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Autore	Varde Prabhakar V.
Titolo	Risk-Conscious Operations Management : An Integrated Paradigm for Complex Engineering System / / by Prabhakar V. Varde
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Collana	Risk, Reliability and Safety Engineering, , 2731-782X
Disciplina	658.5
Soggetti	Industrial engineering Production engineering Computers Financial risk management Operations research Management science Industrial and Production Engineering Hardware Performance and Reliability Risk Management Process Engineering Operations Research, Management Science
Lingua di pubblicazione	Inglese
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Nota di contenuto	Introduction -- Consciousness -- Dependability Engineering -- Risk-conscious Culture -- Risk-based Engineering -- Risk Simulation -- Human Factors in Operation -- Operational Risk Management -- Artificial Intelligence Based Approach for Operator Support System -- Risk-Conscious Maintenance Management.
Sommario/riassunto	This book presents various concepts and applications related to risk-conscious operations management. It also provides an overview of the risk-based engineering – fundamental to the concept of risk-conscious operations management. It presents the reliability concept to support Dependency Modelling, which includes hardware systems structures and components for reliability improvement and risk reduction. The

book further develops and builds attributes and model for risk-conscious culture – critical to characterize operational approach to risk and presents human factor modelling, where it works on developing an approach for human error precursor analysis. This book will be useful for students, researchers, academicians and professionals working on identifying risk and reliability issues in complex safety and mission critical systems. It will also be beneficial for industry risk-and-reliability experts and operational safety staff working in the complex engineering systems.