics and prognostics of mechanical systems, design for reliability and optimization, and machine learning for industrial applications. A special aspect of this volume is the coverage of performance, failure and reliability issues in electrical distribution systems. This book will be a useful reference for graduate students, researchers and professionals working in the area of reliability assessment, condition monitoring and predictive maintenance.

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