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The Internet Encyclopedia, Volume 3 (P - Z) Springer Science & Business Media
The four-volume set LNCS 13350, 13351, 13352, and 13353 constitutes the proceedings of the 22ndt International Conference on Computational Science, ICCS 2022, held in London, UK, in June 2022.* The total of 175 full papers and 78 short papers presented in this book set were carefully reviewed and selected from 474 submissions. 169 full and 36 short papers were accepted to the main track; 120 full and 42 short papers were accepted to the workshops/ thematic tracks. *The conference was held in a hybrid format

Hands-On Value-at-Risk and Expected Shortfall IGI Global
Originally published: Upper Saddle River, NJ: Addison-Wesley, 2006 under title: Software engineering with Microsoft Visual studio team system.

Business-Oriented Enterprise Integration for Organizational Agility Springer
"This 10-volume compilation of authoritative, research-based articles contributed by thousands of researchers and experts from all over the world emphasized modern issues and the presentation of potential opportunities, prospective solutions, and future directions in the field of information science and technology"--Provided by publisher.

Computers as Components IGI Global
In 2007 INTEROP-VLab defined Enterprise Interoperability as “the ability of an enterprise system or application to interact with others at a low cost with a flexible approach”. Enterprise Interoperability VI brings together a peer reviewed selection of over 40 papers, ranging from academic research through case studies to industrial and administrative experience of interoperability. It shows how, in a scenario of globalised markets, the capacity to cooperate with other firms efficiently becomes essential in order to remain in the market in an economically, socially and environmentally cost-effective manner, and that the most innovative enterprises are beginning to redesign their business model to become interoperable. This goal of interoperability is vital, not only from the perspective of the individual enterprise but also in the new business structures that are now emerging, such as supply chains, virtual enterprises, interconnected organisations or extended enterprises, as well as in mergers and acquisitions. Establishing efficient and relevant collaborative situations requires managing interoperability from a dynamic perspective: a relevant and efficient collaboration of organizations might require adaptation to remain in line with potentially changing objectives, evolving resources, and unexpected events, for example. Many of the papers contained in this, the seventh volume of Proceedings of the I-ESA Conferences have examples and illustrations calculated to deepen understanding and generate new ideas. The I-ESA’14 Conference is jointly organised by Ecole des Mines Albi-Carmaux, on behalf of PGSO, and the European Virtual Laboratory for Enterprise Interoperability (INTEROP-VLab) and supported by the International Federation for Information Processing (IFIP). A concise reference to the state of the art in systems interoperability, Enterprise Interoperability VI will be of great value to engineers and computer scientists working in manufacturing and other process industries and to software engineers and electronic and manufacturing engineers working in the academic environment.

Reliability, Maintainability, and Safety for Engineers IGI Global
This comprehensive resource provides systems engineers and practitioners with the analytic, design and modeling tools of the Model-Based Systems Engineering (MBSE) methodology of Integrated Systems Engineering (ISE) and Pipelines of Processes in Object Oriented Architectures (PPOOA) methodology. This methodology integrates model based systems and software engineering approaches for the development of complex products, including aerospace, robotics and energy domains applications. Readers learn how to synthesize physical architectures using design heuristics and trade-off analysis. The book provides information about how to identify, classify and specify the system requirements of a new product or service. Using Systems Modeling Language (SysML) constructs, readers will be able to apply ISE & PPOOA methodology in the engineering activities of their own systems.

Information Systems Reengineering for Modern Business Systems: ERP, Supply Chain and E-Commerce Management Solutions Springer Science & Business Media
Fundamental Economic Principles, Methods, and Tools for Addressing Human Systems Integration Issues and Tradeoffs Human Systems Integration (HSI) is a new and fundamental integrating discipline designed to help move business and engineering cultures toward more human-centered systems. Integrating consideration of human abilities, limitations, and preferences into engineering systems yields important cost and performance benefits that otherwise would not have been accomplished. In order for this new discipline to be effective, however, a cultural change—starting with organizational leadership—is often necessary. The Economics of Human Systems Integration explains the difficulties underlying valuation of investments in people's training and education, safety and health, and work productivity. It provides an overview of how the field of economics addresses these difficulties, focusing on human issues associated with design, development, production,

operations, maintenance, and sustainment of complex systems. The set of thought leaders recruited as contributors to this volume collectively provides a compelling set of data and principles for assessing the economic value of investing in people, not just in general but in specific investment situations. The early chapters provide the contexts for HSI and investment analysis, illustrating the enormous difference context makes in how issues are best framed and analyzed. A host of practical methods and tools for investment valuation are then presented. Provided are: A variety of real-world applications of economic analysis ranging from military acquisition and automotive investment to healthcare and high-tech investments in general, in both the U.S. and abroad A range of economics-based methods and tools for cost analysis, cost-benefit analysis, and investment analysis, as well as sources of data for performing such analyses Differing perspectives on economic decision-making, including a range of private sector points of view, as well as government and regulatory perspectives In addition, five real-world case studies illustrate how such valuations have been done and their major impacts on investment decisions. HSI professionals, systems engineers, and finance professionals who address investment analysis will appreciate the wide range of methods and real-life applications; senior undergraduates and masters-level graduate students will find this to be an excellent textbook that provides theory and supports practice.

Practical Model-Based Systems Engineering John Wiley & Sons

The importance of benchmarking in the service sector is well recognized as it helps in continuous improvement in products and work processes. Through benchmarking, companies have strived to implement best practices in order to remain competitive in the product- market in which they operate. However studies on benchmarking, particularly in the software development sector, have neglected using multiple variables and therefore have not been as comprehensive. Information Theory and Best Practices in the IT Industry fills this void by examining benchmarking in the business of software development and studying how it is affected by development process, application type, hardware platforms used, and many other variables. Information Theory and Best Practices in the IT Industry begins by examining practices of benchmarking productivity and critically appraises them. Next the book identifies different variables which affect productivity and variables that affect quality, developing useful equations that explaining their relationships. Finally these equations and findings are applied to case studies. Utilizing this book, practitioners can decide about what emphasis they should attach to different variables in their own companies, while seeking to optimize productivity and defect density.

Enterprise Interoperability VI IGI Global

The authors explain the underlying software development principles behind theRUP, and guide readers in its application in their organization.

Information Theory and Best Practices in the IT Industry IGI Global

This reference examines theengineeringof both natural and human-made systems and theanalysisof those systems. For the engineering of systems, the authors emphasize the process of bringing systems into being. Regarding analysis, they explore the improvement of systems already in existence.Includes a wealth of new and revised figures throughout. Features significant revisions and new material on Bringing Systems Into Being (Ch. 2); Conceptual Design (Ch. 3); Design For Supportability (Ch. 15); Design For Affordability - Life-Cycle Costing (Ch. 17). Adds material on the integration of design disciplines in the systems engineering. Concludes each chapter with new Summary Extensions. Provides a new supplier evaluation checklist. Includes a new appendix that lists 35 key related web sites.A useful reference for electrical, electronic, and automotive engineers, as well as professionals in the aeronautics, astronautics, and manufacturing industries.

Handbook of Research on Technology Project Management, Planning, and Operations Springer Nature

Computer systems have become an important element of the world economy, with billions of dollars spent each year on development, manufacture, operation, and maintenance. Combining coverage of computer system reliability, safety, usability, and other related topics into a single volume, Computer System Reliability: Safety and Usability eliminates the need to consult many different and diverse sources in the hunt for the information required to design better computer systems. After presenting introductory aspects of computer system reliability such as safety, usability-related facts and figures, terms and definitions, and sources for obtaining useful information on computer system reliability, safety, and usability, the book: Reviews mathematical concepts considered useful to understanding subsequent chapters Presents various introductory aspects of reliability, safety, and usability and computer system reliability basics Covers software reliability assessment and improvement methods Discusses important aspects of software quality and human error and software bugs in computer systems Highlights software safety and Internet reliability Details important aspects of software usability including the need for considering usability during the software development phase, software usability engineering process, software usability inspection methods, software usability test methods, and guidelines for conducting software usability testing Elucidates web usability facts and figures, common design errors, web page design, tools for evaluating web usability, and questions to evaluate website message communication effectiveness Examines important aspects of computer system life cycle costing Written by systems reliability expert B.S. Dhillon, the book is accessible to all levels of readership, making it useful to beginners and seasoned professionals alike. Reflecting practical trends in computer engineering especially in the area of software, Dhillon emphasizes the importance of usability in software systems and expands reliability to web usability and management. It provides methods for designing systems with increased reliability, safety, and usability.

Applied Safety for Engineers Springer Science & Business Media

"This book presents quality articles focused on key issues concerning the management and utilization of information technology"--Provided by publisher.

System Engineering Management CRC Press

This book constitutes the second part of the refereed proceedings of the Third International Conference, IC3 2010, held in Noida, India, in August 2010. The 23 revised full papers presented were carefully reviewed and selected from

numerous submissions.

Agile Software Engineering with Visual Studio CRC Press

Businesses must constantly adapt to a dynamically changing environment that requires choosing an adaptive and dynamic information architecture that has the flexibility to support both changes in the business environment and changes in technology. In general, information systems reengineering has the objective of extracting the contents, data structures, and flow of data and process contained within existing legacy systems in order to reconstitute them into a new form for subsequent implementation. Information Systems Reengineering for Modern Business Systems: ERP, Supply Chain and E-Commerce Management Solutions covers different techniques that could be used in industry in order to reengineer business processes and legacy systems into more flexible systems capable of supporting modern trends such as Enterprise Resource Planning (ERP), supply chain management systems and e-commerce. This reference book also covers other issues related to the reengineering of legacy systems, which include risk management and obsolescence management of requirements.

Measuring Information Systems Delivery Quality Addison-Wesley Professional

"This book provides a compendium of terms, definitions and explanations of concepts, processes and acronyms that reflect the growing trends, issues, and applications of technology project management"--Provided by publisher.

Serpent: Saddle User's Guide Morgan Kaufmann

The Internet Encyclopedia in a 3-volume reference work on the internet as a business tool, IT platform, and communications and commerce medium.

Starting Digital Signal Processing in Telecommunication Engineering Artech House

In recent years, the science of managing and analyzing large datasets has emerged as a critical area of research. In the race to answer vital questions and make knowledgeable decisions, impressive amounts of data are now being generated at a rapid pace, increasing the opportunities and challenges associated with the ability to effectively analyze this data.

Encyclopedia of Information Science and Technology, Third Edition IGI Global

Ongoing advancements in modern technology have led to significant developments in intelligent systems. With the numerous applications available, it becomes imperative to conduct research and make further progress in this field. Intelligent Systems: Concepts, Methodologies, Tools, and Applications contains a compendium of the latest academic material on the latest breakthroughs and recent progress in intelligent systems. Including innovative studies on information retrieval, artificial intelligence, and software engineering, this multi-volume book is an ideal source for researchers, professionals, academics, upper-level students, and practitioners interested in emerging perspectives in the field of intelligent systems.

Developing and Enhancing Teamwork in Organizations John Wiley & Sons

"This book explores technical integration challenges with a focus on identifying a viable solution on how to enable rich, flexible, and responsive information links, in support of the changing business operations across organizations"--Provided by publisher.

Perspectives and Techniques for Improving Information Technology Project Management Springer Nature

Developing and Enhancing Teamwork in Organizations Today ' s team-based organizations face an unprecedented range of challenges. Many teams reflect the diversity of its members which vary in experience, education, and training. To add to the complexity, teams often include people who are not in the same room together, are geographically dispersed, and are connected only by electronic media. Developing and Enhancing Teamwork in Organizations is a volume in the SIOP Professional Practice Series that brings together leading edge practitioners and academics who share their knowledge about effective teamwork. The book contains evidence-based guidelines designed to offer practitioners advice, recommendations, and strategies for developing and sustaining teams that consistently function at peak performance. With contributions from leading experts in the field, this important resource covers team-based performance approaches from a wide range of activities and industries. For example, the volume explores team work in the NASA organization supporting astronauts, superior performance in football, and also in the military and industry. In addition, the contributors include information concerning healthcare organizations and their delivery of vital services. Each illustrative example reviews the lessons learned and the principles and the findings that were most influential when composing and managing a particular work team. International in scope, the volume clearly shows what it takes for team-based organizations to excel in the 21st Century. A division of the American Psychological Association and established in 1945, the Society for Industrial and Organizational Psychology (SIOP) is the premier association for professionals charged with enhancing human well-being and performance in organizational and work settings. SIOP has more than 7,000 members.

True Triaxial Testing of Rocks CRC Press

This is the first book ever published on the problems of true triaxial testing of rocks addressing all aspects of true triaxial testing of rocks, including: (i) true triaxial testing techniques and procedures; (ii) test results: strength, deformability, failure mode, permeability, acoustic emission, and elastic wave velocity; (iii) constitutiv