Seismic Isolation Product Line Up Bridgestone

Software Architecture **Software Product Lines** Feature-Oriented Software Product Lines *How to Measure Anything* Isolation Technology **NASA Tech Briefs Aspect '94** *EPA 600/2* State-of-the-art Procedures and Equipment for Internal Inspection of Underground Storage Tanks **Natural Products Isolation Bioactive Natural Products From Microbes: Isolation, Characterization, Biosynthesis and Structure Modification** Applied Software Product Line Engineering Price Management **Formal Methods for Components and Objects Isolation of Results Dynamic Response of Infrastructure to Environmentally Induced Loads Bioactive Natural Products** Leveraging Applications of Formal Methods, Verification and Validation **Safety and Health for Engineers** Isolation and Purification of Proteins Recent Advances and Applications of Seismic Isolation and Energy Dissipation Devices *Listeria, Listeriosis, and Food Safety, Third Edition* **Proceedings of the 13th Reinventing Space Conference EBOOK: Principles and Practice of Marketing, 9e** *The Dictionary of Marketing* **The Journal of NIH Research Aspect-Oriented, Model-Driven Software Product Lines** Software Product Lines Product Lines for Digital Information Products **Design of Advanced Manufacturing Systems Guidelines on Active Content and Mobile Code Pipeline Pigging Technology** *Natural Product Extraction* **Comprehensive Biotechnology** *Distillation Troubleshooting SDL 2015: Model-Driven Engineering*

for Smart Cities Storage Tanks Houston/West *Total Supply Chain Management Software Product Lines* **Fiber optics weekly update**

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Applied Software Product Line Engineering Nov 19 2021 Over the last decade, software product line engineering (SPLE) has emerged as one of the most promising software development paradigms for increasing productivity in IT-related industries. Detailing the various aspects of SPLE implementation in different domains, Applied Software Product Line Engineering documents best practices with regard to system development.

Expert contributors from academia and industry come together and focus on core asset development, product development, and management, addressing the process, technical, and organizational issues needed to

meet the growing demand for information. They detail the adoption and diffusion of SPLE as a primary software development paradigm and also address technical and managerial issues in software product line engineering. Providing an authoritative perspective of the latest research and practice in SLPE, the text: Presents in-depth discussions and many industry / case studies Covers applications in various domains including automotive, business process management, and defense Organized according to the organizational, process, and technical aspects of software product lines within an organization Provides the expertise of a distinguished panel of global contributors Ever-increasing global competition coupled with a fragile world economy means that the pressure is on for software engineers and software process improvement professionals to find ways to meet the needs of expanding markets—with greater efficiency and effectiveness. This book arms readers with the insight needed to harness the power of SPLE to increase productivity, reduce time to market, and to handle the growing diversity in the quickly evolving global marketplace. **Formal Methods for Components and Objects** Sep 17 2021 Formal methods have been applied successfully to the verification of medium-sized programs in protocol and hardware design for some time. However, their application to the development of large systems requires more emphasis on specification, modeling, and validation techniques supporting the concepts of reusability and modifiability, and their implementation in new extensions of existing programming languages like Java. This book contains 20 revised papers submitted after the 10th Symposium on Formal Methods for Components and Objects, FMCO 2011, which was held in Turin, Italy, in October 2011. Topics covered

include autonomic service-component ensembles; trustworthy eternal systems via evolving software, data, and knowledge; parallel patterns for adaptive heterogeneous multicore systems; programming for future 3D architectures with many cores; formal verification of object oriented software; and an infrastructure for reliable computer systems.

Total Supply Chain Management Aug 24 2019 The latest book from a successful author team, this essential handbook provides the basic concepts, tools and techniques to support a supply chain excellence initiative. The book shows how to add value to an organisation through the optimum use of resources and supply chain elements and through the provision of improved customer satisfaction. Resources are defined as all available resources, whether owned or borrowed along the complete supply chain, from the supplier's supplier, through to the customer's customer. Specific supply chain issues and opportunities related to service industries, e-Supply Chain and emerging markets like India are key features of this book.

Storage Tanks Houston/West Sep 25 2019

Isolation Technology Jun 26 2022 The most significant changes in isolation technology during the past five years have not been in the technology itself but in its increased acceptance. This acceptance is clearly demonstrated by the series of monographs, guidelines, and standards produced by regulatory bodies to describe best practice in the design and operation of isolators. Thoroughly revised and updated, Isolation Technology: A Practical Guide, Second Edition provides an in-depth overview of new standards and new technology. Here's what's new in the Second Edition: " Descriptions of and comments on new guidelines and standards " Technological advances - such

as the new breed of sanitizing gas generators " Updates that reflect current thinking and new information Drawing on his vast experience in this field, the author delineates practical ways to improve product standards, increase operator productivity, efficiency and safety, and cut costs. Carefully designed for easy understanding by readers from multiple fields, the book reviews the how-tos for setting up clean rooms and techniques for maintaining sterility, and includes case studies, resource listings, and numerous photographs. The combination of up-to-date information and the author's clear writing style make this the ideal resource for both experienced and beginning professionals.

Bioactive Natural Products From Microbes: Isolation, Characterization, Biosynthesis and Structure Modification Dec 21 2021 Leveraging Applications of Formal Methods, Verification and Validation May 14 2021 The two-volume set LNCS 7609 and 7610 constitutes the thoroughly refereed proceedings of the 5th International Symposium on Leveraging Applications of Formal Methods, Verification and Validation, held in Heraklion, Crete, Greece, in October 2012. The two volumes contain papers presented in the topical sections on adaptable and evolving software for eternal systems, approaches for mastering change, runtime verification: the application perspective, model-based testing and model inference, learning techniques for software verification and validation, LearnLib tutorial: from finite automata to register interface programs, RERS grey-box challenge 2012, Linux driver verification, bioscientific data processing and modeling, process and data integration in the networked healthcare, timing constraints: theory meets practice, formal methods for the development and certification of X-by-wire control systems, quantitative modelling and analysis,

software aspects of robotic systems, process-oriented geoinformation systems and applications, handling heterogeneity in formal development of HW and SW Systems.

Software Product Lines Sep 29 2022 Software product lines are emerging as a critical new paradigm for software development. Product lines are enabling organizations to achieve impressive time-to-market gains and cost reductions. With the increasing number of product lines and product-line researchers and practitioners, the time is right for a comprehensive examination of the issues surrounding the software product line approach. The Software Engineering Institute at Carnegie Mellon University is proud to sponsor the first conference on this important subject. This book comprises the proceedings of the First Software Product Line Conference (SPLC1), held August 28-31, 2000, in Denver, Colorado, USA. The twenty-seven papers of the conference technical program present research results and experience reports that cover all aspects of software product lines. Topics include business issues, enabling technologies, organizational issues, and life-cycle issues. Emphasis is placed on experiences in the development and fielding of product lines of complex systems, especially those that expose problems in the design, development, or evolution of software product lines. The book will be essential reading for researchers and practitioners alike.

SDL 2015: Model-Driven Engineering for Smart Cities Oct 26 2019 This book constitutes the proceedings of the 17th International System Design Language Forum, SDL 2015, held in Berlin, Germany, in October 2015. The 15 full papers and 4 short papers presented in this volume were carefully reviewed and selected from 26 submissions. They are organized in topical sections named: smart cities and

distributed systems; specification and description language; domain specific languages; goal modeling; use-case modeling; and model-based testing.

Pipeline Pigging Technology Feb 29 2020 This reference focuses on oil, gas, and products pipeline, both on- and offshore. You'll understand why, when, and how to pig a line.

EBOOK: Principles and Practice of Marketing, 9e Nov 07 2020 EBOOK: Principles and Practice of Marketing, 9e

Fiber optics weekly update Jun 22 2019 Feature-Oriented Software Product Lines Aug 29 2022

While standardization has empowered the software industry to substantially scale software development and to provide affordable software to a broad market, it often does not address smaller market segments, nor the needs and wishes of individual customers. Software product lines reconcile mass production and standardization with mass customization in software engineering. Ideally, based on a set of reusable parts, a software manufacturer can generate a software product based on the requirements of its customer. The concept of features is central to achieving this level of automation, because features bridge the gap between the requirements the customer has and the functionality a product provides. Thus features are a central concept in all phases of product-line development. The authors take a developer's viewpoint, focus on the development, maintenance, and implementation of product-line variability, and especially concentrate on automated product derivation based on a user's feature selection. The book consists of three parts. Part I provides a general introduction to feature-oriented software product lines, describing the product-line approach and introducing the product-line development process with its two elements

of domain and application engineering. The pivotal part II covers a wide variety of implementation techniques including design patterns, frameworks, components, feature-oriented programming, and aspect-oriented programming, as well as tool-based approaches including preprocessors, build systems, version-control systems, and virtual separation of concerns. Finally, part III is devoted to advanced topics related to feature-oriented product lines like refactoring, feature interaction, and analysis tools specific to product lines. In addition, an appendix lists various helpful tools for software product-line development, along with a description of how they relate to the topics covered in this book. To tie the book together, the authors use two running examples that are well documented in the product-line literature: data management for embedded systems, and variations of graph data structures. They start every chapter by explicitly stating the respective learning goals and finish it with a set of exercises; additional teaching material is also available online. All these features make the book ideally suited for teaching – both for academic classes and for professionals interested in self-study.

EPA 600/2 Mar 24 2022

Natural Product Extraction Jan 28 2020 Natural products are used by the food, pharmaceutical and cosmetics industries, and extraction technologies and potential applications for plant extracts are of interest to many industrial sectors. Extraction of natural products in an economic and environmentally friendly way is of high importance to all industries involved. The second edition of this book presents an updated, holistic, in-depth view of the more environmentally benign techniques available for the extraction of natural products, along with their newest applications and case studies. Conventional and emerging

extraction techniques are discussed in detail. New topics include enzymes, pulsed electric energy, and on-line/in-line analysis. Written for academics and industrialists working in both natural product extraction and green chemistry, this new edition provides a valuable update on current trends in the field. **Proceedings of the 13th Reinventing Space Conference** Dec 09 2020 Reinventing Space is the largest global conference and exhibition for one of the space industry's fastest growing sectors. Over its 82-year history, the British Interplanetary Society has acted as a forum for new and innovative ideas and developments in astronautics, low-cost access and utilization of space. These conference proceedings reflect the work done at the 13th Reinventing Space Conference, the second biggest space event in the UK during 2015. The global economic climate is creating demand to reduce expenditure, leading to new challenges and opportunities in the world's space industry. The need to create more responsive systems and launchers that are capable of delivering to space quickly, cheaply and reliably has never been more vital. This collection from RIspace brings together industry, agency, government, financiers, academia and end users. It focuses on the commercialization of space and addresses a range of topics including low-cost launch opportunities, the rebirth of constellations, beyond LEO activities and novel technologies. These papers encourage and promote forward-thinking ideas and concepts for the future exploration and utilization of space. The proceedings address: • New ways of doing business in space – how do we make money on affordable and responsive space missions? • Tactical space systems – how do we best serve the needs of defense missions; civilian missions; the needs of

emergency responders? • Interplanetary missions – can we use new technology to explore the Solar System at dramatically lower cost? • What are the methods, processes, and technologies that we can use to make major reductions in the cost of space missions? • New application areas for low-cost space systems – which ones can take advantage of newer, much lower-cost systems? • How do we educate and motivate the coming generation, without whom there won't be a space industry?
The Journal of NIH Research Sep 05 2020
Safety and Health for Engineers Apr 12 2021 SAFETY AND HEALTH FOR ENGINEERS A comprehensive resource for making products, facilities, processes, and operations safe for workers, users, and the public Ensuring the health and safety of individuals in the workplace is vital on an interpersonal level but is also crucial to limiting the liability of companies in the event of an onsite injury. The Bureau of Labor Statistics reported over 4,700 fatal work injuries in the United States in 2020, most frequently in transportation-related incidents. The same year, approximately 2.7 million workplace injuries and illnesses were reported by private industry employers. According to the National Safety Council, the cost in lost wages, productivity, medical and administrative costs is close to 1.2 trillion dollars in the US alone. It is imperative—by law and ethics—for engineers and safety and health professionals to drive down these statistics by creating a safe workplace and safe products, as well as maintaining a safe environment. Safety and Health for Engineers is considered the gold standard for engineers in all specialties, teaching an understanding of many components necessary to achieve safe workplaces, products, facilities, and methods to secure safety for workers, users, and the public.

Each chapter offers information relevant to help safety professionals and engineers in the achievement of the first canon of professional ethics: to protect the health, safety, and welfare of the public. The textbook examines the fundamentals of safety, legal aspects, hazard recognition and control, the human element, and techniques to manage safety decisions. In doing so, it covers the primary safety essentials necessary for certification examinations for practitioners. Readers of the fourth edition of Safety and Health for Engineers readers will also find: Updates to all chapters, informed by research and references gathered since the last publication The most up-to-date information on current policy, certifications, regulations, agency standards, and the impact of new technologies, such as wearable technology, automation in transportation, and artificial intelligence New international information, including U.S. and foreign standards agencies, professional societies, and other organizations worldwide Expanded sections with real-world applications, exercises, and 164 case studies An extensive list of references to help readers find more detail on chapter contents A solution manual available to qualified instructors Safety and Health for Engineers is an ideal textbook for courses in safety engineering around the world in undergraduate or graduate studies, or in professional development learning. It also is a useful reference for professionals in engineering, safety, health, and associated fields who are preparing for credentialing examinations in safety and health.

Natural Products Isolation Jan 22 2022 Natural Products Isolation: Second Edition presents a practical overview of just how natural products can be extracted, prepared, and isolated from the source material. Maintaining the main theme and philosophy of the first edition, this second edition

incorporates all the new significant developments in this field of research. The chapters are divided into four distinct sections: introduction, extraction, chromatography, and special topics. This second edition provides substantial backround information for natural product researchers and will prove a useful reference guide to all of the available techniques.

Software Architecture Oct 31 2022 Software architecture is foundational to the development of large, practical software-intensive applications. This brand-new text covers all facets of software architecture and how it serves as the intellectual centerpiece of software development and evolution. Critically, this text focuses on supporting creation of real implemented systems. Hence the text details not only modeling techniques, but design, implementation, deployment, and system adaptation -- as well as a host of other topics -- putting the elements in context and comparing and contrasting them with one another. Rather than focusing on one method, notation, tool, or process, this new text/reference widely surveys software architecture techniques, enabling the instructor and practitioner to choose the right tool for the job at hand. Software Architecture is intended for upper-division undergraduate and graduate courses in software architecture, software design, component-based software engineering, and distributed systems; the text may also be used in introductory as well as advanced software engineering courses.

Guidelines on Active Content and Mobile Code Mar 31 2020 The private and public sectors depend heavily upon info. tech. systems to perform essential, mission-critical functions. As existing technology evolves and new technologies are introduced to provide improved capabilities and advanced features in systems, new technology-related vulnerabilities often

arise. Organizations implementing and using advanced technologies must be on guard. One such category of technologies is active content, which refers to electronic documents that can carry out or trigger actions automatically without an individual directly or knowingly invoking the actions. Exploits based on vulnerabilities in active content technologies can be insidious. This report recommends key guidelines for dealing with active content. Illus.

Comprehensive Biotechnology Dec 29 2019 Comprehensive Biotechnology, Third Edition unifies, in a single source, a huge amount of information in this growing field. The book covers scientific fundamentals, along with engineering considerations and applications in industry, agriculture, medicine, the environment and socio-economics, including the related government regulatory overviews. This new edition builds on the solid basis provided by previous editions, incorporating all recent advances in the field since the second edition was published in 2011. Offers researchers a one-stop shop for information on the subject of biotechnology Provides in-depth treatment of relevant topics from recognized authorities, including the contributions of a Nobel laureate Presents the perspective of researchers in different fields, such as biochemistry, agriculture, engineering, biomedicine and environmental science

Distillation Troubleshooting Nov 27 2019 THE FIRST BOOK OF ITS KIND ON DISTILLATION TECHNOLOGY The last half-century of research on distillation has tremendously improved our understanding and design of industrial distillation equipment and systems. High-speed computers have taken over the design, control, and operation of towers. Invention and innovation in tower internals have greatly enhanced tower capacity and efficiency. With all these

advances, one would expect the failure rate in distillation towers to be on the decline. In fact, the opposite is the case: the tower failure rate is on the rise and accelerating. Distillation Troubleshooting collects invaluable hands-on experiences acquired in dealing with distillation and absorption malfunctions, making them readily accessible for those engaged in solving today's problems and avoiding tomorrow's. The first book of its kind on the distillation industry, the practical lessons it offers are a must for those seeking the elusive path to trouble-free distillation. Distillation Troubleshooting covers over 1,200 case histories of problems, diagnoses, solutions, and key lessons. Coverage includes: * Successful and unsuccessful struggles with plugging, fouling, and coking * Histories and prevention of tray, packing, and internals damage * Lessons taught by incidents and accidents during shutdowns, commissioning, and abnormal operation * Troubleshooting distillation simulations to match the real world * Making packing liquid distributors work * Plant bottlenecks from intermediate draws, chimney trays, and feed points * Histories of and key lessons from explosions and fires in distillation towers * Prevention of flaws that impair reboiler and condenser performance * Destabilization of tower control systems and how to correct it * Discoveries from shutdown inspections * Suppression of foam and accumulation incidents A unique resource for improving the foremost industrial separation process, Distillation Troubleshooting transforms decades of hands-on experiences into a handy reference for professionals and students involved in the operation, design, study, improvement, and management of large-scale distillation.

NASA Tech Briefs May 26 2022

Price Management Oct 19 2021 In this book, the world's

foremost experts on pricing integrate theoretical rigor and practical application to present a comprehensive resource that covers all areas of the field. This volume brings together quantitative and qualitative approaches and highlights the most current innovations in theory and practice. Going beyond the traditional constraints of "price theory" and "price policy," the authors coined the term "price management" to represent a holistic approach to pricing strategy and tactical implementation. They remind us that the Ancient Romans used one word, pretium, to mean both price and value. This is the fundamental philosophy that drives successful price management where producer and customer meet. Featuring dozens of examples and case studies drawn from their extensive research, consulting, and teaching around the world, Simon and Fassnacht cover all aspects of pricing following the price management process with its four phases: strategy, analysis, decision, and implementation. Thereby, the authors take into account the nuances across industry sectors, including consumer goods, industrial products, services, and trade/distribution. In particular, they address the implications of technological advancements, such as the Internet and new measurement and sensor technologies that have led to a wealth of price management innovations, such as flat rates, freemium, pay-per-use, or pay-what-you-want. They also address the emergence of new price metrics, Big Data applications, two-sided price systems, negative prices, and the sharing economy, as well as emerging payment systems such as bitcoin. The result is a "bible" for leaders who recognize that price is not only a means to drive profit in the short term, but a tool to generate sustained growth in shareholder value over the longer term, and a primer for

researchers, instructors, and students alike. Praise for Price Management "This book is truly state of the art and the most comprehensive work in price management." - Prof. Philip Kotler, Kellogg School of Management, Northwestern University "This very important book builds an outstanding bridge between science and practice." - Kasper Rorsted, CEO, Adidas "This book provides practical guidelines on value creation, communication and management, which is an imperative for businesses to survive in the coming era of uncertainty." - Dr. Chang-Gyu Hwang, Chairman and CEO, KT Corporation (Korea Telecom)

Aspect-Oriented, Model-Driven Software Product Lines Aug 05 2020 Software product lines provide a systematic means of managing variability in a suite of products. They have many benefits but there are three major barriers that can prevent them from reaching their full potential. First, there is the challenge of scale: a large number of variants may exist in a product line context and the number of interrelationships and dependencies can rise exponentially. Second, variations tend to be systemic by nature in that they affect the whole architecture of the software product line. Third, software product lines often

serve different business contexts, each with its own intricacies and complexities. The AMPLE (http://www.ample-project.net/) approach tackles these three challenges by combining advances in aspect-oriented software development and model-driven engineering. The full suite of methods and tools that constitute this approach are discussed in detail in this edited volume and illustrated using three real-world industrial case studies. **Design of Advanced Manufacturing Systems** May 02 2020 Since manufacturing has acquired industrial relevance, the problem of adequately sizing

manufacturing plants has always been discussed and has represented a di?cult problem for the enterprises, which prepare strategic plans to competitively operate in the market. Manufact- ing capacity is quite expensive and its exploitation and planning must be carefully designed in order to avoid large wastes, or to preserve the survival of enterprises in the market. Indeed a good choice of ma- facturing capacity can result in improved performance in terms of cost, innovativeness, ?exibility, quality and service delivery. Unfortunately the capacity planning problem is not easy to solve because of the lack of clarity in the decisional process, the large number of variables involved, the high correlation among variables and the high level of uncertainty that inevitably a?ects decisions. The aim of this book is to provide a framework and speci?c methods and tools for the selection and con?guration of capacity of Advanced Manufacturing Systems (AMS). In particular this book de?nes an - chitecture where the multidisciplinary aspects of the designofAMSare properly organized and addressed. The tool will support the decisi- maker in the de?nition of the con?guration of the system which is best suited for the particular competitive context where the ?rm operates or wants tooperate. Thisbookisofinterest for academic researchers in the ?eldofind- trial engineering and particularly indicated in the areas of operations and manufacturing strategy. Isolation and Purification of Proteins Mar 12 2021 This publication details the isolation of proteins from biological materials, techniques for solid-liquid separation, concentration, crystallization, chromatography, scale-up, process monitoring, product formulation, and regulatory and commercial considerations in protein production. The authors discuss the release of protein from a biological host,

selectivity in affinity chromatography, precipitation of proteins (both non-specific and specific), extraction for rapid protein isolation, adsorption as an initial step for the capture of proteins, scale-up and commercial production of recombinant proteins, and process monitoring in downstream processing. State-of-the-art Procedures and Equipment for Internal Inspection of Underground Storage Tanks Feb 20 2022 Recent Advances and Applications of Seismic Isolation and Energy Dissipation Devices Feb 08 2021 This eBook is a collection of articles from a Frontiers Research Topic. Frontiers Research Topics are very popular trademarks of the Frontiers Journals Series: they are collections of at least ten articles, all centered on a particular subject. With their unique mix of varied contributions from Original Research to Review Articles, Frontiers Research Topics unify the most influential researchers, the latest key findings and historical advances in a hot research area! Find out more on how to host your own Frontiers Research Topic or contribute to one as an author by contacting the Frontiers Editorial Office: frontiersin.org/about/contact. **Aspect '94** Apr 24 2022 Aspect '94 is the most up-to-date and comprehensive assessment of the present and future of the pipeline systems industry. It comprises papers from leading experts in all areas of pipeline engineering and technology. As this book shows, the last few years have seen great strides forward in the field of subsea pipelines. Deepwater pipelines, long distance pipelines and complex systems transporting hydrocarbons and fluids to and from marginal field subsea wellheads and templates are all being implemented without significant problems. The pace of progress continues to accelerate in the subsea industry, and the scope to make further improvements is constantly being explored.

Operators, consultants, suppliers and contractors are all researching, developing and testing new techniques and ideas.

The Dictionary of Marketing Oct 07 2020 The Dictionary of Marketing has been carefully designed to give both the expert and the student/newcomer overviews and succinct presentations of the most important traditional and contemporary issues in marketing.The Dictionary of Marketing contains more than 4000, A-to-Z terms and definitions covering marketing, advertising, market research, consumer behavior, marketing mix, international marketing and virtually all facets of sales

and marketing operations. Key Features -Contains comprehensive collection of more than 4000 up-to-date, accurate major terms and concepts that are essential for understanding basic functions of marketing. -All entries explained in clear, simple English considering learning and memory level of both students and professionals - International entries are included to give the reader a greater awareness of the language of marketing than has been previously available Software Product Lines Jul 04 2020 This book constitutes the refereed proceedings of the Third International Software Product Line Conference, SPLC

2004, held in Boston, MA, USA in August/September 2004. The 18 revised full technical papers presented together with a keynote abstract and summaries of panels, tutorials, and workshops were carefully reviewed and selected for inclusion in the book. Organized in sections on business, architecture, and quality assurance, the papers address topics ranging from how to start a software product line in a company, to case studies of mature product lines and the technology used, to test strategies of product lines, to strategies and notations for creating product line architectures, and to the importance of binding times in

creating product lines. *Software Product Lines* Jul 24 2019 Software product lines are emerging as an important new paradigm for so- ware development. Product lines are enabling organizations to achieve impressive time-to-market gains and cost reductions. In 1997, we at the Software Engine- ing Institute (SEI) launched a Product Line Practice Initiative. Our vision was that product line development would be a low-risk, high-return proposition for the entire software engineering community. It was our hope from the beginning that there would eventually be su?cient interest to hold a conference. The First Software Product Line Conference (SPLC1) was the realization of that hope. Since SPLC1, we have seen a growing interest in software product lines. Companies are launching their own software product line initiatives, product line technical and business practices are maturing, product line tool vendors are emerging, and books on product lines are being published. Motivated by the enthusiastic response to SPLC1 and the increasing number of software product lines and product line researchers and practitioners, the SEI is proud to sponsor this second conference dedicated to software product lines. We were grati?ed by the submissions to SPLC2 from all parts of the globe, from government and commercial organizations. From these submissions we were able to assemble a rich and varied conference program with unique opportunities for software product line novices, experts, and those in between. This collection represents the papers selected from that response and includes research and experience reports. **Bioactive Natural Products** Jun 14 2021 Bioactive natural products are proving to be a rich source of novel therapeutics to both protect against and combat diseases, as well as serve as lead compounds in crop protection.

Following the successful format of the first edition, this volume brings together collective research from many new contributors and emphasizes the rationale behind the *Listeria, Listeriosis, and Food Safety, Third Edition* Jan 10 2021 Since the second edition of Listeria, Listeriosis, and Food Safetywas published in 1999, the United States has seen a 40 percent decline in the incidence of listeriosis, with the current annual rate of illness rapidly approaching the 2010 target of 2.5 cases per million. Research on this food-borne pathogen, however, has continued unabated, concentrating in the last five years on establishing risk assessments to focus limited financial resources on certain high-risk foods. Listeria, Listeriosis, and Food Safety, Third Edition summarizes much of the newly published literature and integrates this information with earlier knowledge to present readers with a complete and current overview of foodborne listeriosis. Two completely new chapters have been added to this third edition. The first deals with risk assessment, cost of foodborne listeriosis outbreaks, and regulatory control of the Listeria problem in various countries. The second identifies specific data gaps and directions for future research efforts. All of the chapters from the second edition have been revised, many by new authors, to include updated information on listeriosis in animals and humans, pathogenesis and characteristics of Listeria monocytogenes, methods of detection, and subtyping. The text covers the incidence and behavior of Listeria monocytogenes in many high-risk foods including, fermented and unfermented dairy products, meat, poultry, and egg products, fish and seafood products, and products of plant origin. Upholding the standard of the first two editions, Listeria, Listeriosis, and Food Safety, Third Edition provides the most current information to

food scientists, microbiologists, researchers, and public health practitioners.

Product Lines for Digital Information Products Jun 02 2020 Digital information products are an important class of widely used digital products, whose core benefit is the delivery of information or education (e.g., electronic books, online newspapers, e-learning courses).This book introduces a novel and systematic approach, Product Lines for Digital Information Products (PLANT), which focuses on the creation of variants of such products within a product line, and which extends concepts from the area of software product lines.

Isolation of Results Aug 17 2021 Isolation of Results Isolation of Results is the third of six books in the Measurement and Evaluation Series from Pfeiffer. The proven ROI Methodology-- developed by the ROI Institute--provides a practical system for evaluation planning, data collection, data analysis, and reporting. All six books in the series offer the latest tools, most current research, and practical advice for measuring ROI in a variety of settings. To bring credibility to a project it is vital to isolate the effects of a program on business data. Isolation of Results focuses on this critical topic, arguably the most valuable part of the ROI Methodology. The authors acknowledge that other factors can influence results, and this important resource shows a variety of ways in which the effects of the program can be isolated from other influences. The techniques presented include the most reliable and rigorous approaches and also contain the more subjective methods. Isolation of Results offers a comprehensive review of the topic and contains information about using control group arrangements, trend line analysis, forecasting, expert estimation, and adjustments. The book also addresses issues of credibility of the method.

Dynamic Response of

Infrastructure to Environmentally Induced Loads Jul 16 2021 This book provides state of the art coverage of important current issues in the analysis, measurement, and monitoring of the dynamic response of infrastructure to environmental loads, including those induced by earthquake motion and differential soil settlement. The coverage is in five parts that address numerical methods in structural dynamics, soil–structure interaction analysis, instrumentation and structural health monitoring, hybrid experimental mechanics, and structural health monitoring for bridges. Examples that give an impression of the scope of the topics discussed include the seismic analysis of bridges, soft computing in earthquake engineering, use of hybrid methods for soil–structure interaction analysis, effects of local site conditions on the inelastic dynamic analysis of bridges, embedded models in wireless sensor networks for structural health monitoring, recent developments in seismic simulation methods, and seismic performance assessment and retrofit of structures. Throughout, the emphasis is on the most significant recent advances and new material. The book comprises extended versions of contributions delivered at the DE-GRIE Lab Workshop 2014, held in Thessaloniki, Greece, in November 2014.

How to Measure Anything Jul 28 2022 Now updated with new measurement methods and new examples, How to Measure Anything shows managers how to inform themselves in order to make less risky, more profitable business decisions This insightful and eloquent book will show you how to measure those things in your own business, government agency or other organization that, until now, you may have considered "immeasurable," including customer satisfaction, organizational flexibility, technology risk, and technology ROI. Adds new

measurement methods, showing how they can be applied to a variety of areas such as risk management and customer satisfaction Simplifies overall content while still making the more technical applications available to those readers who want to dig deeper Continues to boldly assert that any perception of "immeasurability" is based on certain popular misconceptions about measurement and measurement methods Shows the common reasoning for calling something immeasurable, and sets out to correct those ideas Offers practical methods for measuring a variety of "intangibles" Provides an online database (www.howtomeasureanything.com) of downloadable, practical examples worked out in detailed spreadsheets Written by recognized expert Douglas Hubbard—creator of Applied Information Economics—How to Measure Anything, Third Edition illustrates how the author has used his approach across various industries and how any problem, no matter how difficult, ill defined, or uncertain can lend itself to measurement using proven methods.