

Engineering Technical Report Template

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Engineering for Sustainability Dennis F.X. Mathaisel 2012-09-17 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.

Life Cycle Assessment Michael Z. Hauschild 2017-09-01 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.

Basic Transport Phenomena in Biomedical Engineering Ronald L. Fournier 2017-08-07 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.

Software Language Engineering Benoit Combemale 2014-09-06 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.

Neural Information Processing Tom Gedeon 2019-12-12 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.

SOFSEM 2010: Theory and Practice of Computer Science Jan van Leeuwen 2010-01-20 This book constitutes the refereed proceedings of the 36th Conference on Current Trends in Theory and Practice of Computer Science, SOFSEM 2010, held in Spindleruv 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.

Software Architecture: A Case Based Approach Vasudeva Varma 2009-09

Scientific and Technical Aerospace Reports 1995

Architecting a Knowledge-based Platform for Design Engineering 4.0 Zhenjun Ming 2022 "Design Engineering for Industry 4.0 (DE4.0) represents the 'human-cyber-physical view of the systems realization ecosystem which 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., Milisavljevic-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 platforms 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.

Advanced Topics in Database Research, Volume 5 Siau, Keng 2006-04-30 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.

Software Engineering for Science Jeffrey C. Carver 2016-11-03 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.

Mechanical Engineering American Society of Mechanical Engineers 1947

Joint Single Integrated Air Picture (SIAP) System Engineering Organization (JSSEO) Standard Event Test Report Template 2004 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.

Software Engineering Aspects of Continuous Development and New Paradigms of Software Production and Deployment Jean-Michel Bruel 2019-01-18 This book constitutes revised selected papers from the First International Workshop on Software Engineering Aspects of Continuous Development and New Paradigms of Software Production and Deployment, DEVOPS 2018, held at the hateau de Villebrumier, France, in March 2018. The 17 papers presented in this volume were carefully reviewed and selected from 23 submissions. They cover a wide range of problems arising from Devops and related approaches, current tools, rapid development-deployment processes, effects on team performance, analytics, trustworthiness, microservices and related topics.

Proceedings of the ASME International Design Engineering Technical Conferences and Computers and Information in Engineering Conference 2005 American Society of Mechanical Engineers, Design Engineering Division Staff 2005

Effective Methods for Software Engineering Boyd L. Summers 2020-07-29 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.

Model Driven Architecture - Foundations and Applications Ina Schieferdecker 2008-05-30 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 specification, 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 ?cientindustry,producingmore reliable software on the basis of state-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. There are so many people whodeserve warm thanks and gratitude. The fru- ful collaboration of the Organization, Steering and Program Committee members and the vibrant community led to a successful conference. ECMDA-FA 2008 obtained excellent results in terms of submissions, programs, size, and attendance. 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.

Technical Reports Awareness Circular : TRAC. 1987-05

Technical Report Tennessee Valley Authority 1960

Department of Defense Authorization for Appropriations for Fiscal Year 1991 United States. Congress. Senate. Committee on Armed Services 1991

Technologies and Innovation Rafael Valencia-García 2016-11-07 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.

Social Engineering Christopher Hadnagy 2010-11-29 The first book to reveal and dissect the technical aspect of many social engineering maneuvers From elicitation, pretexting, influence and manipulation all aspects of social engineering are picked apart, discussed and explained by using real world examples, personal experience and the science behind them to unravel the mystery in social engineering. Kevin Mitnick—one of the most famous social engineers in the world—popularized the term “social engineering.” He explained that it is much easier to trick someone into revealing a password for a system than to exert the effort of hacking into the system. Mitnick claims that this social engineering tactic was the single-most effective method in his arsenal. This indispensable book examines a variety of maneuvers that are aimed at deceiving unsuspecting victims, while it also addresses ways to prevent social engineering threats. Examines social engineering, the science of influencing a target to perform a desired task or divulge information Arms you with invaluable information about the many methods of trickery that hackers use in order to gather information with the intent of executing identity theft, fraud, or gaining computer system access Reveals vital steps for preventing social engineering threats Social Engineering: The Art of Human Hacking does its part to prepare you against nefarious hackers—now you can do your part by putting to good use the critical information within its pages.

Guide to Advanced Empirical Software Engineering Forrest Shull 2007-11-21 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

High Performance Computing in Science and Engineering Tomáš Kozubek 2016-06-02 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 Solán, 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.

Technical Report - U.S. Army, Corps of Engineers, Coastal Engineering Research Center Coastal Engineering Research Center (U.S.) 1954

Engineering Communication: A Practical Guide to Workplace Communications for Engineers David Ingre 2016-01-01 **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 the ebook version.

Software Quality Management II: Building quality into software M. Ross 1994

What Every Engineer Should Know About Business Communication John X. Wang 2008-05-15 Engineers must possess a range of business communication skills that enable them to effectively communicate the purpose and relevance of their idea, process, or technical design. This unique business communication text is packed with practical advice that will improve your ability to— Market ideas Write proposals Generate enthusiasm for research Deliver presentations Explain a design Organize a project team Coordinate meetings Create technical reports and specifications Focusing on the three critical communication needs of engineering professionals—speaking, writing, and listening—the book delineates critical communication strategies required in many group settings and work situations. It demonstrates how to integrate a marketing strategy into every facet of engineering communication, from presentations, visual aids, proposals, and technical reports to e-mail and phone calls. Using situational examples, the book also illustrates how to use computers, graphics, and other engineering tools to effectively communicate with other engineers and managers.

Engineering Secure Future Internet Services and Systems Maritta Heisel 2014-05-22 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 NESoS project researchers. The engineering approach of the Network of Excellence NESoS, funded by the European Commission, is based on the principle of addressing security concerns from the 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 NESoS research areas: security requirements for Future Internet services; creating secure service architectures and secure service 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.

System Engineering Analysis, Design, and Development Charles S. Wasson 2015-12-02 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.

Formulating SAE and Its Systems Engineering Approach Prout Lisa Jean 2004

DNA Computing Natasa Jonoska 2002-05-28 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.

Methods and Concepts for Designing and Validating Smart Grid Systems Thomas I. Strasser 2019-11-20 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 elusive. 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.

HCI in Work and Learning, Life and Leisure Gerhard Leitner 2010-11-02 Because of the fast developments in information and communication technologies (ICT), the ?elds of application of HCI and UE are broader than ever.

Louisiana Coastal Area, Barataria Basin Barrier Shoreline Restoration Project Lafourche, Jefferson, and Plaquemines Parishes, Louisiana

Final Report United States. Office of the Assistant Secretary of the Army (Civil Works) 2013

Enterprise Information Systems Joaquim Filipe 2011-03-07 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 62 full 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.

How to Write Technical Reports Lutz Hering 2010-10-14 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.

Engineering Communication Charles W. Knisely 2014-01-01 A practical how-to book, ENGINEERING COMMUNICATION is more than a guidebook for creating clear, accurate and engaging communication -- it is a complete teaching tool that includes the use of technology to produce dynamic written, oral, and visual communication. There are numerous complete examples, many taken directly from either student or business samples. It also asks students to critically examine the goals and methods of engineering communication. Written with step-by-step instruction on how to create both written and oral communication, the pedagogy includes end-of-chapter exercises to give the students opportunity to use what they have learned, and for the instructor to assess student mastery. Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

Formal and Practical Aspects of Domain-Specific Languages: Recent Developments Mernik, Marjan 2012-09-30 "This book presents current research on all aspects of domain-specific language for scholars and practitioners in the software engineering fields, providing new results and answers to open problems in DSL research"--

A Laboratory Course in Tissue Engineering Melissa Kurtis Micou 2016-04-19 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