Continuous Risk Management Guidebook

From driverless cars to vehicular networks, recent technological advances are being employed to increase road safety and improve driver satisfaction. As with any newly developed technology, researchers must take care to address all concerns, limitations, and dangers before widespread public adoption. Transportation Systems and Engineering: Concepts, Methodologies, Tools, and Applications addresses current trends in transportation technologies, such as smart cars, green technologies, and infrastructure development. This multivolume book is a critical reference source for engineers, computer scientists, transportation authorities, students, and practitioners in the field of transportation systems management.

This book constitutes the proceedings of the 23rd Ada-Europe International Conference on Reliable Software Technologies, Ada-Europe 2018, held in Lisbon, Portugal, in June 2018. The 10 papers presented in this volume were carefully reviewed and selected from 27 submissions. They were organized in topical sections named: safety and security; Ada 202X; handling implicit overhead; real-time scheduling; and new application domains. .

Software engineering requires specialized knowledge of a broad spectrum of topics, including the construction of software and the platforms, applications, and environments in which the software operates as well as an understanding of the people who build and use the software. Offering an authoritative perspective, the two volumes of the Encyclopedia of Software Engineering cover the entire multidisciplinary scope of this important field. More than 200 expert contributors and reviewers from industry and academia across 21 countries provide easy-to-read entries that cover software requirements, design, construction, testing, maintenance, configuration management, quality control, and software engineering management tools and methods. Editor Phillip A. Laplante uses the most universally recognized definition of the areas of relevance to software engineering, the Software Engineering Body of Knowledge (SWEBOK®), as a template for organizing the material. Also available in an electronic format, this encyclopedia supplies software engineering students, IT professionals, researchers, managers, and scholars with unrivaled coverage of the topics that encompass this ever-changing field. Also Available Online This Taylor & Francis encyclopedia is also available through online subscription, offering a variety of extra benefits for researchers, students, and librarians, including: Citation tracking and alerts Active reference linking Saved searches and marked lists HTML and PDF format options Contact Taylor and Francis for more information or to inquire about subscription options and print/online combination packages. US: (Tel) 1.888.318.2367; (E-mail) e-reference@taylorandfrancis.com International: (Tel) +44 (0) 20 7017 6062; (E-mail) online.sales@tandf.co.uk

The Aerospace Project Management Handbook focuses on space systems, exploring intricacies rarely seen in land-based projects. These range from additional compliance requirements from Earned Value Management requirements and regulations (ESA, NASA, FAA), to criticality and risk factors for systems where repair is impossible. Aerospace project management has become a pathway for success in harsh space environments, as the Handbook demonstrates. With chapters written by experts, this comprehensive book offers a step-by-step approach emphasizing the applied techniques and tools, and is a prime resource for program managers, technical leads, systems engineers, and principle payload leads.

Your business reputation can take years to build—and mere minutes to destroy The range of business threats is evolving rapidly but your organization can thrive and gain a competitive advantage with your business vision for enterprise risk management. Trends affecting markets—events in the global financial markets, changing technologies, environmental priorities, dependency on intellectual property—all underline how important it is to keep up to speed on the latest financial risk management practices and procedures. This popular book on enterprise risk management has been expanded and updated to include new themes and current trends for today's risk practitioner. It features up-to-date materials on new threats, lessons from the recent financial crisis, and how businesses need to protect themselves in terms of business interruption, security, project and reputational risk management. Project risk management is now a mature discipline with an international standard for its implementation. This book reinforces that project risk management needs to be systematic, but also that it must be embedded to become part of an organization's DNA. This book promotes techniques that will help you implement a methodical and broad approach to risk management. The author is a well-known expert and boasts a wealth of experience in project and enterprise risk management Easy-to-navigate structure breaks down the risk management process into stages to aid implementation Examines the external influences that bring sources of business risk that are beyond your control Provides a handy chapter with tips for commissioning consultants for business risk management services It is a business imperative to have a clear vision for risk management. Simple Tools and Techniques for Enterprise Risk Management, Second Edition shows you the way.

Written for people who manage information security risks for their organizations, this book details a security risk evaluation approach called "OCTAVE." The book provides a framework for systematically evaluating and managing security risks, illustrates the implementation of self-directed evaluations, and shows how to tailor evaluation methods to the needs of specific organizations. A running example illustrates key concepts and techniques. Evaluation worksheets and a catalog of best practices are included. The authors are on the technical staff of the Software Engineering Institute. Annotation copyrighted by Book News, Inc., Portland, OR

Very few software projects are completed on time, on budget, and to their original specification causing the global IT software industry to lose billions each year in project overruns and reworking software. Research supports that projects usually fail because of management mistakes rather than technical mistakes. Risk Management in Software Development Projects focuses on what the practitioner needs to know about risk in the pursuit of delivering software projects. Risk Management in Software Development Projects will help all practicing IT Project Managers and IT Managers understand: * Key components of the risk management process * Current processes and best practices for software risk identification * Techniques of risk analysis * Risk Planning * Management processes and be able to develop the process for various organizations

Risiko- und Chancen-Management für IT- und Software-Projekte // - Chancen nutzen und Risiken vermeiden. - Professionelles Chancen- und Risikomanagement ist eine absolute Notwendigkeit angesichts der Projekt- oder Programmkatastrophen in Europa in den letzten Jahren - Erfolgs-/Misserfolgswahrscheinlichkeit von Projekten und Programme mit der SDA bestimmen - Die geeigneten Maßnahmen für Chancen und Risikobehandlung auswählen Chancen nutzen und Risiken vermeiden: Nur wer die Risiken seines Projektes kennt und Maßnahmen definiert und umsetzt, kann in der Projektarbeit erfolgreich sein. Professionelles Chancen- und Risikomanagement ist deshalb eine absolute Notwendigkeit – und dieses Buch ein

Muss für die Manager, Projektleiter und alle anderen Beteiligten von IT- und Software-Projekten, insbesondere wenn sie agil sein müssen. Dieser praktische Leitfaden beschreibt die zentralen Risiken, denen Unternehmen und ihre Projekte in diesem Umfeld begegnen, und stellt die Strategien für deren Behandlung vor. Der Autor zeigt, wie Risikomanagement von Anfang an in Projekte eingebunden werden muss. Außerdem erläutert er, wie Chancen-, Risiko-, Qualitäts- und Projektmanagement aufeinander abzustimmen sind. Auch innovative und neue Methoden wie z. B. die SUCCESS DRIVER ANALYSE (SDA) werden vorgestellt. Das Buch enthält zahlreiche Tipps und Best Practices aus der langjährigen, internationalen Erfahrung des Autors. Ein Kapitel zu den Hilfsmitteln und Werkzeugen sowie eine Fallstudie runden das Buch ab. AUS DEM INHALT // Grundlagen des Risiko- und Chancenmanagements // Unternehmensweites Risikomanagementsystem // Risikomanagement in IT-Organisationen // Projekte und Chancen/Risiken // Scrum und Risikomanagement // Portfolios von Projekten und Risiken // Erfolgsfaktoren von Projekten und Programmen (SOS-Methode des // BVA/BIT, die Success-Driver-Analyse (SDA)) // Ursachen von Projektmisserfolgen // Best-Practices-Modelle Aus Anforderungen werden Risiken // Prozesse, Techniken und Hilfsmittel // Fallstudie mit Lösung

An updated and revised edition of a bestselling guide to project management The first edition of The Fast Forward MBA in Project Management sold over 100,000 copies and has been widely adopted in university courses and corporate training programs around the world. The book teaches the basic methods for defining, planning, and tracking a project, as well as techniques for leading and building strong project teams. This new edition includes: Downloadable, customizable project management forms Study aids for passing the popular Project Management Professional certification exam Guidelines for building high-performance project teams New examples of project management at work in the 21st century Eric Verzuh (Seattle, WA) is certified by the Project Management Institute and is President of The Versatile Company, which delivers project management training and consulting services to such companies as Adobe Systems, Inc., GE, Lockheed Martin, Nordstrom, and the United States Postal Service. He is also the author of The Portable MBA in Project Management (0-471-26899-2), from Wiley.

"The increasing rate of technological change we are experiencing in our lifetime yields competitive advantage to organizations and individuals who are willing to embrace risk and the opportunities it presents. Those who choose to minimize or avoid risk, as opposed to managing it, set a course for obsolescence. Hall has captured the essence of risk management and given us a practical guide for the application of useful principles in software-intensive product development. This is must reading for public and private sector managers who want to succeed as we begin the next century." - Daniel P. Czelusniak, Director, Acquisition Program Integration Office of the Under Secretary of Defense (Acquisition and Technology) The Pentagon "Since it is more than just common sense, the newcomer to risk management needs an intelligent guide. It is in this role that Elaine Hall's book excels. This book provides a set of practical and well-delineated processes for implementation of the discipline." - Tom DeMarco, from the Foreword Risk is inherent in the development of any large software system. A common approach to risk in software development is to ignore it and hope that no serious problems occur. Leading software companies use quantitative risk management methods as a more useful approach to achieve success. Written for busy professionals charged with delivering high-quality products on time and within budget, Managing Risk is a comprehensive guide that describes a success formula for managing software risk. The book is divided into five parts that describe a risk management road map designed to take you from crisis to control of your software project. Highlights include: Six disciplines for managing product development. Steps to predictable risk-management process results. How to establish the infrastructure for a risk-aware culture. Methods for the implementation of a risk management plan. Case studies of people in crisis and in control.

The three volume set LNAI 5177, LNAI 5178, and LNAI 5179, constitutes the refereed proceedings of the 12th International Conference on Knowledge-Based Intelligent Information and Engineering Systems, KES 2008, held in Zagreb, Croatia, in September 2008. The 316 revised papers presented were carefully reviewed and selected. The papers present a wealth of original research results from the field of intelligent information processing in the broadest sense; topics covered in the second volume are artificial intelligence driven engineering design optimization; biomedical informatics: intelligent information management from nanomedicine to public health; communicative intelligence; computational intelligence for image processing and pattern recognition; computational intelligence in human cancer research; computational intelligence techniques for Web personalization; computational intelligent techniques for bioprocess modelling, monitoring and control; intelligent computing for Grid; intelligent security techniques; intelligent utilization of soft computing techniques; reasoning-based intelligent systems: relevant reasoning for discovery and prediction; spatio-temporal database concept support for organizing virtual earth; advanced knowledge-based systems; chance discovery; innovation-oriented knowledge management platform; knowledge-based creativity support systems; knowledge-based interface systems; knowledge-based multi-criteria decision support; and knowledge-based systems for e-business.

Guarding Your Business outlines the organizational elements that must be in place to protect the information and physical assets of typical businesses and organizations. The book recognizes the need for an architecture integrated within the organizational environment for systematic protection. Such an architecture is offered along with the building blocks to make organizations resistant to human error and resilient under physical attack or natural disaster. The book addresses risk assessment, determination of quality-of-service levels that balance safety versus cost, security versus privacy, determination of access rights to data and software, and a security-conscious culture in the organization. Questions answered by experts from academia and industry include: How can one organize for security? What organizational structures, policies, and procedures must be in place? What legal and privacy issues must be addressed?

The most comprehensive General, Organic, and Biochemistry book available, Introduction to General, Organic, and Biochemistry, 11th Edition continues its tradition of a solid development of problem-solving skills, numerous examples and practice problems, along with coverage of current applications. Written by an experienced author team, they skillfully anticipate areas of difficulty and pace the book accordingly. Readers will find the right mix of general chemistry compared to the discussions on organic and biochemistry. Introduction to General, Organic, and Biochemistry, 11th Edition has clear & logical explanations of chemical concepts and great depth of coverage as well as a clear, consistent writing style which provides great readability. An emphasis on Real-World aspects of chemistry makes the reader comfortable in seeing how the chemistry will apply to their career.

“There are many books available on software risks and software failures. There are very few books that provide step-by-step information on getting troubled software projects back on track. This book provides detailed guidelines for software project recovery. Some of the steps the author recommends may be unpleasant, but all are important.” —Capers Jones, chief scientist emeritus at Software Productivity Research LLC “This is a well-conceived, well-written, interesting book about an important topic. The author is right in saying that no one else has covered this particular facet of project failure.” —Robert L. Glass, publisher of the Software Practitioner A 10-STEP PROCESS TO IDENTIFY SEVERELY TROUBLED PROJECTS AND AVOID COSTLY FAILURE It’s a software development nightmare: a project that’s rapidly spiraling out of control...or already a disaster. Conventional project management techniques won’t save these projects: there are no standard rescue processes to follow. You need something radically different: Catastrophe Disentanglement. Drawing on in-depth data from hundreds of development organizations, E.M. Bennatan presents a proven, 10-step program for rescuing any project that’s worth saving. You’ll find specific guidance for addressing massive budget overruns, schedule slippage, poor quality—or all three at once. Using practical examples drawn from decades of hands-

on experience as a software development leader and consultant, Bennatan shows how to Evaluate where your project really stands Align your project's developers, managers, and customers Defi ne the minimum acceptable project goals that are achievable Replan your project to successfully deliver the new minimum goals Identify risks in your revised project and create effective contingency plans Install an "early warning system" to keep your rescued project from slipping back toward catastrophe Catastrophe Disentanglement is an effective, comprehensive approach to software project rescue. Whenever projects are in trouble—whether you are a senior manager, project manager, team member, or software customer—this book could save your career. Preface xi Chapter 1 An Introduction to Catastrophe Disentanglement 1 Chapter 2 When Is a Project a Catastrophe? 15 Chapter 3 Step 1–Stop 43 Chapter 4 Step 2–Assign an Evaluator 57 Chapter 5 Step 3–Evaluate the Project 73 Chapter 6 Step 4–Evaluate the Team 95 Chapter 7 Step 5–Define Minimum Goals 113 Chapter 8 Step 6–Can Minimum Goals Be Achieved? 133 Chapter 9 Step 7–Rebuild the Team 147 Chapter 10 Step 8–Risk Analysis 169 Chapter 11 Step 9–Revise the Plan 189 Chapter 12 Step 10–Create an Early Warning System 209 Chapter 13 Epilogue: Putting the Final Pieces in Place 233 References 245 Glossary 255 About the Author 257 Index 259 © Copyright Pearson Education. All rights reserved.

Software professionals and companies live in a new world today. Increasingly complex systems need to be built faster and cheaper. While many of the est- lished approaches in software quality are still valid, the software quality c- munity is going through a paradigm shift that requires a re-assessment of our current method and tool portfolio, as well as creating new and more e?ective solutions. We have selected two themes for this conference to highlight this paradigm shift. Our ?rst theme, "production of attractive and reliable software at Internet speed" sums up the dilemma many software organisations face. In order to be competitive, software should contain advanced features and run reliably – yet it should be developed quickly and cost e?ectively for the right market window. Finding the right balance between these objectives is a critical question that will determine business success in the years to come. Our second theme, "production of software with a dynamic partnership n- work" highlights the current trend of using partnerships and subcontractors as integral players in the software development process. Partnerships sometimes need to be created quickly to respond to a market opportunity, yet the costs and speed of cooperation must be competitive. Di?erent companies have di?erent processes, quality tools and cultures, yet they should cooperate seamlessly for the best result.

Almost 80% of CEOs say that their organization must get better at managing external relationships. According to The Economist, one of the major reasons why so many relationships end in disappointment is that most organizations 'are not very good at contracting'. This ground-breaking title from leading authority IACCM (International Association for Contract and Commercial Management) represents the collective wisdom and experience of Contract, Legal and Commercial experts from some of the world's leading companies to define how to partner for performance. This practical guidance is designed to support practitioners through the contract lifecycle and to give both 'supply' and 'buy' perspectives, leading to a more consistent approach and language that supports greater efficiency and effectiveness. Within the five phases described in this book (Initiate, Bid, Development, Negotiate and Manage), readers will find invaluable guidance on the whole lifecycle with insights to finance, law and negotiation, together with dispute resolution, change control and risk management. This title is the official IACCM operational guidance and fully supports and aligns with the course modules for Certification.

Entity Identification to Virtual Reality in Driving Simulation

The Portable MBA in Project Management covers the most pressing topics in project management and features all the leading thinkers in the field. While most project management books address only the techniques for managing individual projects, The Portable MBA in Project Management widens the scope to include insights for managing project-based organizations. In doing so, this comprehensive volume will help managers combine the power of individual project successes to drive the organization to new levels of productivity and customer responsiveness. Eric Verzuh, best selling author of The Fast Forward MBA in Project Management, brings together the leading lights of project management in this volume, including Robert G. Cooper, Randall Englund, Jack Meredith and Neil Whitten. In addition to his role as editor, Verzuh draws on his own expertise to address how and why project management is a strategic strength, how to integrate project management into your enterprise, and several other topics for which he is well-known. Together they effectively address the full spectrum of the issues in project management today.

This guidebook provides guidance to state departments of transportation for using specific, practical, and risk-related management practices and analysis tools for managing and controlling transportation project costs. Containing a toolbox for agencies to use in selecting the appropriate strategies, methods and tools to apply in meeting their cost-estimation and cost-control objectives, this guidebook should be of immediate use to practitioners that are accountable for the accuracy and reliability of cost estimates during planning, priority programming and preconstruction.

Annotation Are you being asked to manage a project with:- unclear requirements? - high levels of change? - a team using Extreme Programming or other Agile Methods? This book is for project managers who are interested in learning the secrets of successfully controlling and delivering agile projects. From learning how agile projects are different from traditional projects, to detailed guidance on a number of agile management techniques, this book includes contributions from some of the industry experts -- the visionaries who developed the agile methodologies in the first place. Contributors include:- Scott Ambler, developer of Agile Modeling - Alistair Cockburn, the developer of Crystal Methods - Larry Constantine, the visionary behind user-centred design and use cases- Ron Jeffries, co-creator of Extreme Programming - Linda Rising, the leading expert on the use of patterns in software design- and many others.

Examines timely multidisciplinary applications, problems, and case histories in risk modeling, assessment, and management Risk Modeling, Assessment, and Management, Third Edition describes the state of the art of risk analysis, a rapidly growing field with important applications in engineering, science, manufacturing, business, homeland security, management, and public policy. Unlike any other text on the subject, this definitive work applies the art and science of risk analysis to current and emergent engineering and socioeconomic problems. It clearly demonstrates how to quantify risk and construct probabilities for real-world decision-making problems, including a host of institutional, organizational, and political issues. Avoiding higher mathematics whenever possible, this important new edition presents basic concepts as well as advanced material. It incorporates numerous examples and case studies to illustrate the analytical methods under discussion and features restructured and updated chapters, as well as: A new chapter applying systems-driven and risk-based analysis to a variety of Homeland Security issues An accompanying FTP site—developed with Professor Joost Santos—that offers 150 example problems with an Instructor's Solution Manual and case studies from a variety of journals Case studies on the 9/11 attack and Hurricane Katrina An adaptive multiplayer Hierarchical Holographic Modeling (HHM) game added to Chapter Three This is an indispensable resource for academic, industry, and government professionals in such diverse areas as homeland and cyber security, healthcare, the environment, physical infrastructure systems, engineering, business, and more. It is also a valuable textbook for both undergraduate and graduate students in systems engineering and systems management courses with a focus on our

uncertain world.

2012 International Conference on Affective Computing and Intelligent Interaction (ICACII 2012) was the most comprehensive conference focused on the various aspects of advances in Affective Computing and Intelligent Interaction. The conference provided a rare opportunity to bring together worldwide academic researchers and practitioners for exchanging the latest developments and applications in this field such as Intelligent Computing, Affective Computing, Machine Learning, Business Intelligence and HCI. This volume is a collection of 119 papers selected from 410 submissions from universities and industries all over the world, based on their quality and relevancy to the conference. All of the papers have been peer-reviewed by selected experts.

With step-by-step guidelines, this bestselling reference discusses the management of project opportunities by expanding the traditional risk management process to address opportunities alongside threats. It offers valuable tools and techniques that expose and capture opportunities, minimize threats, and deal with all types of uncertainty in your business and projects. Written by an experienced consultant and risk management specialist, this guide emphasizes that risk processes must cover both opportunities and threats if they are to assist in accomplishing project objectives and maximizing business benefits.

Numerous methods exist to model and analyze the different roles, responsibilities, and process levels of information technology (IT) personnel. However, most methods neglect to account for the rigorous application and evaluation of human errors and their associated risks. This book fills that need. Modeling, Evaluating, and Predicting IT Human Resources Performance explains why it is essential to account for the human factor when determining the various risks in the software engineering process. The book presents an IT human resources evaluation approach that is rooted in existing research and describes how to enhance existing approaches through strict use of software measurement and statistical principles and criteria. Discussing IT human factors from a risk assessment point of view, the book identifies, analyzes, and evaluates the basics of IT human performance. It details the IT human factors required to achieve desired levels of human performance prediction. It also provides a rigorous investigation of existing human factors evaluation methods, including IT expertise and Big Five, in combination with powerful statistical methods, such as failure mode and effect analysis (FMEA) and design of experiment (DoE). Supplies an overview of existing methods of human risk evaluation Provides a detailed analysis of IT role-based human factors using the well-known Big Five method for software engineering Models the human factor as a risk factor in the software engineering process Summarizes emerging trends and future directions In addition to applying well-known human factors methods to software engineering, the book presents three models for analyzing psychological characteristics. It supplies profound analysis of human resources within the various software processes, including development, maintenance, and application under consideration of the Capability Maturity Model Integration (CMMI) process level five.

?Vor dem Hintergrund zahlreicher fehlgeschlagener IT-Projekte untersucht Jonathan Brandstäter die Potenziale eines ergänzenden Risikomanagements für die Steuerung agiler Projekte unter Anwendung von Scrum. Er analysiert, wie Scrum mit Risiken umgeht und welche Verbesserungspotenziale innerhalb des Risikomanagements existieren. Darüber hinaus entwickelt der Autor eine Methode, die dazu beiträgt, den richtigen Risikomanagementansatz als Ergänzung zu Scrum auszuwählen. Zur Validierung der Methode wendet er sie auf vier Risikomanagementansätze an, evaluiert einen geeigneten Ansatz mithilfe einer Nutzwertanalyse und passt ihn so an, dass alle Schwachstellen behoben werden und zugleich die Agilität steigt. ?

The theme of this manual is failure physics - the study of how products, hardware, software, and systems fail and what can be done about it. The intent is to impart useful information, to extend the limits of production capability, and to assist in achieving low-cost reliable products. In a broader sense the manual should do more. It should underscore the urgent need for mature attitudes toward reliability. Five of the chapters were originally presented as a classroom course to over 1000 Martin Marietta engineers and technicians. Another four chapters and three appendixes have been added. We begin with a view of reliability from the years 1940 to 2000. Chapter 2 starts the training material with a review of mathematics and a description of what elements contribute to product failures. The remaining chapters elucidate basic reliability theory and the disciplines that allow us to control and eliminate failures.

Risk management strategy for the pioneering technological sector Enterprise Risk and Opportunity Management provides much-needed guidance tailored specifically to the technological sector. While most enterprise risk management guides are written for traditional businesses and finance firms, this book translates effective enterprise risk and opportunity management (EROM) principles into strategies and practices that work for government, nonprofit, and for-profit organizations in the technological space. Originally designed for noncommercial pioneering enterprises like NASA, an entire chapter is now devoted toward applying the methods to profit-making technological enterprises. A 40-year veteran of the tech sector, Dr. Allan Benjamin outlines risk management strategies for organizations in which the advancement and integration of science and technology within complex systems is necessary for accomplishment of the mission. Commercial EROM strategies do not translate directly when the development and implementation of risky technologies is the organization's primary objective, and clumsy or near-sighted implementation can easily cripple progress. This book provides authoritative guidance tailored to the sector's specialized needs. Maximize opportunity while effectively managing risk Understand the core principles of the technological EROM approach and its interfaces with the management of the organization Comprehend the intricacies of aggregating risks and opportunities from lower to higher levels of the organization Gain expert insights specific to the technology sector Mitigate and control the risk that comes with pursuing discovery In practice, EROM in this sector involves working with mostly qualitative data, and is characterized by high uncertainty. Managing risk without handicapping the organization requires a specific set of adjustments to traditional EROM, and a more nuanced approach to the idea of "acceptable risk. Balance is key in technological EROM, and Enterprise Risk and Opportunity Management provides foundational guidance, real-world strategy, and enlightening examples for getting it right.

Chuck, using a cut-to-the-chase reader journey, takes one through the core material of classic and contemporary MBA Program course offerings. And, he adds new exciting 21st Century courses that provides the "must know" knowledge that can be immediately applied to all business, industry and government situations.

Projects fail to meet goals for many reasons: poor time and budget performance, failure to deal with complexity, uncontrolled changes in scope... Even the most experienced project managers

can be caught off guard in the presence of these forces. Performance-Based Project Management shows readers how they can increase the probability of project success, detailing a straightforward plan for avoiding surprises, forecasting performance, identifying risk, and taking corrective action to keep a project a success. Based on the "Five Immutable Principles of Project Success," this book shows project leaders how to assess the business capabilities needed for a project; plan and schedule the work; determine the resources required to complete on time and on budget; identify and manage risks to success; and measure performance in units meaningful to decision makers. Project managers will learn the core practices for each principle, as well as associated processes, so that they can lay the foundation for project success from the start. They'll discover how each process produces "artifacts," which provide feedback as to whether everything is going well-and if not, when and how it will be fixed. Each practice is illustrated through examples and tailored for different levels of complexity and risk to help project managers ensure that project aren't just done-they're done right.

Edited by one of the best-known and most widely respected figures in the field, "Planning for Information Systems" is a comprehensive, single source overview of the myriad ideas and processes that are identified with IS planning. While many chapters deal with high level strategic planning, the book gives equal attention to on-the-ground planning issues.Part I, 'Key Concepts of IS Planning', focuses on how IS planning has evolved over the years; business-IS strategic alignment; and the role of dynamic organizational capabilities in leveraging IS competencies. Part II, 'The Organizational IS Planning Process,' describes IS planning in terms of critical success factors and includes a knowledge-based view of IS planning; a practical assessment of strategic alignment; the IT budgeting process; the search for an optimal level of IS strategic planning; and the role of organizational learning in IS planning.Part III, 'IS Investment Planning', deals with predicting the value that an IS project may have; a 'rational expectations' approach to assessing project payoffs; assessing the social costs and benefits of projects; an options-based approach to managing project risks; planning for project teams; and the moderating effects of coordinated planning. Part IV, 'Goals and Outcomes of IS Planning', considers information strategy as a goal and/or outcome of IS planning; IT infrastructure as a goal or outcome; competitive advantage as a goal or outcome; e-process partnership chains; and planning successful Internet-based projects.

A comprehensive reference manual to the Certified Software Quality Engineer Body of Knowledge and study guide for the CSQE exam.

"This book provides organizational and managerial directions to support the greater use and management of electronic or digital government technologies in organizations, while epitomizing the current e-government research available"--Provided by publisher.

Despite many years of development, risk management remains problematic for the majority of organizations. One common challenge is the human dimension, in other words, the way people perceive risk and risk management. Risk management processes and techniques are operated by people, each of whom is a complex individual, influenced by many different factors. And the problem is compounded by the fact that most risk management involves people working in groups. This introduces further layers of complexity through relationships and group dynamics. David Hillson's and Ruth Murray-Webster's Understanding and Managing Risk Attitude will help you understand the human aspects of risk management and to manage proactively the influence of human behaviour on the risk process. The authors introduce a range of models, perspectives and examples to define and detail the range of possible risk attitudes; looking both at individuals and groups. Using leading-edge thinking on self-awareness and emotional literacy, they develop a powerful approach to address the most common shortfall in current risk management: the failure to manage the human aspects of the process. All this is presented in a practical and applied framework, rather than as a theoretical or academic treatise, based on the authors' shared experiences and expertise, rather than empirical research. Anyone involved in implementing risk management will benefit from this book, including risk practitioners, senior managers and directors responsible for corporate governance, project managers and their teams. It is also essential reading for HR professionals and others interested in organizational or behavioural psychology. This second edition is updated to strengthen the understanding of individual risk attitudes and reinforce what individuals can do to manage those risk attitudes that are leading them away from their objectives. For people who want to embrace this subject, the book highlights ways forward that are proven and practical.

Few software projects are completed on time, on budget, and to their original specifications. Focusing on what practitioners need to know about risk in the pursuit of delivering software projects, Applied Software Risk Management: A Guide for Software Project Managers covers key components of the risk management process and the software development process, as well as best practices for software risk identification, risk planning, and risk analysis. Written in a clear and concise manner, this resource presents concepts and practical insight into managing risk. It first covers risk-driven project management, risk management processes, risk attributes, risk identification, and risk analysis. The book continues by examining responses to risk, the tracking and modeling of risks, intelligence gathering, and integrated risk management. It concludes with details on drafting and implementing procedures. A diary of a risk manager provides insight in implementing risk management processes. Bringing together concepts across software engineering with a project management perspective, Applied Software Risk Management: A Guide for Software Project Managers presents a rigorous, scientific method for identifying, analyzing, and resolving risk.

Risikomanagement und Wiederanlauf-(Notfall)-Planung stellen in der heutigen Zeit der "Hochverfügbarkeit" von Technik und Dienstleistungen eine elementare Voraussetzung für die Wettbewerbsfähigkeit und ggf. den Fortbestand eines Unternehmens dar. Gerade die Globalisierung der Märkte und die Konzernverflechtungen machen länderübergreifende Konzepte zwingend erforderlich, die nationale Gesetze berücksichtigen und teilweise über sie hinausgehen. Dieses Buch bietet durch die Beleuchtung dieser hochinteressanten Thematik aus den unterschiedlichsten Facetten allen interessierten Lesern sowohl mit praktischen als auch theoretischen Schwerpunkten eine Fülle von Informationen, sei es für die Konzeption eigener Projekte oder die Vorbereitung von internen und externen Revisionen.

The XP conference series established in 2000 was the first conference dedicated to agile processes in software engineering. The idea of the conference is to offer a unique setting for advancing the state of the art in the research and practice of agile processes. This year’s conference was the ninth consecutive edition of this international event. The conference has grown to be the largest conference on agile software development outside North America. The XP conference enjoys being one of those conferences that truly brings practitioners and academics together. About 70% of XP participants come from industry and the number of academics has grown steadily over the years. XP is more of an experience rather than a regular conference. It offers several different ways to interact and strives to create a truly collaborative environment where new ideas and exciting findings can be presented and shared. For example, this year’s open space session, which was “a conference within a conference”, was larger than ever before. Agile software development is a unique phenomenon from several perspectives.

"This book presents a vital compendium of research detailing the latest case studies, architectures, frameworks, methodologies, and research on Digital Democracy"--Provided by publisher.

Continuous Risk Management GuidebookManaging Information Security RisksThe OCTAVE ApproachAddison-Wesley Professional