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KEY=IMPROVING - CUNNINGHAM CAMILA

Continuous Integration

Improving Software Quality and Reducing Risk

Pearson Education For any software developer who has spent days in "integration hell," cobbling together myriad software components, Continuous Integration: Improving Software Quality and Reducing Risk illustrates how to transform integration from a necessary evil into an everyday part of the development process. The key, as the authors show, is to integrate regularly and often using continuous integration (CI) practices and techniques. The authors first examine the concept of CI and its practices from the ground up and then move on to explore other effective processes performed by CI systems, such as database integration, testing, inspection, deployment, and feedback. Through more than forty CI-related practices using application examples in different languages, readers learn that CI leads to more rapid software development, produces deployable software at every step in the development lifecycle, and reduces the time between defect introduction and detection, saving time and lowering costs. With successful implementation of CI, developers reduce risks and repetitive manual processes, and teams receive better project visibility. The book covers How to make integration a "non-event" on your software development projects How to reduce the amount of repetitive processes you perform when building your software Practices and techniques for using CI effectively with your teams Reducing the risks of late defect discovery, low-quality software, lack of visibility, and lack of deployable software Assessments of different CI servers and related tools on the market The book's companion Web site, www.integratebutton.com, provides updates and code examples.

Continuous Integration

Pearson Education India

New Perspectives in Software Engineering

Proceedings of the 9th International Conference on Software Process Improvement (CIMPS 2020)

Springer Nature This book contains a selection of papers from the 2020 International Conference on Software Process Improvement (CIMPS 20), held between the 21st and 23rd of October in Mazatlán, Sinaloa, México. The CIMPS 20 is a global forum for researchers and practitioners that present and discuss the most recent innovations, trends, results, experiences and concerns in the several perspectives of Software Engineering with clear relationship but not limited to software processes, Security in Information and Communication Technology and Big Data Field. The main topics covered are: Organizational Models, Standards and Methodologies, Software Process Improvement, 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 demonstrated relationship to Software Engineering Challenges.

Enterprise Information Systems and Implementing IT

Infrastructures: Challenges and Issues

Challenges and Issues

IGI Global "This book aims at identifying potential research problems and issues in the EIS such as Enterprise Resource Planning (ERP), Supply Chain Management (SCM), and Customer Relationship Management (CRM)"--Provided by publisher.

Systems, Software and Services Process Improvement

28th European Conference, EuroSPI 2021, Krems, Austria, September 1–3, 2021, Proceedings

Springer Nature This volume constitutes the refereed proceedings of the 28th European Conference on Systems, Software and Services Process Improvement, EuroSPI 2021, held in Krems, Austria, in September 2021*. The 42 full papers and 9 short papers presented were carefully reviewed and selected from 100 submissions. The volume presents core research contributions and selected industrial contributions. Core research contributions: SPI and emerging software and systems engineering paradigms; SPI and team skills and diversity; SPI and recent innovations; SPI and agile; SPI and standards and safety and security norms; SPI and good/bad SPI practices in improvement; SPI and functional safety and cybersecurity; digitalisation of industry, infrastructure and e-mobility. Selected industrial contributions: SPI and emerging software and systems engineering paradigms; SPI and recent innovations; SPI and agile; SPI and standards and safety and security norms; SPI and good/bad SPI practices in improvement; SPI and functional safety and cybersecurity; digitalisation of industry, infrastructure and e-mobility; virtual reality. *The conference was partially held virtually due to the COVID-19 pandemic.

Pro Application Lifecycle Management with Visual Studio 2012

Apress You can have the best coders in the world working in your teams, but if your project management isn't up to scratch, your project is almost certain to be delayed, to come in over budget, and in some cases to fail entirely. By taking precise control of your application development process, you can make changes, both large and small, throughout your project's life cycle that will lead to better-quality finished products that are consistently delivered on time and within budget. Application lifecycle management (ALM) is an area of rapidly growing interest within the development community. Because its techniques allow you to deal with the process of developing applications across many areas of responsibility and across many different disciplines, its effects on your project can be wide ranging and pronounced. It is a project management tool that has practical implications for the whole team—from architects to designers, from developers to testers. Pro Application Lifecycle Management with Visual Studio 2012 focuses on the most powerful ALM tool available for the Microsoft .NET Framework: Visual Studio Team Foundation Server. It demonstrates the key concepts and techniques of ALM at first with a guide to the overall methodology, and then delves into architecture and testing--illustrating all of the concepts, tips and tricks using the tools TFS provides. The book serves as a complete guide to the ALM style--with no fluff and many relevant code samples and examples. After reading the book, you will understand how TFS can be used to generate continuous meaningful reporting on your project's health for the decision makers on your team as well as for your project's sponsors.

Product Focused Software Process Improvement

5th International Conference, PROFES 2004, Kansai Science City, Japan, April 5-8, 2004, Proceedings

Springer On behalf of the PROFES organizing committee we are proud to present to you the proceedings of the 5th International Conference on Product Focused Software Process Improvement (PROFES 2004), held in Kansai Science City, Japan. Since 1999, PROFES has established itself as one of the recognized international process improvement conferences. In 2004 the conference left Europe for the first time and moved to Japan. Japan and its neighboring countries are intensifying their efforts to improve software engineering excellence, so it was a logical step to select Japan as the venue for PROFES 2004. The purpose of the conference is to bring to light the most recent findings and results in the area and to stimulate discussion between researchers, experienced professionals, and technology providers. The large number of participants coming from industry confirms that the conference provides a variety of up-to-date topics and tackles industry problems. The main theme of PROFES is professional software process

improvement (SPI) motivated by product and service quality needs. SPI is facilitated by software process assessment, software measurement, process modeling, and technology transfer. It has become a practical tool for quality software engineering and management. The conference addresses both the solutions found in practice and the relevant research results from academia. This is reflected in the 41 full papers, which are a balanced mix of academic papers as well as industrial experience reports.

Advanced Computing and Systems for Security

Volume 2

Springer The book contains the extended version of the works that have been presented and discussed in the Second International Doctoral Symposium on Applied Computation and Security Systems (ACSS 2015) held during May 23-25, 2015 in Kolkata, India. The symposium has been jointly organized by the AGH University of Science & Technology, Cracow, Poland; Ca' Foscari University, Venice, Italy and University of Calcutta, India. The book is divided into volumes and presents dissertation works in the areas of Image Processing, Biometrics-based Authentication, Soft Computing, Data Mining, Next Generation Networking and Network Security, Remote Healthcare, Communications, Embedded Systems, Software Engineering and Service Engineering.

COTS-Based Software Systems

First International Conference, ICCBSS 2002, Orlando, FL, USA, February 4-6, 2002, Proceedings

Springer Modernsoftwaresystemsincreasinglyusecommercial-o?-the-shelf(COTS)so- ware products as building blocks. In some cases, major software systems are assembled with virtually no custom code in the system. The use of COTS software products as components o?ers the promise of rapid delivery to end users, shared development costs with other customers, and an opportunity for expanding mission or business capabilities and performance as improvements are made in the commercial marketplace. Few organizations today can a?ord the resources and time to replicate market-tested capabilities. Yet, the promise of COTS products is too often not realized in practice. There have been more failures than successes in using COTS software products. The research and software practitioner communities have been working with COTS-based software systems for a number of years. There is now su?cient documented experience in the community to collect, analyze, and disseminate success stories, common failings, lessons-learned, and research advances. The mounting experience shows that the e?ective use of COTS software products in major software systems demands new skills, knowledge, and abilities, changed roles and responsibilities, and di?erent techniques and processes. The International Conference on COTS-Based Software Systems (ICCBSS) focuses on the challenges of building and maintaining systems that incorporate COTSsoftwareproducts.Theconferencesponsors,theNationalResearchCo- cil Canada, the Software Engineering Institute, and the University of Southern California Center for Software Engineering, aim to bring together managers, - velopers, maintainers, and researchers to share their expertise and experience.

Software Quality. Increasing Value in Software and Systems Development

5th International Conference, SWQD 2013, Vienna, Austria, January 15-17, 2013, Proceedings

Springer This book constitutes the refereed proceedings of the 5th Software Quality Days Conference (SWQD) held in Vienna, Austria, in January 2013. This professional symposium and conference offers a range of comprehensive and valuable opportunities for advanced professional training, new ideas, and networking with a series of keynote speeches, professional lectures, exhibits, and tutorials. The seven scientific full papers accepted for SWQD were each peer-reviewed by three or more reviewers and selected out of 18 high-quality submissions. Further, two keynotes and six short papers on promising research directions were also presented and included in order to spark discussions between researchers and practitioners. The papers are organized into topical sections on risk management; software and systems testing; test processes; model-based development; and process improvement and measurement.

Business Component-Based Software Engineering

Springer Science & Business Media Business Component-Based Software Engineering, an edited volume, aims to complement some other reputable books on CBSE, by stressing how components are built for large-scale applications,

within dedicated development processes and for easy and direct combination. This book will emphasize these three facets and will offer a complete overview of some recent progresses. Projects and works explained herein will prompt graduate students, academics, software engineers, project managers and developers to adopt and to apply new component development methods gained from and validated by the authors. The authors of Business Component-Based Software Engineering are academic and professionals, experts in the field, who will introduce the state of the art on CBSE from their shared experience by working on the same projects. Business Component-Based Software Engineering is designed to meet the needs of practitioners and researchers in industry, and graduate-level students in Computer Science and Engineering.

Integrating PHP Projects with Jenkins

"O'Reilly Media, Inc." Most web applications are changed and adapted quite frequently and quickly. Their environment, for example the size and the behavior of the user base, are constantly changing. What was sufficient yesterday can be insufficient today. Especially in a web environment it is important to monitor and continuously improve the internal quality not only when developing, but also when maintaining the software. Jenkins is the leading open-source continuous integration server. Thanks to its thriving plugin ecosystem, it supports building and testing virtually any project. This book explains how you can leverage Jenkins to monitor the various aspects of software quality in a PHP software project.

Software Process Improvement for Small and Medium Enterprises: Techniques and Case Studies

Techniques and Case Studies

IGI Global Software engineering is of major importance to all enterprises; however, the key areas of software quality and software process improvement standards and models are currently geared toward large organizations, where most software organizations are small and medium enterprises. Software Process Improvement for Small and Medium Enterprises: Techniques and Case Studies offers practical and useful guidelines, models, and techniques for improving software processes and products for small and medium enterprises, utilizing the authoritative, demonstrative tools of case studies and lessons learned to provide academics, scholars, and practitioners with an invaluable research source.

Integrated Computer Technologies in Mechanical Engineering

Synergetic Engineering

Springer Nature This book presents the proceedings of the 2019 International Scientific and Technical Conference "Integrated Computer Technologies in Mechanical Engineering" – Synergetic Engineering (ICTM' 2019). The ICTM was established by the National Aerospace University "Kharkiv Aviation Institute" to bring together outstanding researchers and practitioners in the fields of information technology in the design and manufacture of engines, creation of rocket space systems, and aerospace engineering from around the globe all to share their knowledge and expertise. The ICTM'2019 conference was held in Kharkiv, Ukraine, on November 28–30, 2019. During the event, technical exchanges between the research communities took place in the form of keynote speeches, panel discussions, and special sessions. In addition, participants had the opportunity to forge new collaborations with their fellow researchers. ICTM'2019 received 172 submissions from various countries. This book features selected papers offering insights into the following topics: Information technology in the design and manufacture of engines; Information technology in the creation of rocket space systems; Aerospace engineering; Transport systems and logistics; Big data and data science; Nano-modeling; Artificial intelligence and smart systems; Networks and communication; Cyber-physical system and IoE; Software Engineering and IT-infrastructure. The organizers of ICTM 2019 made great efforts to ensure the success of this conference. The authors would like to thank all the members of the ICTM'2019 Advisory Committee for their guidance and advice, the members of Program Committee and Organizing Committee, the referees for their time and effort in reviewing and soliciting the papers, and the authors for their contributions to the formation of a common intellectual environment for solving relevant scientific problems. Also, the authors are grateful to Springer, especially Janusz Kacprzyk and Thomas Ditzinger as the editors responsible for the series "Advances in Intelligent System and Computing" for their valuable support in publishing these selected papers.

Systems, Software and Services Process Improvement

24th European Conference, EuroSPI 2017, Ostrava, Czech Republic, September 6–8, 2017, Proceedings

Springer This volume constitutes the refereed proceedings of the 24th EuroSPI conference, held in Ostrava, Czech Republic, in September 2017.The 56 revised full papers presented were carefully reviewed and selected from 97 submissions. They are organized in topical sections on SPI and VSEs, SPI and process models, SPI and safety, SPI and project management, SPI and implementation, SPI issues, SPI and automotive, selected key notes and workshop papers, GamifySPI, SPI in Industry 4.0, best practices in implementing traceability, good and bad practices in improvement, safety and security, experiences with agile and lean, standards and assessment models, team skills and diversity strategies.

Software Engineering: Principles and Practices, 2nd Edition

Vikas Publishing House This revised edition of Software Engineering-Principles and Practices has become more comprehensive with the inclusion of several topics. The book now offers a complete understanding of software engineering as an engineering discipline. Like its previous edition, it provides an in-depth coverage of fundamental principles, methods and applications of software engineering. In addition, it covers some advanced approaches including Computer-aided Software Engineering (CASE), Component-based Software Engineering (CBSE), Clean-room Software Engineering (CSE) and formal methods.Taking into account the needs of both students and practitioners, the book presents a pragmatic picture of the software engineering methods and tools. A thorough study of the software industry shows that there exists a substantial difference between classroom study and the practical industrial application. Therefore, earnest efforts have been made in this book to bridge the gap between theory and practical applications. The subject matter is well supported by examples and case studies representing the situations that one actually faces during the software development process.The book meets the requirements of students enrolled in various courses both at the undergraduate and postgraduate levels, such as BCA, BE, BTech, BIT, BIS, BSc, PGDCA, MCA, MIT, MIS, MSc, various DOEACC levels and so on. It will also be suitable for those software engineers who abide by scientific principles and wish to expand their knowledge. With the increasing demand of software, the software engineering discipline has become important in education and industry. This thoughtfully organized second edition of the book provides its readers a profound knowledge of software engineering concepts and principles in a simple, interesting and illustrative manner.

The Making of Information Systems

Software Engineering and Management in a Globalized World

Springer Science & Business Media Information systems (IS) are the backbone of any organization today, supporting all major business processes. This book deals with the question: how do these systems come into existence? It gives a comprehensive coverage of managerial, methodological and technological aspects including: Management decisions before and during IS development, acquisition and implementation Project management Requirements engineering and design using UML Implementation, testing and customization Software architecture and platforms Tool support (CASE tools, IDEs, collaboration tools) The book takes into account that for most organizations today, inhouse development is only one of several options to obtain an IS. A good deal of IS development has moved to software vendors – be it domestic, offshore or multinational software firms. Since an increasing share of this work is done in Asia, Eastern Europe, Latin America and Africa, the making of information systems is discussed within a global context.

Quality Software Project Management

Prentice Hall Professional Drawing on best practices identified at the Software Quality Institute and embodied in bodies of knowledge from the Project Management Institute, the American Society of Quality, IEEE, and the Software Engineering Institute, Quality Software Project Management teaches 34 critical skills that allow any manager to minimize costs, risks, and time-to-market. Written by leading practitioners Robert T. Futrell, Donald F. Shafer, and Linda I. Shafer, it addresses the entire project lifecycle, covering process, project, and people. It contains extensive practical resources-including downloadable checklists, templates, and forms.

Enterprise Risk Management Best Practices

From Assessment to Ongoing Compliance

John Wiley & Sons High-level guidance for implementing enterprise risk managementin any organization A Practical Guide to Risk Management shows organizations how toimplement an effective ERM solution, starting with seniormanagement and risk and compliance professionals working togetherto categorize and assess risks throughout the enterprise. Detailedguidance is provided on the key risk categories, includingfinancial, operational, reputational, and strategic areas, alongwith practical tips on how to handle risks that overlap acrosscategories. Provides high-level guidance on how to implement enterpriserisk management across any organization Includes discussion of the latest trends and bestpractices Features the role of IT in ERM and the tools that are availablein both assessment and on-going compliance Discusses the key challenges that need to be overcome for asuccessful ERM initiative Walking readers through the creation of ERM architecture andsetting up on-going monitoring and assessement processes, this isan essential book for every CFO, controller and IT manager.

Software Process Improvement and Management: Approaches and Tools for Practical Development

Approaches and Tools for Practical Development

IGI Global Over the past decade, there has been an increase in attention and focus on the discipline of software engineering. Software engineering tools and techniques have been developed to gain more predictable quality improvement results. Process standards such as Capability Maturity Model Integration (CMMI), ISO 9000, Software Process Improvement and Capability dEtermination (SPICE), Agile Methodologies, and others have been proposed to assist organizations to achieve more predictable results by incorporating these proven standards and procedures into their software process. Software Process Improvement and Management: Approaches and Tools for Practical Development offers the latest research and case studies on software engineering and development. The production of new process standards assist organizations and software engineers in adding a measure of predictability to the software process. Companies can gain a decisive competitive advantage by applying these new and theoretical methodologies in real-world scenarios. Researchers, scholars, practitioners, students, and anyone interested in the field of software development and design should access this book as a major compendium of the latest research in the field.

Medicare Transaction System

Success Depends Upon Correcting Critical Managerial and Technical Weaknesses

DIANE Publishing Evaluates the Health Care Financing Admin's (HCFA) acquisition of its Medicare Transaction System (MTS). Specifically addresses the extent to which HCFA is effectively managing its interim Medicare processing environment, is using required practices to manage MTS as an investment, & is applying sound system development processes to reduce risk. Makes several recommendations that could help HCFA effectively meet its Medicare info. technology needs & decrease the risk of costly technological decisions & wasted Fed. expenditures that are often associated with large Fed. info. technology projects.

Managing IT as a Business

A Survival Guide for CEOs

John Wiley & Sons With Managing IT as a Business you'll get practical advice on how to unleash the full potential of this critical function so that companies can derive maximum benefit. It offers a proven plan for bridging the gap between CEOs and CIOs that has, until now, impeded their ability to work together in order to craft objectives, establish budget guidelines, and develop metrics for measuring IT value and success. In short, with this book as a guide, business leaders will learn how to manage IT as they would any other functional business unit.

Product-Focused Software Process Improvement

22nd International Conference, PROFES 2021, Turin,

Italy, November 26, 2021, Proceedings

Springer Nature This book constitutes the refereed proceedings of the 22nd International Conference on Product-Focused Software Process Improvement, PROFES 2021, held in Turin, Italy, in November 2021. Due to COVID-19 pandemic the conference was held as a hybrid event. The 20 revised papers, including 14 full papers, 3 short papers and 3 industry papers, presented were carefully reviewed and selected from 48 submissions. The papers cover a broad range of topics related to professional software development and process improvement driven by product and service quality needs. They are organized in the following topical sections: agile and migration, requirements, human factors, and software quality.

Applied Computer Sciences in Engineering

8th Workshop on Engineering Applications, WEA 2021, Medellín, Colombia, October 6–8, 2021, Proceedings

Springer Nature This volume constitutes the refereed proceedings of the 8th Workshop on Engineering Applications, WEA 2021, held in Medellín, Colombia, in October 2021. Due to the COVID-19 pandemic the conference was held in a hybrid mode. The 33 revised full papers and 11 short papers presented in this volume were carefully reviewed and selected from 127 submissions. The papers are organized in the following topical sections: computational intelligence; bioengineering; Internet of Things (IoT); optimization and operations research; engineering applications.

Medicare Transaction System

Success Depends Upon Correcting Critical Managerial and Technical Weaknesses

Department of Defense Authorization for Appropriations for Fiscal Year 2015 and the Future Years Defense Program, Senate Hrg. 113-465 PT. 4, April 8 and 9, 2014, 113-2

Surviving Supply Chain Integration

Strategies for Small Manufacturers

National Academies Press The managed flow of goods and information from raw material to final sale also known as a "supply chain" affects everything--from the U.S. gross domestic product to where you can buy your jeans. The nature of a company's supply chain has a significant effect on its success or failure--as in the success of Dell Computer's make-to-order system and the failure of General Motor's vertical integration during the 1998 United Auto Workers strike. Supply Chain Integration looks at this crucial component of business at a time when product design, manufacture, and delivery are changing radically and globally. This book explores the benefits of continuously improving the relationship between the firm, its suppliers, and its customers to ensure the highest added value. This book identifies the state-of-the-art developments that contribute to the success of vertical tiers of suppliers and relates these developments to the capabilities that small and medium-sized manufacturers must have to be viable participants in this system. Strategies for attaining these capabilities through manufacturing extension centers and other technical assistance providers at the national, state, and local level are suggested. This book identifies action steps for small and medium-sized manufacturers--the "seed corn" of business start-up and development--to improve supply chain management. The book examines supply chain models from consultant firms, universities, manufacturers, and associations. Topics include the roles of suppliers and other supply chain participants, the rise of outsourcing, the importance of information management, the natural tension between buyer and seller, sources of assistance to small and medium-sized firms, and a host of other issues. Supply Chain Integration will be of interest to industry policymakers, economists, researchers, business leaders, and forward-thinking executives.

Software Project Survival Guide

Microsoft Press Equip yourself with SOFTWARE PROJECT SURVIVAL GUIDE. It's for everyone with a stake in the outcome of a development project--and especially for those without formal software project management training. That includes top managers, executives, clients, investors, end-user representatives, project managers, and technical leads. Here you'll find guidance from the acclaimed author of the classics CODE COMPLETE and RAPID DEVELOPMENT. Steve McConnell draws on solid research and a career's worth of hard-won experience to map the surest path to your goal-- what he calls "one specific approach to software development that works pretty well most of the time for most projects." Nineteen chapters in four sections cover the concepts and strategies you need for mastering the development process, including planning, design, management, quality assurance, testing, and archiving. For newcomers and seasoned project managers alike, SOFTWARE PROJECT SURVIVAL GUIDE draws on a vast store of techniques to create an elegantly simplified and reliable framework for project management success. So don't worry about wandering among complex sets of project management techniques that require years to sort out and master. SOFTWARE PROJECT SURVIVAL GUIDE goes straight to the heart of the matter to help your projects succeed. And that makes it a required addition to every professional's bookshelf.

PM: Program Manager (Online) March April 2001 Issue

DIANE Publishing

Software Process Improvement

15th European Conference, EuroSPI 2008, Dublin, Ireland, September 3-5, 2008, Proceedings

Springer Science & Business Media This textbook is intended for use by SPI (Software Process Improvement) managers and researchers, quality managers, and experienced project and research managers. The papers constitute the research proceedings of the 15th EuroSPI (European So- ware Process Improvement, www.eurospi.net) conference in Dublin, Ireland, 3–5 September 2008. Since the first conference, held in Dublin in 1994, EuroSPI conferences have been held in 1995 in Vienna (Austria), in 1997 in Budapest (Hungary), in 1998 in Goth- burg (Sweden), in 1999 in Pori (Finland), in 2000 in Copenhagen (Denmark), in 2001 in Limerick (Ireland), in 2002 in Nuremberg (Germany), in 2003 in Graz (Austria), in 2004 in Trondheim (Norway), in 2005 in Budapest (Hungary), in 2006 in Joensuu (Finland), and in 2007 in Potsdam (Germany). EuroSPI has established an experience library (library.eurospi.net), which will be c- tinuously extended over the next few years and was made available to all attendees. EuroSPI has also started an umbrella initiative for establishing a European Quali- cation Network in which different SPINs and national ventures can join mutually beneficial collaborations (EQN - EU Leonardo da Vinci network project). With a general assembly on 15.-16.10.2007 through EuroSPI partners and n- works, in collaboration with the European Union (supported by the EU Leonardo da Vinci Programme), a European certification association has been created (www.- certificates.org) for the IT and services sector to offer SPI knowledge and certificates to industry, establishing close knowledge transfer links between research and industry.

Managing Global Development Risk

CRC Press While global sourcing has expanded dramatically in terms of activities, consistent challenges remain for organizations that choose such a business decision. These challenges include maximizing the opportunity afforded by globalization, fully realizing potential gains, and managing the risks inherent to global development. In addition, while companies continue to start or expand their use of global resources, little is being done to help project managers, business analysts, architects, and others succeed in this new environment. Built upon real-world experiences, Managing Global Development Risk provides the tools, techniques, and knowledge necessary to achieve project success with offshore resources. By reading and utilizing the templates within this book, you will acquire: Knowledge of project management principles and their application, Understanding of software development processes and their application , Insight into the diverse personalities within your global development team and the appropriate management and communications style to achieve success. Awareness of cultural issues and mannerisms that will enhance your ability to guide your team To fully realize the benefits of global development, a proper mix of local and offshore resources is essential. This book is an important tool that can help you gain the necessary competency and expand your skills in this critical area.

Integrated Diabetes Care

A Multidisciplinary Approach

Springer Integrating care across disciplines and organisations around the needs of the person with diabetes has been proposed as an approach that could improve care while reducing cost- but has it and can it? Integrated Diabetes Care-A Multidisciplinary Approach collates evidence of worldwide approaches to both horizontal integration (across disciplines) and vertical integration (across organizations) in diabetes care and describe what was done, what worked and what appeared to be the barriers to achieving the goals of the programmes. Evidence is sought from groups who have developed different approaches to integrating diabetes care in different health systems (eg insurance vs tax payer funded, single vs multiple organization, published vs unpublished). A final chapter brings the evidence together for a final discussion about what seems to work and what does not.

Software Engineering

KHANNA PUBLISHING HOUSE Each and every chapter covers the contents up to a reasonable depth necessary for the intended readers in the field. The book consists in all about 1200 exercises based on the topics and sub-topics covered. Keeping in view the emerging trends in newly emerging scenario with new dimension of software engineering, the book specially includes the following chapters, but not limited to these only. This book explains all the notions related to software engineering in a very systematic way, which is of utmost importance to the novice readers in the field of software Engineering.

Enterprise Software Delivery

Bringing Agility and Efficiency to the Global Software Supply Chain

Addison-Wesley Professional Master breakthrough new approaches to enterprise software delivery that address today's radically new development and business challenges • •Helps development leaders strategically balance agility and efficiency in response to massive new global economic and technical trends. •Offers specific, practical solutions for improving control, visibility, and efficiency. •By Alan W. Brown -- IBM Distinguished Engineer, IBM Rational CTO, and one of the world's leading experts on high-value enterprise software delivery. Globalization, rapid technology churn, and massive economic shifts have made today's enterprise software delivery challenges radically different that those faced just three or four years ago. In this book, IBM Distinguished Engineer Alan W. Brown offers deep new insights into today's best approaches to enterprise software delivery. Brown guides decision-makers in choosing solutions that respond to their new challenges, and successfully anticipate what's coming next. He provides a compelling vision for 'software supply chains': one that can help software leaders create global software factories that successfully balance agility and efficiency. Brown illuminates today's new revolution in enterprise software delivery, focusing on key drivers for change, their impact on the day-to-day work of software engineers, and how enterprise software organizations are being reformed in response. He introduces the modern 'software factory' concept, addressing key trends including global outsourced teams, collaborative application lifecycle management, and cloud-based virtual infrastructures; Replete with examples, this informative, practical book will help organizations surface crucial issues they may have overlooked, and then identify and leverage the best new ways to deliver software. From start to finish, it offers powerful new opportunities to reduce costs, standardize processes, improve control and visibility, and become far more responsive to the business.

Guide to Advanced Empirical Software Engineering

Springer Science & Business Media This book gathers chapters from some of the top international empirical software engineering researchers focusing on the practical knowledge necessary for conducting, reporting and using empirical methods in software engineering. Topics and features include guidance on how to design, conduct and report empirical studies. The volume also provides information across a range of techniques, methods and qualitative and quantitative issues to help build a toolkit applicable to the diverse software development contexts

Defense acquisitions knowledge of software suppliers needed to manage risks : report to congressional requesters.

DIANE Publishing

Emerging Technologies and Work-Integrated Learning Experiences in Allied Health Education

IGI Global The Internet serves as an essential tool in promoting health awareness through the circulation of important research among the medical professional community. While digital tools and technologies have greatly improved healthcare, challenges are still prevalent among diverse populations worldwide. Emerging Technologies and Work-Integrated Learning Experiences in Allied Health Education is a critical scholarly resource that examines constructivist teaching methods and active learning strategies in allied health education to enhance student knowledge and prepare them for the digital age. Featuring coverage on a broad range of topics, such as e-learning, microscopic morphology, and virtual reality, this book is geared towards researchers, academicians, medical professionals, and upper level students interested in the advancement and dissemination of medical knowledge.

Ethics in Information Technology

Cengage Learning Develop a strong understanding of the legal, ethical, and societal implications of information technology with Reynolds' ETHICS IN INFORMATION TECHNOLOGY, 6E. The latest edition of this dynamic book provides up-to-date, thorough coverage of notable technology developments and their impact on business today. Readers examine issues surrounding professional codes of ethics, cyberattacks and cybersecurity, security risk assessment, privacy, electronic surveillance, freedom of expression, Internet censorship, protection and infringement of intellectual property, development of high-quality software systems, the impact of IT on society, social networking, and the ethics of IT corporations. Business vignettes, Critical-Thinking exercises, thought-provoking Cases and decision-making features prepare readers to make key business decisions and resolve ethical dilemmas in today's workplace. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Computer Integration of Engineering Design and Production

A National Opportunity

National Academies Press

Product Focused Software Process Improvement

4th International Conference, PROFES 2002 Rovaniemi, Finland, December 9-11, 2002, Proceedings

Springer Science & Business Media This book constitutes the refereed proceedings of the 4th International Conference on Product Fucused Software Process Improvement, PROFES 2002, held in Rovaniemi, Finland in December 2002. The 48 revised papers presented together with 2 keynote contributions were carefully reviewed and selected from 70 submissions. The papers are organized in topical sections on improvement management, process modeling, software quality, Agile software development, process improvement approaches, methods and techniques, embedded software process improvement, process improvement case studies, effective use of measurements, wireless services, use cases, knowledge management, embedded systems methods, COTS quality techniques, frameworks, mobile solutions, and methods and techniques.