

Engineering Technical Report Template

This book constitutes the refereed proceedings of the 36th Conference on Current Trends in Theory and Practice of Computer Science, SOFSEM 2010, held in Špindleruv Mlýn, Czech Republic, in January 2009. The 53 revised full papers, presented together with 11 invited contributions, were carefully reviewed and selected from 134 submissions. SOFSEM 2010 was organized around the following four tracks: Foundations of computer science, principles of software construction, Data, knowledge, and intelligent systems and Web science.

The fourth edition of the European Conference on Model-Driven Architecture – Foundations and Applications (ECMDA-FA 2008) was dedicated to furthering the state of knowledge and fostering the industrialization of the model-driven architecture (MDA) methodology. MDA is an initiative proposed by the – ject Management Group (OMG) for platform-generic software development. It promotes the use of models in the speci?cation, design, analysis, synthesis, – ployment, and evolution of complex software systems. ECMDA-FA 2008 focused on engaging key European and international – searchers and practitioners in a dialogue which will result in a stronger, more e?cientindustry,producingmorereliablesoftwareonthebasisofstate-of-the-art research results. ECMDA-FA is a forum for exchanging information, discussing the latest results and arguing about future developments of MDA. It is a pleasure to be able to introduce the proceedings of ECMDA-FA 2008. ECMDA-FA addresses various MDA areas including model management, e- cutable models, concrete syntaxes, aspects and concerns, validation and te- ing, model-based systems engineering, model-driven development and servi- oriented architectures, and the application of model-driven development. Therearesomanypeople whodeservewarmthanksandgratitude.The fru- ful collaboration of the Organization, Steering and Program Committee m- bersandthevibrantcommunityledtoasuccessfulconference:ECMDA-FA2008 obtainedexcellentsresultsintermsofsubmissions,programsiz, andattendance. The Program Committee accepted, with the help of additional reviewers, research papers and industry papers for ECMDA-FA 2008: We received 87 s- missions. Of these, a total of 31 were accepted including 21 research papers and 10 industry papers. We thank them for the thorough and high-quality selection process.

Software Engineering for Science provides an in-depth collection of peer-reviewed chapters that describe experiences with applying software engineering practices to the development of scientific software. It provides a better understanding of how software engineering is and should be practiced, and which software engineering practices are effective for scientific software. The book starts with a detailed overview of the Scientific Software Lifecycle, and a general overview of the scientific software development process. It highlights key issues commonly arising during scientific software development, as well as solutions to these problems. The second part of the book provides examples of the use of testing in scientific software development, including key issues and challenges. The chapters then describe solutions and case studies aimed at applying testing to scientific software development efforts. The final part of the book provides examples of applying software engineering techniques to scientific software, including not only computational modeling, but also software for data management and analysis. The authors describe their experiences and lessons learned from developing complex scientific software in different domains. About the Editors Jeffrey Carver is an Associate Professor in the Department of Computer Science at the University of Alabama. He is one of the primary organizers of the workshop series on Software Engineering for Science (http://www.SE4Science.org/workshops). Neil P. Chue Hong is Director of the Software Sustainability Institute at the University of Edinburgh. His research interests include barriers and incentives in research software ecosystems and the role of software as a research object. George K. Thiruvathukal is Professor of Computer Science at Loyola University Chicago and Visiting Faculty at Argonne National Laboratory. His current research is focused on software metrics in open source mathematical and scientific software.

This book constitutes the refereed proceedings of the 7th International Conference on Software Language Engineering, SLE 2014, held in Västerås, Sweden, in September 2014. The 19 revised full papers presented together with 1 invited paper were carefully reviewed and selected from 61 initial submissions. The papers observe software languages from different and yet complementary perspectives: programming languages, model driven engineering, domain specific languages, semantic web, and from different technological spaces: context-free grammars, object-oriented modeling frameworks, rich data, structured data, object-oriented programming, functional programming, logic programming, term-rewriting, attribute grammars, algebraic specification, etc.

Engineering Communication: A Practical Guide to Workplace Communications for Engineers

Advanced Topics in Database Research, Volume 5

Engineering for Sustainability

The Builders

Basic Transport Phenomena in Biomedical Engineering

Life Cycle Assessment

The book discusses the full range of tailless designs, from hanggliders to the US 'Stealth Bomber', and includes a detailed look at particularly significant designs. The authors' own experience in this field allows them to explain and illustrate the topic in a way that will both appeal to the enthusiast and satisfy the professional aerodynamicist's need for academic rigour: a rare mix of sound science and first hand experience.

Lists citations with abstracts for aerospace related reports obtained from world wide sources and announces documents that have recently been entered into the NASA Scientific and Technical Information Database.

Filling the need for a lab textbook in this rapidly growing field, A Laboratory Course in Tissue Engineering helps students develop hands-on experience. The book contains fifteen standalone experiments based on both classic tissue-engineering approaches and recent advances in the field. Experiments encompass a set of widely applicable techniques: c

This book is full of practical advice and useful examples to help students and engineers write clearly, accurately and impressively. This updated fourth edition features new material on technical notes, inspection reports and business cases, along with abstracts and summaries. It is an essential aid for today's engineers.

SOFSEM 2010: Theory and Practice of Computer Science

Effective Methods for Software Engineering

36th Conference on Current Trends in Theory and Practice of Computer Science, Špindleruv Mlýn, Czech Republic, January 23-29, 2010. Proceedings

Enterprise Information Systems

Generic and Indexed Programming

Scientific and Technical Aerospace Reports

Software is important because it is used by a great many people in companies and institutions. This book presents engineering methods for designing and building software. Based on the author ' s experience in software engineering as a programmer in the defense and aerospace industries, this book explains how to ensure a software that is programmed operates according to its requirements. It also shows how to develop, operate, and maintain software engineering capabilities by instilling an engineering discipline to support programming, design, builds, and delivery to customers. This book helps software engineers to: Understand the basic concepts, standards, and requirements of software engineering. Select the appropriate programming and design techniques. Effectively use software engineering tools and applications. Create specifications to comply with the software standards and requirements. Utilize various methods and techniques to identify defects. Manage changes to standards and requirements. Besides providing a technical view, this book discusses the moral and ethical responsibility of software engineers to ensure that the software they design and program does not cause serious problems. Software engineers tend to be concerned with the technical elegance of their software products and tools, whereas customers tend to be concerned only with whether a software product meets their needs and is easy and ready to use. This book looks at these two sides of software development and the challenges they present for software engineering. A critical understanding of software engineering empowers developers to choose the right methods for achieving effective results. Effective Methods for Software Engineering guides software programmers and developers to develop this critical understanding that is so crucial in today ' s software-dependent society.

Engineering wonders of the world are featured in six thematic chapters that focus on overcoming distance (roads, canals, bridges, railroads, pipelines), height and depth (towers, tunnels, skyscrapers), public spaces (sports arenas, exposition halls), the need for protection (on land and from water), responding to the spirit (pyramids, temples, domes, Gothic cathedrals), and harnessing nature's power (wind, solar, hydroelectric). Abundantly and lavishly illustrated. Lacks a bibliography. Annotation copyright by Book News, Inc., Portland, OR

Energy efficiency and low-carbon technologies are key contributors to curtailing the emission of greenhouse gases that continue to cause global warming. The efforts to reduce greenhouse gas emissions also strongly affect electrical power systems. Renewable sources, storage systems, and flexible loads provide new system controls, but power system operators and utilities have to deal with their fluctuating nature, limited storage capabilities, and typically higher infrastructure complexity with a growing number of heterogeneous components. In addition to the technological change of new components, the liberalization of energy markets and new regulatory rules bring contextual change that necessitates the restructuring of the design and operation of future energy systems. Sophisticated component design methods, intelligent information and communication architectures, automation and control concepts, new and advanced markets, as well as proper standards are necessary in order to manage the higher complexity of such intelligent power systems that form smart grids. Due to the considerably higher complexity of such cyber-physical energy systems, constituting the power system, automation, protection, information and communication technology (ICT), and system services, it is expected that the design and validation of smart-grid configurations will play a major role in future technology and system developments. However, an integrated approach for the design and evaluation of smart-grid configurations incorporating these diverse constituent parts remains evasive. The currently available validation approaches focus mainly on component-oriented methods. In order to guarantee a sustainable, affordable, and secure supply of electricity through the transition to a future smart grid with considerably higher complexity and innovation, new design, validation, and testing methods appropriate for cyber-physical systems are required. Therefore, this book summarizes recent research results and developments related to the design and validation of smart grid systems.

This book is a uniquely pedagogical while still comprehensive state-of-the-art description of LCA-methodology and its broad range of applications. The five parts of the book conveniently provide: I) the history and context of Life Cycle Assessment (LCA) with its central role as quantitative and scientifically-based tool supporting society ' s transitioning towards a sustainable economy; II) all there is to know about LCA methodology illustrated by a red-thread example which evolves as the reader advances; III) a wealth of information on a broad range of LCA applications with dedicated chapters on policy development, prospective LCA, life cycle management, waste, energy, construction and building, nanotechnology, agrifood, transport, and LCA-related concepts such as footprinting, ecolabelling,design for environment, and cradle to cradle. IV) A cookbook giving the reader recipes for all the concrete actions needed to perform an LCA. V) An appendix with an LCA report template, a full example LCA report serving as inspiration for students who write their first LCA report, and a more detailed overview of existing LCIA methods and their similarities and differences.

Formula SAE and Its Systems Engineering Approach

Model Driven Architecture - Foundations and Applications

Marvels of Engineering

Technical Reports Awareness Circular : TRAC.

HCI in Work and Learning, Life and Leisure

Generic programming is about making programs more widely applicable via exotic kinds of parametrization--not just along the dimensions of values or of types, but also of things such as the shape of data, algebraic structures, strategies, computational paradigms, and so on. Indexed programming is a lightweight form of dependently typed state and check relationships between parameters: that the shapes of two arguments agree, that an encoded value matches some type, that values transmitted along a channel conform to the stated protocol, and so on. The two forces of genericity and indexing balance each other nicely, simultaneously promoting and controlling generalization.

School on Generic and Indexed Programming, held in Oxford, UK, in March 2010 as a closing activity of the generic and indexed programming project at Oxford which took place in the years 2006-2010.

Technical Report - U.S. Army, Corps of Engineers, Coastal Engineering Research CenterReport Writing Style Guide for Engineering StudentsEngineering for SustainabilityCRC Press

This State-of-the-Art Survey contains a selection of papers representing state-of-the-art results in the engineering of secure software-based Future Internet services and systems, produced by the NessoS project researchers. The engineering approach of the Network of Excellence NessoS, funded by the European Commission, is based on a very beginning in all software development phases, thus contributing to reduce the amount of software vulnerabilities and enabling the systematic treatment of security needs through the engineering process. The 15 papers included in this volume deal with the main NessoS research areas: security requirements for Future Internet services; design; supporting programming environments for secure and composable services; enabling security assurance and integrating former results in a risk-aware and cost-aware software life-cycle.

This report contains a template on how to write a research report, detailing such items as the summary, overview, background, summary of effort, lessons learned and conclusions and recommendations.

4th European Conference, ECMDA-FA 2008, Berlin, Germany, June 9-13, 2008, Proceedings

Understandable Structure, Good Design, Convincing Presentation

Concepts, Principles, and Practices

Engineering Secure Future Internet Services and Systems

Second International Conference, CITI 2016, Guayaquil, Ecuador, November 23-25, 2016, Proceedings

Circuit Analysis of A-C Power Systems...

The overwhelming majority of a software system's lifespan is spent in use, not in design or implementation. So, why does conventional wisdom insist that software engineers focus primarily on the design and development of large-scale computing systems? In this collection of essays and articles, key members of Google's Site Reliability Team explain how and why their commitment to the entire lifecycle has enabled the company to successfully build, deploy, monitor, and maintain some of the largest software systems in the world. You'll learn the principles and practices that enable Google engineers to make systems more scalable, reliable, and efficient!lessons directly applicable to your organization. This book is divided into four sections: Introduction!Learn what site reliability engineering is and why it differs from conventional IT industry practices Principles!Examine the patterns, behaviors, and areas of concern that influence the work of a site reliability engineer (SRE) Practices!Understand the theory and practice of an SRE's day-to-day work: building and operating large distributed computing systems Management!Explore Google's best practices for training, communication, and meetings that your organization can use

A company with effective cost reduction activities in place will be better positioned to adapt to shifting economic conditions. In fact, it can make the difference between organizations that thrive and those that simply survive during times of economic uncertainty. Reducing Process Costs with Lean, Six Sigma, and Value Engineering Techniques covers

A well-written, hands-on, single-source guide to the professional practice of civil engineering There is a growing understanding that to be competitive at an international level, civil engineers not only must build on their traditional strengths in technology and science but also must acquire greater mastery of the business of civil engineering. Project management, teamwork, ethics, leadership, and communication have been defined as essential to the successful practice of civil engineering by the ASCE in the 2008 landmark publication, Civil Engineering Body of Knowledge for the 21st Century (BOK2). This single-source guide is the first to take the practical skills defined by the ASCE BOK2 and provide illuminating techniques, quotes, case examples, problems, and information to assist the reader in addressing the many challenges facing civil engineers in the real world. Civil Engineer's Handbook of Professional Practice: Focuses on the business and management aspects of a civil engineer's job, providing students and practitioners with sound business management principles Addresses contemporary issues such as permitting, globalization, sustainability, and emerging technologies Offers proven methods for balancing speed, quality, and price with contracting and legal issues in a client-oriented profession Includes guidance on juggling career goals, life outside work, compensation, and growth From the challenge of sustainability to the rigors of problem recognition and solving, this book is an essential tool for those practicing civil engineering.

This book constitutes the thoroughly refereed post-proceedings of the 7th International Workshop on DNA-Based Computers, DNA7, held in Tampa, Florida, USA, in June 2001. The 26 revised full papers presented together with 9 poster papers were carefully reviewed and selected from 44 submissions. The papers are organized in topical sections on experimental tools, theoretical tools, probabilistic computational models, computer simulation and sequence design, algorithms, experimental solutions, nano-tech devices, biomimetic tools, new computing models, and splicing systems and membranes.

Writing for Engineers

Reducing Process Costs with Lean, Six Sigma, and Value Engineering Techniques

Proceedings of the ASME International Design Engineering Technical Conferences and Computers and Information in Engineering Conference 2005

DNA Computing

Technical Report - U.S. Army, Corps of Engineers, Coastal Engineering Research Center

High Performance Computing in Science and Engineering

The three-volume set of LNCS 11953, 11954, and 11955 constitutes the proceedings of the 26th International Conference on Neural Information Processing, ICONIP 2019, held in Sydney, Australia, in December 2019. The 173 full papers presented were carefully reviewed and selected from 645 submissions. The papers address the emerging topics of theoretical research, empirical studies, and applications of neural information processing techniques across different domains. The first volume, LNCS 11953, is organized in topical sections on adversarial networks and learning; convolutional neural networks; deep neural networks; feature learning and representation; human centred computing; human centred computing and medicine; hybrid models; and artificial intelligence and cybersecurity.

This book constitutes the refereed proceedings of the Second International Conference on Technologies and Innovation, CITI 2016, held in Guayaquil, Ecuador, in November 2016. The 21 revised full papers presented were carefully reviewed and selected from 65 submissions. The papers are organized in topical sections on knowledge representation and natural language processing; Cloud and mobile computing; software engineering; expert systems and soft computing.

Praise for the first edition: "This excellent text will be useful to every system engineer (SE) regardless of the domain. It covers ALL relevant SE material and does so in a very clear, methodical fashion. The breadth and depth of the author's presentation of SE principles and practices is outstanding." –Philip Allen This textbook presents a comprehensive, step-by-step guide to System Engineering analysis, design, and development via an integrated set of concepts, principles, practices, and methodologies. The methods presented in this text apply to any type of human system -- small, medium, and large organizational systems and system development projects delivering engineered systems or services across multiple business sectors such as medical, transportation, financial, educational, governmental, aerospace and defense, utilities, political, and charity, among others. Provides a common focal point for "bridging the gap" between and unifying System Users, System Acquirers, multi-discipline System Engineering, and Project, Functional, and Executive Management education, knowledge, and decision-making for developing systems, products, or services Each chapter provides definitions of key terms, guiding principles, examples, author's notes, real-world examples, and exercises, which highlight and reinforce key SE&D concepts and practices Addresses concepts employed in Model-Based Systems Engineering (MBSE), Model-Driven Design (MDD), Unified Modeling Language (UMLTM) / Systems Modeling Language (SysMLTM), and Agile/Spiral/V-Model Development such as user needs, stories, and use cases analysis; specification development; system architecture development; User-Centric System Design (UCSD); interface definition & control; system integration & test; and Verification & Validation (V&V) Highlights/introduces a new 21st Century Systems Engineering & Development (SE&D) paradigm that is easy to understand and implement. Provides practices that are critical staging points for technical decision making such as Technical Strategy Development; Life Cycle requirements; Phases, Modes, & States; SE Process; Requirements Derivation; System Architecture Development, User-Centric System Design (UCSD); Engineering Standards, Coordinate Systems, and Conventions; et al. Thoroughly illustrated, with end-of-chapter exercises and numerous case studies and examples, Systems Engineering Analysis, Design, and Development, Second Edition is a primary textbook for multi-discipline, engineering, system analysis, and project management undergraduate/graduate level students and a valuable reference for professionals.

This will be a substantial revision of a good selling text for upper division/first graduate courses in biomedical transport phenomena, offered in many departments of biomedical and chemical engineering. Each chapter will be updated accordingly, with new problems and examples incorporated where appropriate. A particular emphasis will be on new information related to tissue engineering and organ regeneration. A key new feature will be the inclusion of complete solutions within the body of the text, rather than in a separate solutions manual. Also, Matlab will be incorporated for the first time with this Fourth Edition.

Civil Engineer's Handbook of Professional Practice

Presented at 2005 ASME International Design Engineering Technical Conferences and Computers and Information in Engineering Conference, September 24-28, 2005, Long Beach, California USA

Neural Information Processing

26th International Conference, ICONIP 2019, Sydney, NSW, Australia, December 12–15, 2019, Proceedings, Part I

Software Quality Management II: Building quality into software

Current Research

Because of the fast developments in information and communication technologies (ICT), the fields of application of HCI and UE are broader than ever.

ENGINEERING COMMUNICATION: A PRACTICAL GUIDE TO WORKPLACE COMMUNICATIONS FOR ENGINEERS, 2E is ideal for both future and practicing engineers. Predicated on the successful dynamic analysis model CMAPP (context, message, audience, purpose and product), this practical guide provides readers with a variety of communication strategies. Engineers gain important help in creating the types of proposals, reports, memos, letters, job application documents, and digital/social media publications that are most needed for today's workplace. Interrelated case studies and exercises help readers develop the critical thinking and planning skills essential in contemporary engineering. Current and future engineers learn to evaluate important ethical and cultural considerations as they master the development of the effective business communication essential in today's careers. Important Notice: Media content referenced within the product description or the product text may not be available in our ebook version.

Advanced Topics in Database Research is a series of books on the fields of database, software engineering, and systems analysis and design. They feature the latest research ideas and topics on how to enhance current database systems, improve information storage, refine existing database models, and develop advanced applications.

Advanced Topics in Database Research, Volume 5 is a part of this series. Advanced Topics in Database Research, Volume 5 presents the latest research ideas and topics on database systems and applications, and provides insights into important developments in the field of database and database management. This book describes the capabilities and features of new technologies and methodologies, and presents state-of-the-art research ideas, with an emphasis on theoretical issues regarding databases and database management.

This book contains substantially extended and revised versions of the best papers from the 12th International Conference on Enterprise Information Systems (ICEIS 2010), held in Funchal, Madeira, Portugal, June 8-12, 2010. Two invited papers are presented together with 39 contributions, which were carefully reviewed and selected from papers presented at the conference (out of 448 submissions). They reflect state-of-the-art research work that is often driven by real-world applications, thus successfully relating the academic with the industrial community. The topics covered are: databases and information systems integration, artificial intelligence and decision support systems, information systems analysis and specification, software agents and internet computing, and human-computer interaction.

Report Writing Style Guide for Engineering Students

Technologies and Innovation

Architecting a Knowledge-based Platform for Design Engineering 4.0

Second International Conference, HPCSE 2015, Solá?, Czech Republic, May 25-28, 2015, Revised Selected Papers

7th International Workshop on DNA-Based Computers, DNA7, Tampa, FL, USA, June 10-13, 2001, Revised Papers

Theory and Practice

This book constitutes the thoroughly refereed post-conference proceedings of the Second International Conference on High Performance Computing in Science and Engineering, HPCSE 2015, held in Solá , Czech Republic, in May 2015. The 14 papers presented in this volume were carefully reviewed and selected from 21 submissions. The conference provides an international forum for exchanging ideas among researchers involved in scientific and parallel computing, including theory and applications, as well as applied and computational mathematics. The focus of HPCSE 2015 was on models, algorithms, and software tools which facilitate efficient and convenient utilization of modern parallel and distributed computing architectures, as well as on large-scale applications.

"Design Engineering for Industry 4.0 (DE4.0) represents the 'human-cyber-physical view of the systems realization ecosystem what is necessary to accommodate the drivers of Industry 4.0 (IoX) and provide an open ecosystem for the realization of complex systems. Seamless integration of digital threads and digital twins throughout the product design, the development and fulfillment lifecycle; the ability to accommodate diverse and rapidly changing technologies; and the mechanisms to facilitate the creation of new opportunities for the design of products, processes, services, and systems are some of the desired characteristics of DE4.0." Jiao, R., Commuri, S. Panchal, J., Milišavljević-Syed, J. Allen, J.K., Mistree, F. and Schaefer, D., "Design Engineering in the Age of Industry 4.0," ASME Journal of Mechanical Design, 143(7), 070801, 25 pages. In keeping with the Design Engineering 4.0 construct the authors describe architecting a computer platform to support human designers make decisions associated with the realization of complex engineered systems. The platform is designed to facilitate end-to-end digital integration, customization and personalization, agile collaboration networks, open innovation, co-creation and crowdsourcing, product servitization and anything-as-a-service. Recognizing that simulation models are abstractions of reality the authors opt for a satisficing strategy instead of an optimization strategy. They include fundamentals and then describe tools for architecting a knowledge-based platform for decision support. Challenges associated with developing a computational platform for decision support for the realization of complex engineered systems in the context of Design Engineering 4.0 are identified. Constructs for formulating design decisions (e.g., selection, compromise, and coupled decisions), knowledge modelling schemes (e.g., ontologies and modular templates), diagrams for designing decision workflows (e.g., the PEI-X diagram), and some analytical methods for robust design under uncertainty are presented. The authors describe integrating the knowledge-based platform to architect a cloud-based platform for decision support promoting co-design and cloud-based design communication essential for mass collaboration and open innovation for Design Engineering 4.0. This book is a valuable resource for researchers, design engineers, and others working on pushing the boundary of digitized manufacturing to include Design Engineering 4.0 principles in designing products, processes, and services.

Technical Reports are usually written according to general standards, corporate - sign standards of the current university or company, logical rules and practical - periences. These rules are not known well enough among engineers. There are many books that give general advice in writing. This book is specialised in how to write Technical Reports and addresses not only engineers, but also natural sci- th tists, computer scientists, etc. It is based on the 6 edition published in 2008 by st Vieweg in German and is now published as 1 edition by Springer in English. Both authors of the German edition have long experience in educating en- neers at the University of Applied Sciences Hannover. They have held many l- tures where students had to write reports and took notes about all positive and negative examples that occurred in design reports, lab work reports, and in theses. Prof. Dr. Lutz Hering has worked for VOLKSWAGEN and DAIMLER and then changed to the University of Applied Sciences Hannover where he worked from 1974 until 2000. He held lectures on Technical Drawing, Construction and Design, CAD and Materials Science. Dr. Heike Hering worked nine years as a Technical Writer and was responsible for many CAD manuals in German and English. She is now employed at TÜV NORD Akademie, where she is responsible for E-Learning projects, technical documentation and software training and supervises students who are writing their theses. Prof. Dr. -Ing.

Sustainability and sustainable development have become popular goals. They have also become wide-ranging terms that can be applied to any entity or enterprise on a local or a global scale for long time periods. As enterprises and systems become more complex and development a support costs increase, the question remains: how does one engineer an enterprise or a product for sustainability? Engineering for Sustainability provide common sense information for engineering, planning, and carrying out those tasks needed to sustain military products and services and, in turn, the entire enterprise. This book tackles the problem from the top down, beginning with discussions on planning initiatives and implementing sustainable activities. It outlines a series of principles to help engineers design products and services to meet customer and societal needs with minimal impact on resources and the ecosystem. Using examples and case studies from the government, military, academia, and commercial enterprises, the authors provide a set of tools for long-term sustainability and explain how an entire enterprise can be engineered to sustain itself. Achieving the high levels of sustainability needed in complex military and industrial systems is too often an elusive goal. Competing rules and regulations, conflicting goals and performance metrics, the desire to incorporate promising commercial off-the-shelf technologies, and the pressures of maintenance schedules contribute to this elusiveness. This book provides an analysis of and prescription for the strategies, principles, and technologies necessary to sustain the military and the systems it develops and uses. This can then be used to make any enterprise more efficient and cost effective in a changing environment.

System Engineering Analysis, Design, and Development

7th International Conference, SLE 2014, Västerås, Sweden, September 15-16, 2014. Proceedings

Communication from the Assistant Secretary, Army, Civil Works, the Department of Defense Transmitting the Louisiana Coastal Area, Barataria Basin Barrier Shoreline Restoration Project Lafourche, Jefferson, and Plaquemines Parishes, Louisiana Final Report

Software Language Engineering

12th International Conference, ICEIS 2010, Funchal-Madeira, Portugal, June 8-12, 2010, Revised Selected Papers

How to Write Technical Reports