

---

**WILEY SERIES IN SYSTEMS ENGINEERING  
AND MANAGEMENT**

---

**Andrew P. Sage, Editor**

ANDREW P. SAGE and JAMES D. PALMER

**Software Systems Engineering**

WILLIAM B. ROUSE

**Design for Success: A Human-Centered Approach to Designing  
Successful Products and Systems**

LEONARD ADELMAN

**Evaluating Decision Support and Expert System Technology**

ANDREW P. SAGE

**Decision Support Systems Engineering**

YEFIM FASSER and DONALD BRETTNER

**Process Improvement in the Electronics Industry, Second Edition**

WILLIAM B. ROUSE

**Strategies for Innovation**

ANDREW P. SAGE

**Systems Engineering**

HORST TEMPELMEIER and HEINRICH KUHN

**Flexible Manufacturing Systems: Decision Support for Design  
and Operation**

WILLIAM B. ROUSE

**Catalysts for Change: Concepts and Principles for Enabling Innovation**

LIPING FANG, KEITH W. HIPEL, and D. MARC KILGOUR

**Interactive Decision Making: The Graph Model for Conflict Resolution**

DAVID A. SCHUM

**Evidential Foundations of Probabilistic Reasoning**

JENS RASMUSSEN, ANNELESE MARK PEJTERSEN,  
and LEONARD P. GOODSTEIN

**Cognitive Systems Engineering**

ANDREW P. SAGE

**Systems Management for Information Technology and Software  
Engineering**

ALPHONSE CHAPANIS

**Human Factors in Systems Engineering**

YACOV Y. HAIMES

**Risk Modeling, Assessment, and Management, Third Edition**

DENNIS M. BUEDA

**The Engineering Design of Systems: Models and Methods, Second Edition**

ANDREW P. SAGE and JAMES E. ARMSTRONG, Jr.

**Introduction to Systems Engineering**

WILLIAM B. ROUSE

**Essential Challenges of Strategic Management**

YEFIM FASSER and DONALD BRETTNER

**Management for Quality in High-Technology Enterprises**

THOMAS B. SHERIDAN

**Humans and Automation: System Design and Research Issues**

ALEXANDER KOSSIAKOFF and WILLIAM N. SWEET

**Systems Engineering Principles and Practice**

HAROLD R. BOOHER

**Handbook of Human Systems Integration**

JEFFREY T. POLLOCK and RALPH HODGSON

**Adaptive Information: Improving Business Through Semantic Interoperability, Grid Computing, and Enterprise Integration**

ALAN L. PORTER and SCOTT W. CUNNINGHAM

**Tech Mining: Exploiting New Technologies for Competitive Advantage**

REX BROWN

**Rational Choice and Judgment: Decision Analysis for the Decider**

WILLIAM B. ROUSE and KENNETH R. BOFF (editors)

**Organizational Simulation**

HOWARD EISNER

**Managing Complex Systems: Thinking Outside the Box**

STEVE BELL

**Lean Enterprise Systems: Using IT for Continuous Improvement**

J. JERRY KAUFMAN and ROY WOODHEAD

**Stimulating Innovation in Products and Services: With Function Analysis and Mapping**

WILLIAM B. ROUSE

**Enterprise Transformation: Understanding and Enabling Fundamental Change**

JOHN E. GIBSON, WILLIAM T. SCHERER, and WILLIAM F. GIBSON

**How to Do Systems Analysis**

WILLIAM F. CHRISTOPHER

**Holistic Management: Managing What Matters for Company Success**

WILLIAM B. ROUSE

**People and Organizations: Explorations of Human-Centered Design**

MO JAMSHIDI

**System of Systems Engineering: Innovations for the Twenty-First Century**

ANDREW P. SAGE and WILLIAM B. ROUSE

**Handbook of Systems Engineering and Management, Second Edition**

JOHN R. CLYMER

**Simulation-Based Engineering of Complex Systems, Second Edition**

KRAG BROTHBY

**Information Security Governance: A Practical Development and Implementation Approach**

JULIAN TALBOT and MILES JAKEMAN

**Security Risk Management Body of Knowledge**

SCOTT JACKSON

**Architecting Resilient Systems: Accident Avoidance and Survival and Recovery from Disruptions**

JAMES A. GEORGE and JAMES A. RODGER

**Smart Data: Enterprise Performance Optimization Strategy**

YORAM KOREN

**The Global Manufacturing Revolution: Product-Process-Business Integration and Reconfigurable Systems**

AVNER ENGEL

**Verification, Validation, and Testing of Engineered Systems**

WILLIAM B. ROUSE (editor)

**The Economics of Human Systems Integration: Valuation of Investments in People's Training and Education, Safety and Health, and Work Productivity**

ALEXANDER KOSSIAKOFF, WILLIAM N. SWEET, SAM SEYMOUR, and STEVEN M. BIEMER

**Systems Engineering Principles and Practice, Second Edition**

GREGORY S. PARNELL, PATRICK J. DRISCOLL, and DALE L. HENDERSON (editors)

**Decision Making in Systems Engineering and Management, Second Edition**

ANDREW P. SAGE and WILLIAM B. ROUSE

**Economic Systems Analysis and Assessment: Intensive Systems, Organizations, and Enterprises**

BOHDAN W. OPPENHEIM

**Lean for Systems Engineering with Lean Enablers for Systems Engineering**

LEV M. KLYATIS

**Accelerated Reliability and Durability Testing Technology**

BJOERN BARTELS, ULRICH ERMEL, MICHAEL PECHT, and PETER SANDBORN

**Strategies to the Prediction, Mitigation, and Management of Product Obsolescence**

LEVANT YILMAS and TUNCER ÖREN

**Agent-Directed Simulation and Systems Engineering**

ELSAYED A. ELSAYED

**Reliability Engineering, Second Edition**

BEHNAM MALAKOOTI

**Operations and Production Systems with Multiple Objectives**

MENG-LI SHIU, JUI-CHIN JIANG, and MAO-HSIUNG TU

**Quality Strategy for Systems Engineering and Management**

ANDREAS OPELT, BORIS GLOGER, WOLFGANG PFARL, and RALF MITTERMAYR

**Agile Contracts: Creating and Managing Successful Projects with Scrum**

KINJI MORI (editor)

**Concept-Oriented Research and Development in Information Technology**

KAILASH C. KAPUR and MICHAEL PECHT

**Reliability Engineering**