Read Free Cybersecurity Capability Maturity Model White Paper Pdf File Free

Risk Maturity Models CERT Resilience Management Model (CERT-RMM) Diverse Applications and Transferability of Maturity Models **Applying Business Intelligence Initiatives in Healthcare and Organizational Settings** Establishing Cyber Security Programs Through the Community Cyber Security Maturity Model (CCSMM) **Research Anthology on Privatizing and Securing Data** *Research and Advanced Technology for Digital Libraries* **Data Governance Success** E-business In The 21st Century: Essential Topics And Studies (Second Edition) **Management of risk Medical Device Cybersecurity for Engineers and Manufacturers** *Quality of Information and Communications Technology* **Knowledge Management in Organisations Digital Libraries for Open Knowledge** *Trends and Applications in Software Engineering* **Software Process Improvement and Capability Determination Cyber Security and Global Information Assurance: Threat Analysis and Response Solutions** *Cyber Security Management* **Building Digital Libraries, Second Edition** *Strategic Cyber Security Management Target-setting Methods and Data*

Management to Support Performance-based Resource Allocation by Transportation Agencies **Advances in Production Management Systems. Smart Manufacturing for Industry 4.0 Advances in Production Management Systems. The Path to Intelligent, Collaborative and Sustainable Manufacturing** *Fraud Investigation Reports in Practice* **EJISE Volume 15 Issue 1 IQM-CMM: Information Quality Management Capability Maturity Model** *Risk Management Maturity Determining Sexual Maturity in White Sturgeon (Acipenser Transmontanus) to Maximize Yield and Quality of Caviar* **Building a Travel Risk Management Program** *A Systems Approach to Managing the Complexities of Process Industries* **Intelligent Manufacturing Information Technology Governance and Service Management: Frameworks and Adaptations** Business Process Maturity Trends and Advances in Information Systems and Technologies **Project Management Maturity Model Construction Management** *Smart Cities, Green Technologies, and Intelligent Transport Systems* **DAMA-DMBOK Software Engineering Aspects of Continuous**

Development and New Paradigms of Software Production and Deployment Security Operations Center

Establishing Cyber Security Programs Through the Community Cyber Security Maturity Model (CCSMM) Aug 29 2022 As society continues to heavily rely on software and databases, the risks for cyberattacks have increased rapidly. As the dependence on computers has become gradually widespread throughout communities and governments, there is a need for cybersecurity programs that can assist in protecting sizeable networks and significant amounts of data at once. Implementing overarching security policies for software systems is integral to protecting community-wide data from harmful attacks. Establishing Cyber Security Programs Through the Community Cyber Security Maturity Model (CCSMM) is an essential reference source that discusses methods in applying sustainable cybersecurity programs and policies within organizations, governments, and other communities. Featuring research on topics such as community engagement, incident planning methods, and information sharing, this book is

ideally designed for cybersecurity professionals, security analysts, managers, researchers, policymakers, students, practitioners, and academicians seeking coverage on novel policies and programs in cybersecurity implementation.

IQM-CMM: Information Quality Management Capability Maturity Model Nov 07 2020 Saša Baškarada presents a capability maturity model for information quality management process assessment and improvement. The author employed six exploratory case studies and a four round Delphi study to gain a better understanding of the research problem and to build the preliminary model, which he then applied in seven international case studies for further enhancement and external validation. *Cyber Security Management* Jul 16 2021 Cyber Security Management: A Governance, Risk and Compliance Framework by Peter Trim and Yang-Im Lee has been written for a wide audience. Derived from research, it places security management in a holistic context and outlines how the strategic marketing approach can be used to underpin cyber security in partnership arrangements. The book is unique because it integrates material that is of a highly specialized nature but which can be interpreted by those with a non-specialist background in the area. Indeed, those with a limited knowledge of cyber security will be able to develop a comprehensive understanding of the subject and will be guided into devising and

implementing relevant policy, systems and procedures that make the organization better able to withstand the increasingly sophisticated forms of cyber attack. The book includes a sequence-of-events model; an organizational governance framework; a business continuity management planning framework; a multi-cultural communication model; a cyber security management model and strategic management framework; an integrated governance mechanism; an integrated resilience management model; an integrated management model and system; a communication risk management strategy; and recommendations for counteracting a range of cyber threats. Cyber Security Management: A Governance, Risk and Compliance Framework simplifies complex material and provides a multi-disciplinary perspective and an explanation and interpretation of how managers can manage cyber threats in a pro-active manner and work towards counteracting cyber threats both now and in the future. *Risk Management Maturity* Oct 07 2020 Crises like the COVID-19 pandemic are wake-up calls for enterprises to review their current risk management models. This book suggests a more robust risk management maturity model and illustrates the application in crisis situations. The book surveys existing risk management maturity models and proposes a new model appropriate for assessing the risk management processes in enterprises during times of crisis. Its key advantages include the

correlation of its attributes with crisis situations and an innovative methodological approach to model development. The authors use the model to examine 107 enterprises from the financial services, construction and IT sector, showing how it allows the user to identify risk management maturity changes in the aftermath of the COVID-19 pandemic. The book will interest entrepreneurs, managers and risk management professionals, who can use the model in their management processes, as well as enterprise stakeholders and academics. **Risk Maturity Models** Jan 02 2023 This book offers a practical solution for every organization that needs to monitor the effectiveness of their risk management. Written by a practising Chief Risk Officer, Risk Maturity Models enables you to build confidence in your organization's risk management process through a tailored risk maturity model that lends itself to benchmarking. This is a management tool that is easy to design, practical and powerful, which can baseline and self-improve the maturity capabilities needed to deliver ERM benefits over time. This book guides the reader through comparing and tailoring a wealth of existing models, methods and reference standards and codes (such as ISO 31000 and COSO ERM). Covering 60 risk-related maturity models in clear comparison format, it helps risk professionals to select the approach best suited to their circumstances, and even design their own model. Risk Maturity Models provides focused messages for the risk

management function, the internal audit function, and the Board. Combining proven practice and insight with realistic practitioner scenarios, this is essential reading for every risk, project, audit and board professional who wants to move their organization up the risk maturity curve.

DAMA-DMBOK Oct 26 2019 Defining a set of guiding principles for data management and describing how these principles can be applied within data management functional areas; Providing a functional framework for the implementation of enterprise data management practices; including widely adopted practices, methods and techniques, functions, roles, deliverables and metrics; Establishing a common vocabulary for data management concepts and serving as the basis for best practices for data management professionals. DAMA-DMBOK2 provides data management and IT professionals, executives, knowledge workers, educators, and researchers with a framework to manage their data and mature their information infrastructure, based on these principles: Data is an asset with unique properties; The value of data can be and should be expressed in economic terms; Managing data means managing the quality of data; It takes metadata to manage data; It takes planning to manage data; Data management is cross-functional and requires a range of skills and expertise; Data management requires an enterprise perspective; Data management must account for a range of perspectives; Data

management is data lifecycle management; Different types of data have different lifecycle requirements; Managing data includes managing risks associated with data; Data management requirements must drive information technology decisions; Effective data management requires leadership commitment.

Trends and Advances in Information Systems and Technologies Feb 29 2020 This book includes a selection of papers from the 2018 World Conference on Information Systems and Technologies (WorldCIST'18), held in Naples, Italy on March27-29, 2018. WorldCIST is a global forum for researchers and practitioners to present and discuss recent results and innovations, current trends, professional experiences and the challenges of modern information systems and technologies research together with their technological development and applications. The main topics covered are: A) Information and Knowledge Management; B) Organizational Models and Information Systems; C) Software and Systems Modeling; D) Software Systems, Architectures, Applications and Tools; E) Multimedia Systems and Applications; F) Computer Networks, Mobility and Pervasive Systems; G) Intelligent and Decision Support Systems; H) Big Data Analytics and Applications; I) Human–Computer Interaction; J) Ethics, Computers & Security; K) Health Informatics; L) Information Technologies in Education; M) Information Technologies in Radiocommunications; N)

Technologies for Biomedical Applications. **Building a Travel Risk Management Program** Aug 05 2020 Building a Travel Risk Management Program: Traveler Safety and Duty of Care for Any Organization helps business and security professionals effectively manage traveler risk by showing them how to build a complete travel risk program. While global corporate travel risks are increasing exponentially, many security and business managers are not well-versed in the rapidly changing global landscape of travel risk, nor do they fully realize the multitude of risks their companies face if they don't comply with their legal obligations—"duty of care"—for protecting their employees from foreseeable harm, which can cost a company in the form of extensive fines, productivity loss, business interruptions, stock price loss, litigation, and even potential bankruptcy. This book is the first to bridge the gap between the topics of travel management, security, and risk management. It serves as a reference point for working with other departments, including human resources and legal, paving the way for better internal cooperation for travel managers and security managers. In addition, it helps organizations craft a travel risk management program for their unique needs that incorporates the most important policies and procedures that help them comply with legal obligations. Illustrates common mistakes that can have a devastating impact across the entire enterprise with real-world examples and case studies Includes

testimonies from corporate travel risk security experts on best practices for meeting the constantly changing duty of care standard Presents best practices for reducing the risk of exposure and liability Offers models for effectively promoting and advocating for travel risk management programs within the organization Compares laws like the UK s "Corporate Manslaughter Act (considered one of the world's most strict legislative standards) to similar laws around the world, showing how compliance requires constant supervision and process improvement

EJISE Volume 15 Issue 1 Dec 09 2020
Quality of Information and Communications Technology Jan 22 2022 This book constitutes the refereed proceedings of the 13th International Conference on the Quality of Information and Communications Technology, QUATIC 2020, held in Faro, Portugal*, in September 2020. The 27 full papers and 12 short papers were carefully reviewed and selected from 81 submissions. The papers are organized in topical sections: quality aspects in machine learning, AI and data analytics; evidence-based software quality engineering; human and artificial intelligences for software evolution; process modeling, improvement and assessment; software quality education and training; quality aspects in quantum computing; safety, security and privacy; ICT verification and validation; RE, MDD and agile. *The conference was held virtually due to the COVID-19 pandemic.

Strategic Cyber Security Management May 14 2021 This textbook places cyber security management within an organizational and strategic framework, enabling students to develop their knowledge and skills for a future career. The reader will learn to: • evaluate different types of cyber risk • carry out a threat analysis and place cyber threats in order of severity • formulate appropriate cyber security management policy • establish an organization-specific intelligence framework and security culture • devise and implement a cyber security awareness programme • integrate cyber security within an organization's operating system Learning objectives, chapter summaries and further reading in each chapter provide structure and routes to further in-depth research. Firm theoretical grounding is coupled with short problem-based case studies reflecting a range of organizations and perspectives, illustrating how the theory translates to practice, with each case study followed by a set of questions to encourage understanding and analysis. Non-technical and comprehensive, this textbook shows final year undergraduate students and postgraduate students of Cyber Security Management, as well as reflective practitioners, how to adopt a pro-active approach to the management of cyber security. Online resources include PowerPoint slides, an instructor's manual and a test bank of questions.

Research Anthology on Privatizing and Securing Data Jul 28 2022 With the immense amount of data that is now available online, security concerns have been an issue from the start, and have grown as new technologies are increasingly integrated in data collection, storage, and transmission. Online cyber threats, cyber terrorism, hacking, and other cybercrimes have begun to take advantage of this information that can be easily accessed if not properly handled. New privacy and security measures have been developed to address this cause for concern and have become an essential area of research within the past few years and into the foreseeable future. The ways in which data is secured and privatized should be discussed in terms of the technologies being used, the methods and models for security that have been developed, and the ways in which risks can be detected, analyzed, and mitigated. The Research Anthology on Privatizing and Securing Data reveals the latest tools and technologies for privatizing and securing data across different technologies and industries. It takes a deeper dive into both risk detection and mitigation, including an analysis of cybercrimes and cyber threats, along with a sharper focus on the technologies and methods being actively implemented and utilized to secure data online. Highlighted topics include information governance and privacy, cybersecurity, data protection, challenges in big data, security threats, and more. This book is essential for data analysts, cybersecurity professionals, data scientists, security analysts, IT specialists, practitioners, researchers, academicians, and

students interested in the latest trends and technologies for privatizing and securing data. **Applying Business Intelligence Initiatives in Healthcare and Organizational Settings** Sep 29 2022 Data analysis is an important part of modern business administration, as efficient compilation of information allows managers and business leaders to make the best decisions for the financial solvency of their organizations. Understanding the use of analytics, reporting, and data mining in everyday business environments is imperative to the success of modern businesses. Applying Business Intelligence Initiatives in Healthcare and Organizational Settings incorporates emerging concepts, methods, models, and relevant applications of business intelligence systems within problem contexts of healthcare and other organizational boundaries. Featuring coverage on a broad range of topics such as rise of embedded analytics, competitive advantage, and strategic capability, this book is ideally designed for business analysts, investors, corporate managers, and entrepreneurs seeking to advance their understanding and practice of business intelligence.

Advances in Production Management Systems. The Path to Intelligent, Collaborative and Sustainable Manufacturing Feb 08 2021 The two-volume set IFIP AICT 513 and 514 constitutes the refereed proceedings of the International IFIP WG 5.7 Conference on Advances in Production Management Systems, APMS 2017, held in Hamburg, Germany, in September 2017. The 121 revised full papers presented were carefully reviewed and selected from 163 submissions. They are organized in the following topical sections: smart manufacturing system characterization; product and asset life cycle management in smart factories of industry 4.0; cyber-physical (IIoT) technology deployments in smart manufacturing systems; multi-disciplinary collaboration in the development of smart product-service solutions; sustainable human integration in cyber-physical systems: the operator 4.0; intelligent diagnostics and maintenance solutions; operations planning, scheduling and control; supply chain design; production management in food supply chains; factory planning; industrial and other services; operations management in engineer-to-order manufacturing; gamification of complex systems design development; lean and green manufacturing; and eco-efficiency in manufacturing operations.

Management of risk Mar 24 2022 Downlaodable PDF (ISBN 9780113312757) also available

Construction Management Dec 29 2019 The construction industry faces continual challenges and demands, due to market conditions and coercion by governments, for improvements in safety, quality and cost control, and in the avoidance of contractual disputes. To meet these challenges construction enterprises need to constantly seek new directions and business models in construction management. A number of tools, methods and concepts have been developed and advocated as aids to achieving improved performance, but many in the industry find them confusing or are sceptical of their relevance. The third edition of Construction Management: New Directionsbrings together, in a single volume, detailed discussion of a range of contemporary management concepts which are relevant to the construction industry, including strategic management; benchmarking; reengineering; partnering and alliancing; enterprise risk management; total safety management; total quality management; value management and constructability. It provides a straightforward, accessible and objective account of these concepts, showing how they interrelate and can be used to improve the performance of the construction firm. This research based text will be essential reading for industry leaders and practitioners, as well as researchers, postgraduate and senior undergraduate students. From a review of previous editions I am in no doubt that this book will quickly become a favourite among students and practitioners alike —Construction Manager *Research and Advanced Technology for Digital Libraries* Jun 26 2022 This book constitutes the proceedings of the 21st International Conference on Theory and Practice of Digital Libraries, TPDL 2017, held in Thessaloniki, Greece, in September 2017. The 39 full papers, 11 short papers, and 10 poster papers

presented in this volume were carefully reviewed and selected from 106 submissions. In addition the book contains 7 doctoral consortium papers. The contributions are organized in topical sections named: linked data; corpora; data in digital libraries; quality in digital libraries; digital humanities; entities; scholarly communication; sentiment analysis; information behavior; information retrieval.

CERT Resilience Management Model (CERT-RMM) Dec 01 2022 CERT® Resilience Management Model (CERT-RMM) is an innovative and transformative way to manage operational resilience in complex, risk-evolving environments. CERT-RMM distills years of research into best practices for managing the security and survivability of people, information, technology, and facilities. It integrates these best practices into a unified, capability-focused maturity model that encompasses security, business continuity, and IT operations. By using CERT-RMM, organizations can escape silo-driven approaches to managing operational risk and align to achieve strategic resilience management goals. This book both introduces CERT-RMM and presents the model in its entirety. It begins with essential background for all professionals, whether they have previously used process improvement models or not. Next, it explains CERT-RMM's Generic Goals and Practices and discusses various approaches for using the model. Short essays by a number of contributors illustrate how CERT-RMM can be applied for different purposes or can be used to improve an existing program. Finally, the book provides a complete baseline understanding of all 26 process areas included in CERT-RMM. Part One summarizes the value of a process improvement approach to managing resilience, explains CERT-RMM's conventions and core principles, describes the model architecturally, and shows how itsupports relationships tightly linked to your objectives. Part Two focuses on using CERT-RMM to establish a foundation for sustaining operational resilience management processes in complex environments where risks rapidly emerge and change. Part Three details all 26 CERT-RMM process areas, from asset definition through vulnerability resolution. For each, complete descriptions of goals and practices are presented, with realistic examples. Part Four contains appendices, including Targeted Improvement Roadmaps, a glossary, and other reference materials. This book will be valuable to anyone seeking to improve the mission assurance of high-value services, including leaders of large enterprise or organizational units, security or business continuity specialists, managers of large IT operations, and those using methodologies such as ISO 27000, COBIT, ITIL, or CMMI.

Determining Sexual Maturity in White Sturgeon (Acipenser Transmontanus) to Maximize Yield and Quality of Caviar Sep 05 2020
A Systems Approach to Managing the Complexities of Process Industries Jul 04 2020

A Systems Approach to Managing the Complexities of Process Industries discusses the principles of system engineering, system thinking, complexity thinking and how these apply to the process industry, including benefits and implementation in process safety management systems. The book focuses on the ways system engineering skills, PLM, and IIoT can radically improve effectiveness of implementation of the process safety management system. Covering lifecycle, megaproject system engineering, and project management issues, this book reviews available tools and software and presents the practical web-based approach of Analysis & Dynamic Evaluation of Project Processes (ADEPP) for system engineering of the process manufacturing development and operation phases. Key solutions proposed include adding complexity management steps in the risk assessment framework of ISO 31000 and utilization of Installation Lifecycle Management. This study of this end-to-end process will help users improve operational excellence and navigate the complexities of managing a chemical or processing plant. Presents a review of Operational Excellence and Process Safety Management Methods, along with solutions to complexity assessment and management Provides a comparison of the process manufacturing industry with discrete manufacturing, identifying similarities and areas of customization for process manufacturing Discusses key solutions for

managing the complexities of process manufacturing development and operational phases

Target-setting Methods and Data Management to Support Performance-based Resource Allocation by Transportation Agencies Apr 12 2021 TRB's National Cooperative Highway Research Program (NCHRP) Report 666: Target Setting Methods and Data Management to Support Performance-Based Resource Allocation by Transportation Agencies - Volume I: Research Report, and Volume II: Guide for Target-Setting and Data Management provides a framework and specific guidance for setting performance targets and for ensuring that appropriate data are available to support performance-based decision-making. Volume III to this report was published separately in an electronic-only format as NCHRP Web-Only Document 154. Volume III includes case studies of organizations investigated in the research used to develop NCHRP Report 666.

Medical Device Cybersecurity for Engineers and Manufacturers Feb 20 2022 Cybersecurity for medical devices is no longer optional. We must not allow sensationalism or headlines to drive the discussion... Nevertheless, we must proceed with urgency. In the end, this is about preventing patient harm and preserving patient trust. A comprehensive guide to medical device secure lifecycle management, this is a book for engineers, managers, and regulatory specialists. Readers gain insight into the security aspects of every phase of the product lifecycle, including concept, design, implementation, supply chain, manufacturing, postmarket surveillance, maintenance, updates, and end of life. Learn how to mitigate or completely avoid common cybersecurity vulnerabilities introduced during development and production. Grow your awareness of cybersecurity development topics ranging from high-level concepts to practical solutions and tools. Get insight into emerging regulatory and customer expectations. Uncover how to minimize schedule impacts and accelerate time-to-market while still accomplishing the main goal: reducing patient and business exposure to cybersecurity risks. Medical Device Cybersecurity for Engineers and Manufacturers is designed to help all stakeholders lead the charge to a better medical device security posture and improve the resilience of our medical device ecosystem.

Data Governance Success May 26 2022 While good data is an enterprise asset, bad data is an enterprise liability. Data governance enables you to effectively and proactively manage data assets throughout the enterprise by providing guidance in the form of policies, standards, processes and rules and defining roles and responsibilities outlining who will do what, with respect to data. While implementing data governance is not rocket science, it is not a simple exercise. There is a lot confusion around what data governance is, and a lot of challenges in the implementation of data governance. Data governance is not a project or a one-off exercise but a journey that involves a significant amount of effort, time and investment and cultural change and a number of factors to take into consideration to achieve and sustain data governance success. Data Governance Success: Growing and Sustaining Data Governance is the third and final book in the Data Governance series and discusses the following: Data governance perceptions and challenges Key considerations when implementing data governance to achieve and sustain success Strategy and data governance Different data governance maturity frameworks Data governance people and process elements Data governance metrics This book shares the combined knowledge related to data and data governance that the author has gained over the years of working in different industrial and research programs and projects associated with data, processes, and technologies and unique perspectives of Thought Leaders and Data Experts through Interviews conducted. This book will be highly beneficial for IT students, academicians, information management and business professionals and researchers to enhance their knowledge to support and succeed in data governance implementations. This book is technology agnostic and contains a balance of concepts and examples and illustrations making it easy for the readers to understand and relate to their own specific data projects.

Software Engineering Aspects of

Continuous Development and New Paradigms of Software Production and Deployment Sep 25 2019 This book constitutes revised selected papers from the First International Workshop on Software Engineering Aspects of Continuous Development and New Paradigms of Software Production and Deployment, DEVOPS 2018, hled at the hateau de Villebrumier, France, in March 2018. The 17 papers presented in this volume were carefully reviewed and selected from 23 submissions. They cover a wide range of problems arising from Devops and related approaches, current tools, rapid development-deployment processes, effects on team performance, analytics, trustworthiness, microservices and related topics.

Business Process Maturity Mar 31 2020 Organisations face many challenges, which induce them to perform better, and thus to establish mature (or excellent) business processes. As they now face globalisation, higher competitiveness, demanding customers, growing IT possibilities, compliancy rules etc., business process maturity models (BPMMs) have been introduced to help organisations gradually assess and improve their business processes (e.g. CMMI or OMG-BPMM). In fact, there are now so many BPMMs to choose from that organisations risk selecting one that does not fit their needs or one of substandard quality. This book presents a study that distinguishes process management from process orientation so as to arrive at a common understanding. It also includes a classification study to identify the capability areas and maturity types of 69 existing BPMMs, in order to strengthen the basis of available BPMMs. Lastly it presents a selection study to identify criteria for choosing one BPMM from the broad selection, which produced a free online selection tool, BPMM Smart-Selector.

Software Process Improvement and Capability Determination Sep 17 2021 This book constitutes the refereed proceedings of the 17th International Conference on Software Process Improvement and Capability Determination, SPICE 2017, held in Palma de Mallorca, Spain, in October 2017. The 34 full papers presented together with 4 short papers were carefully reviewed and selected from 65 submissions. The papers are organized in the following topical sections: SPI in agile approaches; SPI in small settings; SPI and assessment; SPI and models; SPI and functional safety; SPI in various settings; SPI and gamification; SPI case studies; strategic and knowledge issues in SPI; education issues in SPI.

Information Technology Governance and Service Management: Frameworks and Adaptations May 02 2020 Increasingly, information technology governance is being considered an integral part of corporate governance. There has been a rapid increase in awareness and adoption of IT governance as well as the desire to conform to national governance requirements to ensure that IT is aligned with the objectives of the organization. Information Technology Governance and Service Management: Frameworks and Adaptations provides an in-depth view into the critical contribution of IT service management to IT governance, and the strategic and tactical value provided by effective service management. A must-have resource for academics, students, and practitioners in fields affected by IT in organizations, this work gathers authoritative perspectives on the state of research on organizational challenges and benefits in current IT governance frameworks, adoption, and incorporation.

Building Digital Libraries, Second Edition Jun 14 2021 Whether you're embarking on the challenge of building a digital collection from scratch, or simply need to understand the conceptual and technical challenges of constructing a digital library, this top-to-bottom resource is the ideal guidebook to keep at your side, especially in this thoroughly updated and reworked edition. Demonstrating how resources are created, distributed, and accessed, and how librarians can keep up with the latest technologies for successfully completing these tasks, its chapters walk you step-by-step through every stage. Demystifying core technologies and workflows, this book comprehensively covers needs assessment and planning for a digital repository;choosing a platform;acquiring, processing, classifying, and describing digital content;storing and managing resources in a digital

repository;digital preservation;technologies and standards useful to digital repositories, including XML, the Portland Common Data Model, metadata schema such as Dublin Core, scripting using JSON and REST, linked open data, and automated metadata assignment;sharing data and metadata;understanding information-access issues, including digital rights management; andanalyzing repository use, planning for the future, migrating to new platforms, and accommodating new types of data. This book will thoroughly orient LIS students and others new to the world of digital libraries, and also ensure that current professionals have the knowledge and guidance necessary to construct a digital repository from its inception.

Advances in Production Management Systems. Smart Manufacturing for Industry 4.0 Mar 12 2021 The two-volume set IFIP AICT 535 and 536 constitutes the refereed proceedings of the International IFIP WG 5.7 Conference on Advances in Production Management Systems, APMS 2018, held in Seoul, South Korea, in August 2018. The 129 revised full papers presented were carefully reviewed and selected from 149 submissions. They are organized in the following topical sections: lean and green manufacturing; operations management in engineer-to-order manufacturing; product-service systems, customer-driven innovation and value co-creation; collaborative networks; smart production for mass customization; global

supply chain management; knowledge based production planning and control; knowledge based engineering; intelligent diagnostics and maintenance solutions for smart manufacturing; service engineering based on smart manufacturing capabilities; smart city interoperability and cross-platform implementation; manufacturing performance management in smart factories; industry 4.0 - digital twin; industry 4.0 - smart factory; and industry 4.0 - collaborative cyber-physical production and human systems.

Project Management Maturity Model Jan 28 2020 Assisting organizations in improving their project management processes, the Project Management Maturity Model defines the industry standard for measuring project management maturity.Project Management Maturity Model, Second Edition provides a roadmap showing organizations how to move to higher levels of organizational behavior, improving

Trends and Applications in Software Engineering Oct 19 2021 This book offers a selection of papers from the 2016 International Conference on Software Process Improvement (CIMPS'16), held between the 12th and 14th of October 2016 in Aguascalientes, Aguascalientes, México. The CIMPS'16 is a global forum for researchers and practitioners to present and discuss the most recent innovations, trends, results, experiences and concerns in the different aspects of software engineering with a focus on, but not limited to,

software processes, security in information and communication technology, and big data. The main topics covered include: organizational models, standards and methodologies, knowledge management, software systems, applications and tools, information and communication technologies and processes in non-software domains (mining, automotive, aerospace, business, health care, manufacturing, etc.) with a clear focus on software process challenges.

Security Operations Center Aug 24 2019 Security Operations Center Building, Operating, and Maintaining Your SOC The complete, practical guide to planning, building, and operating an effective Security Operations Center (SOC) Security Operations Center is the complete guide to building, operating, and managing Security Operations Centers in any environment. Drawing on experience with hundreds of customers ranging from Fortune 500 enterprises to large military organizations, three leading experts thoroughly review each SOC model, including virtual SOCs. You'll learn how to select the right strategic option for your organization, and then plan and execute the strategy you've chosen. Security Operations Center walks you through every phase required to establish and run an effective SOC, including all significant people, process, and technology capabilities. The authors assess SOC technologies, strategy, infrastructure, governance, planning, implementation, and more. They take a holistic approach considering

various commercial and open-source tools found in modern SOCs. This best-practice guide is written for anybody interested in learning how to develop, manage, or improve a SOC. A background in network security, management, and operations will be helpful but is not required. It is also an indispensable resource for anyone preparing for the Cisco SCYBER exam. · Review high-level issues, such as vulnerability and risk management, threat intelligence, digital investigation, and data collection/analysis · Understand the technical components of a modern SOC · Assess the current state of your SOC and identify areas of improvement · Plan SOC strategy, mission, functions, and services · Design and build out SOC infrastructure, from facilities and networks to systems, storage, and physical security · Collect and successfully analyze security data · Establish an effective vulnerability management practice · Organize incident response teams and measure their performance · Define an optimal governance and staffing model · Develop a practical SOC handbook that people can actually use · Prepare SOC to go live, with comprehensive transition plans · React quickly and collaboratively to security incidents · Implement best practice security operations, including continuous enhancement and improvement

E-business In The 21st Century: Essential Topics And Studies (Second Edition) Apr 24 2022 In the world of internet, wide adoption of computing devices dramatically reduces storage costs with easy access to huge amount of data, thus posing benefits and challenges to e-business amongst organizations.This unique compendium covers current status and practices of e-business among organizations, their challenges and future directions. It also includes studies of different perspectives and markets of e-business.The must-have volume will be a good reference text for professionals and organizations who are updating their e-business knowledge/skills and planning their e-business initiatives.

Knowledge Management in Organisations Dec 21 2021 This book contains the refereed proceedings of the 16th International Conference on Knowledge Management in Organizations, KMO 2022, held in Hagen, Germany, in July 2022. The 24 full papers and 5 short papers accepted for KMO 2022 were selected from 61 submissions and are organized in topical sections on: knowledge transfer and sharing; knowledge and organization; knowledge and service innovation; industry 4.0; information and knowledge systems; intelligent science; AI and new trends in KM.

Intelligent Manufacturing Jun 02 2020 This book introduces intelligent manufacturing system planning, design, and implementation, through the deep integration of the Internet, big data, artificial intelligence, and manufacturing process, to promote the transformation and upgrading of enterprises.

This book shows the implementation of intelligent manufacturing process with 12 benchmarking enterprises, discusses the planning, implementation, and control of intelligent manufacturing system technology and method of theory, and analyzes the five hierarchies of intelligent manufacturing system, the five stages of life cycle, and five kinds of intelligent depth. The content can cultivate the reader's vocational ability to develop intelligent solutions and implementation based on complex, uncertain environment needs. This book will be interesting and useful to a wide readership in the various fields of management, information science, and engineering science.

Fraud Investigation Reports in Practice Jan 10 2021 Investigation reports are written by fraud examiners after completion of internal reviews in client organizations when there was suspicion of financial wrongdoing. Fraud examiners are expected to answer questions regarding what happened, when it happened, how it happened, and why. This book presents a number of case studies of investigation reports by fraud examiners, offering a framework for studying the report as well as insights into convenience of fraud. The case studies, including KPMG and PwC, focus on two important subjects. First, convenience themes are identified for each case. Themes derive from the theory of convenience, where fraud is a result of financial motives, organizational opportunities, and personal willingness for deviant behaviors. Second, review maturity is

identified for each case. Review maturity derives from a stages-of-growth model, where the investigation is assigned a level of maturity based on explicit criteria. The book provides useful insights towards approaching fraud examinations to enable better understanding of the rational explanations for corporate fraud. The book is framed from the perspective of private policing, which contextualizes how investigation reports are examined. This book is a valuable resource for scholars and upper-level students researching and studying auditing and investigation work in the corporate and public sectors. Business and management as well as criminal justice scholars and students will learn from the case studies how to frame a white-collar crime incident by application of convenience theory and how to evaluate a completed internal investigation by fraud examiners.

Smart Cities, Green Technologies, and Intelligent Transport Systems Nov 27 2019 This book constitutes the thoroughly refereed post-conference proceedings of the 5th International Conference on Smart Cities and Green ICT Systems, SMARTGREENS 2016, and the Second International Conference on Vehicle Technology and Intelligent Transport Systems, VEHITS 2016, held in Rome, Italy, in April 2016. The 11 full papers of SMARTGREENS 2016 presented were carefully reviewed and selected from 72 submissions. VEHITS 2016 received 49 paper submissions from which 5 papers were selected and published in this book. The papers reflect topics such as smart cities, energy-aware systems and technologies, sustainable computing and communications, sustainable transportation and smart mobility.

Cyber Security and Global Information Assurance: Threat Analysis and Response Solutions Aug 17 2021 "This book provides a valuable resource by addressing the most pressing issues facing cyber-security from both a national and global perspective"--Provided by publisher.

Digital Libraries for Open Knowledge Nov 19 2021 This book constitutes the proceedings of the 22nd International Conference on Theory and Practice of Digital Libraries, TPDL 2018, held in Porto, Portugal, in September 2018. The 51 full papers, 17 short papers, and 13 poster and tutorial papers presented in this volume were carefully reviewed and selected from 81 submissions. The general theme of TPDL 2018 was Digital Libraries for Open Knowledge. The papers present a wide range of the following topics: Metadata, Entity Disambiguation, Data Management, Scholarly Communication, Digital Humanities, User Interaction, Resources, Information Extraction, Information Retrieval, Recommendation.

Diverse Applications and Transferability of Maturity Models Oct 31 2022 Previously, professionals had to make judgment calls based on subjective criteria, including their own acumen, in their decision making. In order to combat this subjectivity, maturity models can be implemented to allow organizations a means of assessing everyday processes and to offer a path towards advancement using transparent objective criteria. Diverse Applications and Transferability of Maturity Models is a pivotal reference source that provides vital research on the application of maturity models in organizational development in a variety of work environments. While highlighting topics such as open government, archives and records management, enterprise content management, and digital economy, this publication explores methods to help organizations effectively implement plans in any given management system. This book is ideally designed for professionals and researchers seeking current research on a variety of social science and applied science fields including business studies, computer science, digital preservation, information governance, information science, information systems, public administration, records management, and project management.