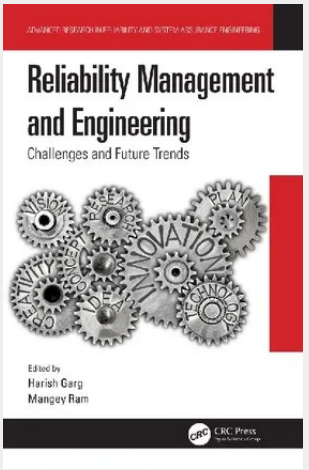
Garg / Ram

Reliability Management and Engineering

Challenges and Future Trends

Reliability technology plays an important role in the present era of industrial growth, optimal efficiency, and reducing hazards. This book provides insights into current advances and developments in reliability engineering, and the research presented is spread across all branches. It discusses interdisciplinary solutions to complex problems using different approaches to save money, time, and manpower. It presents methodologies of coping with uncertainty in reliability optimization through the usage of various techniques such as soft computing, fuzzy optimization, uncertainty, and maintenance scheduling. Case studies and real-world examples are presented along with applications that can be used in practice. This book will be useful to researchers, academicians, and practitioners working in the area of reliability and systems assurance engineering. - Provides current advances and developments across different branches of engineering. - Reviews and analyses case studies and real-world examples. - Presents applications to be used in practice. - Includes numerous examples to illustrate theoretical results.

This book provides interdisciplinary solutions to complex problems using different approaches so as to save money, time, and manpower. Risk analysis will help the system analyst to plan their strategy to improve the performance of the system timely and accordingly



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