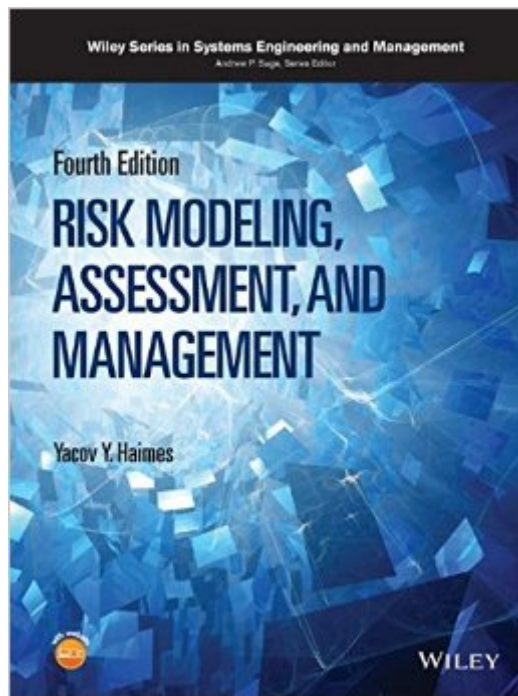


The book was found

Risk Modeling, Assessment, And Management (Wiley Series In Systems Engineering And Management)



Synopsis

Presents systems-based theory, methodology, and applications in risk modeling, assessment, and management This book examines risk analysis, focusing on quantifying risk and constructing probabilities for real-world decision-making, including engineering, design, technology, institutions, organizations, and policy. The author presents fundamental concepts (hierarchical holographic modeling; state space; decision analysis; multi-objective trade-off analysis) as well as advanced material (extreme events and the partitioned multi-objective risk method; multi-objective decision trees; multi-objective risk impact analysis method; guiding principles in risk analysis); avoids higher mathematics whenever possible; and reinforces the material with examples and case studies. The book will be used in systems engineering, enterprise risk management, engineering management, industrial engineering, civil engineering, and operations research. The fourth edition of Risk Modeling, Assessment, and Management features: Expanded chapters on systems-based guiding principles for risk modeling, planning, assessment, management, and communication; modeling interdependent and interconnected complex systems of systems with phantom system models; and hierarchical holographic modeling An expanded appendix including a Bayesian analysis for the prediction of chemical carcinogenicity, and the Farmerâ€™s Dilemma formulated and solved using a deterministic linear model Updated case studies including a new case study on sequential Pareto-optimal decisions for emergent complex systems of systems A new companion website with over 200 solved exercises that feature risk analysis theories, methodologies, and application Risk Modeling, Assessment, and Management, Fourth Edition, is written for both undergraduate and graduate students in systems engineering and systems management courses. The text also serves as a resource for academic, industry, and government professionals in the fields of homeland and cyber security, healthcare, physical infrastructure systems, engineering, business, and more.

Book Information

Series: Wiley Series in Systems Engineering and Management (Book 1)

Hardcover: 720 pages

Publisher: Wiley; 4 edition (August 3, 2015)

Language: English

ISBN-10: 111901798X

ISBN-13: 978-1119017981

Product Dimensions: 8.7 x 1.7 x 11.2 inches

Shipping Weight: 1.6 pounds (View shipping rates and policies)

Average Customer Review: Be the first to review this item

Best Sellers Rank: #720,299 in Books (See Top 100 in Books) #74 in Books > Business & Money > Finance > Financial Risk Management #1057 in Books > Business & Money > Finance > Corporate Finance #2700 in Books > Engineering & Transportation > Engineering > Mechanical

[Download to continue reading...](#)

Risk Modeling, Assessment, and Management (Wiley Series in Systems Engineering and Management) Advances in Heavy Tailed Risk Modeling: A Handbook of Operational Risk (Wiley Handbooks in Financial Engineering and Econometrics) Financial Risk Management: Applications in Market, Credit, Asset and Liability Management and Firmwide Risk (Wiley Finance) Enterprise Risk Management (Financial Engineering and Risk Management) Case Studies in Certified Quantitative Risk Management (CQRM): Applying Monte Carlo Risk Simulation, Strategic Real Options, Stochastic Forecasting, ... Business Intelligence, and Decision Modeling ISO/IEC 31010:2009, Risk management - Risk assessment techniques Lean for Systems Engineering with Lean Enablers for Systems Engineering Credit Risk Management In and Out of the Financial Crisis: New Approaches to Value at Risk and Other Paradigms (Wiley Finance) Atmospheric and Space Flight Dynamics: Modeling and Simulation with MATLAB[®] and Simulink[®] (Modeling and Simulation in Science, Engineering and Technology) The Feeling of Risk: New Perspectives on Risk Perception (Earthscan Risk in Society) Digital Speech: Coding for Low Bit Rate Communication Systems (Wiley Series in Communication and Distributed Systems) Energy Audit of Building Systems: An Engineering Approach, Second Edition (Mechanical and Aerospace Engineering Series) Medical Device Technologies: A Systems Based Overview Using Engineering Standards (Academic Press Series in Biomedical Engineering) Decision Systems for Inventory Management and Production Planning (Wiley Series in Production/Operations Management) Fundamentals of Risk Management: Understanding, Evaluating and Implementing Effective Risk Management Security Risk Management: Building an Information Security Risk Management Program from the Ground Up Making Enterprise Risk Management Pay Off: How Leading Companies Implement Risk Management Mastering Illiquidity: Risk management for portfolios of limited partnership funds (The Wiley Finance Series) Handbook of Item Response Theory Modeling: Applications to Typical Performance Assessment (Multivariate Applications Series) Managing Risk In Information Systems (Information Systems Security & Assurance)

[Dmca](#)