



foundations, and applications of self-adaptation in software-intensive systems. It places self-adaptation in the context of techniques like uncertainty management, feedback control, online reasoning, and machine learning while acknowledging the growing consensus in the software engineering community that self-adaptation will be a crucial enabling feature in tackling the challenges of new, emerging, and future systems. The author combines cutting-edge technical research with basic principles and real-world insights to create a practical and strategically effective guide to self-adaptation. He includes features such as: An analysis of the foundational engineering principles and applications of self-adaptation in different domains, including the Internet-of-Things, cloud computing, and cyber-physical systems End-of-chapter exercises at four different levels of complexity and difficulty An accompanying author-hosted website with slides, selected exercises and solutions, models, and code Perfect for researchers, students, teachers, industry leaders, and practitioners in fields that directly or peripherally involve software engineering, as well as those in academia involved in a class on self-adaptivity, this book belongs on the shelves of anyone with an interest in the future of software and its engineering.

Trust in the Age of Entanglement

Concepts and Techniques

Information security technology - Personal information security specification [Tips: BUY here & GET online-reading at GOOGLE. Then, if you need unprotected-PDF for offline-reading, WRITE to Wayne: Sales@ChineseStandard.net]

The Risk-Based Approach to Data Protection

Non-Invasive Data Governance

Getting from Policy to Code to QA to Value

An Introduction to Privacy Engineering and Risk Management in Federal Systems

Smaller companies are abundant in the business realm and outnumber large companies by a wide margin. To maintain a competitive edge against other businesses, companies must ensure the most effective strategies and procedures are in place. This is particularly critical in smaller business environments that have fewer resources. Start-Ups and SMEs: Concepts, Methodologies, Tools, and Applications is a vital reference source that examines the strategies and concepts that will assist small and medium-sized enterprises to achieve competitiveness. It also explores the latest advances and developments for creating a system of shared values and beliefs in small business environments. Highlighting a range of topics such as entrepreneurship, innovative behavior, and organizational sustainability, this multi-volume book is ideally designed for entrepreneurs, business managers, executives, managing directors, academicians, business professionals, researchers, and graduate-level students.

Gaining access to high-quality data is a vital necessity in knowledge-based decision making. But data in its raw form often contains sensitive information about individuals. Providing solutions to this problem, the methods and tools of privacy-preserving data publishing enable the publication of useful information while protecting data privacy. Introduction to Privacy-Preserving Data Publishing: Concepts and Techniques presents state-of-the-art information sharing and data integration methods that take into account privacy and data mining requirements. The first part of the book discusses the fundamentals of the field. In the second part, the authors present anonymization methods for preserving information utility for specific data mining tasks. The third part examines the privacy issues, privacy models, and anonymization methods for realistic and challenging data publishing scenarios. While the first three parts focus on anonymizing relational data, the last part studies the privacy threats, privacy models, and anonymization methods for complex data, including transaction, trajectory, social network, and textual data. This book not only explores privacy and information utility issues but also efficiency and scalability challenges. In many chapters, the authors highlight efficient and scalable methods and provide an analytical discussion to compare the strengths and weaknesses of different solutions.

This textbook provides a unique lens through which the myriad of existing Privacy Enhancing Technologies (PETs) can be easily comprehended and appreciated. It answers key privacy-centered questions with clear and detailed explanations. Why is privacy important? How and why is your privacy being eroded and what risks can this pose for you? What are some tools for protecting your privacy in online environments? How can these tools be understood, compared, and evaluated? What steps can you take to gain more control over your personal data? This book addresses the above questions by focusing on three fundamental elements: It introduces a simple classification of PETs that allows their similarities and differences to be highlighted and analyzed; It describes several specific PETs in each class, including both foundational technologies and important recent additions to the field; It explains how to use this classification to determine which privacy goals are actually achievable in a given real-world environment. Once the goals are known, this allows the most appropriate PETs to be selected in order to add the desired privacy protection to the target environment. To illustrate, the book examines the use of PETs in conjunction with various security technologies, with the legal infrastructure, and with communication and computing technologies such as Software Defined Networking (SDN) and Machine Learning (ML). Designed as an introductory textbook on PETs, this book is essential reading for graduate-level students in computer science and related fields, prospective PETs researchers, privacy advocates, and anyone interested in technologies to protect privacy in online environments.

A Firsthand Look at the Role of the Industrial Engineer The industrial engineer helps decide how best to utilize an organization ' s resources to achieve company goals and objectives. Introduction to Industrial Engineering, Second Edition offers an in-depth analysis of the industrial engineering profession. While also providing a historical perspective chronicling the development of the profession, this book describes the standard duties performed, the tools and terminologies used, and the required methods and processes needed to complete the tasks at hand. It also defines the industrial engineer ' s main areas of operation, introduces the topic of information systems, and discusses their importance in the work of the industrial engineer. The authors explain the information system concept, and the need for integrated processes, supported by modern information systems. They also discuss classical organizational structures (functional organization, project organization, and matrix organization), along with the advantages and disadvantages of their use. The book includes the technological aspects (data collection technologies, databases, and decision-support areas of information systems), the logical aspects (forecasting models and their use), and aspects of principles taken from psychology, sociology, and ergonomics that are commonly used in the industry. What ' s New in this Edition: The second edition introduces fields that are now becoming a part of the industrial engineering profession, alongside conventional areas (operations management, project management, quality management, work measurement, and operations research). In addition, the book: Provides an understanding of current pathways for professional development Helps students decide which area to specialize in during the advanced stages of their studies Exposes students to ergonomics used in the context of workspace design Presents key factors in human resource management Describes frequently used methods of teaching in the field Covers basic issues relative to ergonomics and human-machine interface Introduces the five basic processes that exist in many organizations Introduction to Industrial Engineering, Second Edition establishes industrial engineering as the organization of people and resources, describes the development and nature of the profession, and is easily accessible to anyone needing to learn the basics of industrial engineering. The book is an indispensable resource for students and industry professionals.

Creating Safe Data

Introduction to Privacy-Preserving Data Publishing

Software Product Quality Control

Introduction to Industrial Engineering

Journal of Law and Cyber Warfare Volume 6, Issue 1

Communication Networks and Services

Privacy and Identity Management. Between Data Protection and Security

This book constitutes the thoroughly refereed post-conference proceedings of the 4th International Workshop on the Security of Industrial Control Systems and Cyber-Physical Systems, CyberICPS 2018, and the Second International Workshop on Security and Privacy Requirements Engineering, SECPRE 2018, held in Barcelona, Spain, in September 2018, in conjunction with the 23rd European Symposium on Research in Computer Security, ESORICS 2018. The CyberICPS Workshop received 15 submissions from which 8 full papers were selected for presentation. They cover topics related to threats, vulnerabilities and risks that cyber-physical systems and industrial control systems face; cyber attacks that may be launched against such systems; and ways of detecting and responding to such attacks. From the SECPRE Workshop 5 full papers out of 11 submissions are included. The selected papers deal with aspects of security and privacy requirements assurance and evaluation; and security requirements elicitation and modelling.

Data-governance programs focus on authority and accountability for the management of data as a valued organizational asset. Data Governance should not be about command-and-control, yet at times could become invasive or threatening to the work, people and culture of an organization. Non-Invasive Data Governance™ focuses on formalizing existing accountability for the management of data and improving formal communications, protection, and quality efforts through effective stewarding of data resources. Non-Invasive Data Governance will provide you with a complete set of tools to help you deliver a successful data governance program. Learn how: • Steward responsibilities can be identified and recognized, formalized, and engaged according to their existing responsibility rather than being assigned or handed to people as more work. • Governance of information can be applied to existing policies, standard operating procedures, practices, and methodologies, rather than being introduced or emphasized as new processes or methods. • Governance of information can support all data integration, risk management, business intelligence and master data management activities rather than imposing inconsistent rigor to these initiatives. • A

practical and non-threatening approach can be applied to governing information and promoting stewardship of data as a cross-organization asset. • Best practices and key concepts of this non-threatening approach can be communicated effectively to leverage strengths and address opportunities to improve.

Introduction to Privacy Enhancing Technologies

Introduction to Engineering Statistics and Lean Sigma

Introduction to IT Privacy