1. Record Nr. UNINA9910155299503321

Titolo	Advances in Reliability and System Engineering / / edited by Mangey Ram, J. Paulo Davim
Pubbl/distr/stampa	Cham : , : Springer International Publishing : , : Imprint : Springer, , 2017
Edizione	[1st ed. 2017.]
Descrizione fisica	1 online resource (XII, 265 p. 86 illus., 53 illus. in color.)
Collana	Management and Industrial Engineering, , 2365-0532
Disciplina	620.00452
Soggetti	Quality control Reliability Industrial safety Electronic circuits Applied mathematics Engineering mathematics Quality Control, Reliability, Safety and Risk Circuits and Systems Mathematical and Computational Engineering
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Nota di bibliografia	Includes bibliographical references at the end of each chapters.
Nota di contenuto	Reliability measures, reliability assessment of multi-state systems -- System Engineering -- Reliability Modeling and Testing for Complex Systems -- Optimization of multi-state systems Continuous multi-state systems -- Standby multi-state systems -- New computational techniques applied to multi-state systems -- Mathematical Modelling & Simulation -- System reliability improvement and preventive maintenance based on component degradation -- Probabilistic and non-probabilistic safety assessment -- monitoring and control for multi-stage systems -- Engineering design for safety and reliability -- Statistical process control -- System modelling.
Sommario/riassunto	This book presents original studies describing the latest research and developments in the area of reliability and systems engineering. It helps the reader identifying gaps in the current knowledge and presents fruitful areas for further research in the field. Among others,

this book covers reliability measures, reliability assessment of multi-state systems, optimization of multi-state systems, continuous multi-state systems, new computational techniques applied to multi-state systems and probabilistic and non-probabilistic safety assessment.