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Titolo	Current Trends in Reliability, Availability, Maintainability and Safety : An Industry Perspective // edited by Uday Kumar, Alireza Ahmadi, Ajit Kumar Verma, Prabhakar Varde
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ISBN	3-319-23597-4
Edizione	[1st ed. 2016.]
Descrizione fisica	1 online resource (722 p.)
Collana	Lecture Notes in Mechanical Engineering, , 2195-4356
Disciplina	620
Soggetti	Quality control Reliability Industrial safety Industrial organization Engineering economics Engineering economy Quality Control, Reliability, Safety and Risk Industrial Organization Engineering Economics, Organization, Logistics, Marketing
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 at the end of each chapters.
Nota di contenuto	Track geometry degradation and maintenance modelling: A review -- Maintenance optimization using Multi-Attribute Utility Theory -- Context-based maintenance and repair shop suggestion for a moving vehicle -- Optimal sensor placement for efficient fault diagnosis in condition monitoring process; a case study on steam turbine monitoring -- Estimation of the reliability of rolling element bearings using a synthetic failure rate -- Malfunction in railway system and its effect on arrival delay -- On-Condition parts versus Life limited parts: A trade off in aircraft engines -- Safety and availability evaluation of railway signalling systems -- Applying multi-factorial pareto analyses in prioritizing maintenance effectiveness and efficiency improvements -- Predictive modelling for estimation of railway track degradation.
Sommario/riassunto	Containing selected papers from the ICRESH-ARMS 2015 conference in

Lulea, Sweden, collected by editors with years of experiences in Reliability and maintenance modeling, risk assessment, and asset management, this work maximizes reader insights into the current trends in Reliability, Availability, Maintainability and Safety (RAMS) and Risk Management. Featuring a comprehensive analysis of the significance of the role of RAMS and Risk Management in the decision making process during the various phases of design, operation, maintenance, asset management and productivity in Industrial domains, these proceedings discuss key issues and challenges in the operation, maintenance and risk management of complex engineering systems and will serve as a valuable resource for those in the field.
