Agile Service Development Combining Adaptive Methods And Flexible Solutions

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Systems, Software and Services Process Improvement - Fergal McCaffery 2013-06-12
This volume constitutes the refereed proceedings of the 20th EuroSPI conference, held in Dundalk, Ireland, in June 2013. The 31 revised papers presented in this volume were carefully reviewed and selected. They are organized in topical sections on SPI Safety and Regulation Issues; SPI Lifecycle and Models; SPI Quality and Testing Issues; SPI Networks and Teams; SPI and Reference Models; SPI Implementation; Agile organisations and an agile management process group; Managing Diversity and Innovation; SPI and Measurement; Risk Management and Functional Safety Standards.

The Routledge Companion to Innovation Management - Jin Chen 2019-02-14
Innovation contributes to corporate competitiveness, economic performance and environmental sustainability. In the Internet era, innovation intelligence is transferred across borders and languages at an unprecedented rate, yet the ability to benefit from it seems to become more divergent among different corporations and countries. How much an organization can benefit from innovation largely depends on how well innovation is managed in it. Thus, there is a discernible increase in interest in the study of innovation management. This handbook provides a comprehensive guide to this subject. The handbook introduces the basic framework of innovation and innovation management. It also presents innovation management from the perspectives of strategy, organization and resource, as well as institution and culture. The book's comprehensive coverage on all areas of innovation management makes this a very useful reference for anyone interested in the subject.

Service Innovation For Sustainable Business: Stimulating, Realizing And Capturing The Value From Service Innovation - Kristensson Per 2019-02-26
Service innovation is a concept that, for the last decade, has received increased attention both among academics as well as practitioners. However, service innovation is a multi-fragmented concept which often induces confusion. The main purpose of the book is to discuss and explain what service innovation is, based on contemporary research. It explains service innovation from three different perspectives: stimulation, realization, and value capture.Stimulation: Focuses on the front-end of service innovation. It deals with structures, cultures, and processes that stimulates innovation. Idea management will be a central part of this, where the specifics with handling service ideas, both internally and externally, are illuminated.Realization: Deals with aspects on how to realize service innovations. This includes different aspects such as specific tools to be used for developing services, and also processes such as service design which aims to receive a better understanding of the customer or user. As co-creation is an important aspect of service innovation, this will also be dealt with. Finally, as many service innovations require behavior change (internally within the organization and externally among the receiving parties), this will also be covered.Value capture: Companies transitioning to become more service-oriented discover the need to reconsider old business models in order to capitalize on their service offerings. Services are often taken for granted and included in the price. This book will addresses the problem of going 'from free to fee'. In addition, the book also deals with the difficulties that involve moving from a traditional product-oriented logic to a more contemporary service-logic.

Multisystemic Resilience - Michael Ungar 2021
"Across diverse disciplines, the term resilience is appearing more and more often. However, while each discipline has developed theory and models to explain the resilience of the systems they study (e.g., a natural environment, a community post-disaster, the human mind, a computer network, or the economy), there is a lack of over-arching theory that describes: 1) whether the principles that underpin the resilience of one system are similar or different from the principles that govern resilience of other systems; 2) whether the resilience of one system affects the resilience of other co-occurring systems; and 3) whether a better understanding of resilience can inform the design of interventions, programs and policies that address "wicked" problems that are too complex to solve by changing one system at a time? In other words (and as only one example among many) are there similarities between how a person builds and sustains psychological resilience and how a forest, community or the business where he or she works remains successful and sustainable during periods of extreme adversity? Does psychological resilience in a human being influence the resilience of the forests (through a change in attitude towards conservation), community (through a healthy tolerance for differences) and businesses (by helping a workforce perform better) with which a person interacts? And finally, does this understanding of resilience help build better social and physical ecologies that support individual mental health, a sustainable environment and a successful economy at the same time?"--

SEIN 2007: Proceedings of the Third Collaborative Research Symposium on Security, E-Learning, Internet and Networking - Udo G. Bleimann 2007

The Art of Agile Development - James Shore 2008
For those considering Extreme Programming, this book provides no-nonsense advice on agile planning, development, delivery, and management taken from the authors' many years of experience. While plenty of books address the what and why of agile development, very few offer the information users can apply directly.

Multi-Agent Energy Systems Simulation - Tiago Pinto 2020-11-13
The synergy between artificial intelligence and power and energy systems is providing promising solutions to deal with the increasing complexity of the energy sector. Multi-agent systems, in particular, are widely used to simulate complex problems in the power and energy domain as they enable modeling dynamic environments and studying the interactions between the involved players. Multi-agent systems are suitable for dealing not only with problems related to the upper levels of the system, such as the transmission grid and wholesale electricity markets, but also to address challenges associated with the management of distributed generation, renewables, large-scale integration of electric vehicles, and consumption flexibility. Agent-based approaches are also being increasingly used for control and to combine simulation and emulation by enabling modeling of the details of buildings' electrical devices, microgrids, and smart grid components. This book discusses and highlights the latest advances and trends in multi-agent energy systems simulation. The addressed application topics include the design, modeling, and simulation of electricity markets operation, the management and scheduling of energy resources, the definition of dynamic energy tariffs for consumption and electrical vehicles charging, the large-scale integration of variable renewable energy sources, and mitigation of the associated power network issues.

Formal and Adaptive Methods for Automation of Parallel Programs Construction: Emerging Research and Opportunities - Doroshenko, Anatoliy 2020-08-28
Emerging scientific and industrial applications in today's world require significant computing power.

Modern software tools are available for such platforms but are relatively complex and require the use of innovative programming models. One promising area in modern software design is the development, analysis, and implementation of algorithms and adaptive methods. These advancements in programming are promising but lack relevant research and understanding. Formal and Adaptive Methods for Automation of Parallel Programs Construction: Emerging Research and Opportunities is an essential reference source that solves the problem of the development of efficient models, methods, and tools for parallel programming automation based on the algebra of algorithms, term rewriting, and auto-tuning paradigms. The results of this book will help to further develop and improve existing research on design, synthesis, and optimization of sequential and parallel algorithms and programs. Featuring research on topics such as auto-tuning methods, graphics processing, and algorithmic language, this book is ideally designed for mathematicians, software engineers, data scientists, researchers, academicians, and students seeking coverage on developing tools for automated design and parallel programs.

Business Law and Ethics: Concepts, Methodologies, Tools, and Applications - Management Association, Information Resources 2015-03-31

In modern business environments, ethical behavior plays a crucial role in success. Managers and business leaders must pay close attention to the ethics of their policies and behaviors to avoid a reputation-crushing scandal. Business Law and Ethics: Concepts, Methodologies, Tools, and Applications explores best practices business leaders need to navigate the complex landscape of legal and ethical issues on a day-to-day basis. Utilizing both current research and established conventions, this multi-volume reference is a valuable tool for business leaders, managers, students, and professionals in a globalized marketplace.

Product-Focused Software Process Improvement - Jürgen Münch 2007-06-21

The Eight International Conference on Product-Focused Software Process Impro- ment (PROFES 2007) brought together researchers and industrial practitioners to report new research results and exchange experiences and findings in the area of process and product improvement. The focus of the conference is on understanding, learning, evaluating, and improving the relationships between process improvement activities (such as the deployment of innovative defect detection processes) and their effects in products (such as improved product reliability and safety). Consequently, major topics of the conference include the evaluation of existing software process improvement (SPI) approaches in different contexts, the presentation of new or mo- fied SPI approaches, and the relation between SPI and new development techniques or emerging application domains. This year's conference theme focused on global software development. More and more products are being developed in distributed, global development environments with many customer–supplier relations in the value chain. Outsourcing, off-shoring, near-shoring, and even in-sourcing aggravate this trend further. Supporting such d- tributed development requires well-understood and accurately implemented devel- ment process interfaces, process synchronization, and an efficient process evolution mechanisms. Overcoming cultural barriers and implementing efficient communi- tion channels are some of the key challenges. It is clear that process improvement approaches also need to consider these new development contexts.

Developing Services for the Wireless Internet - Maurizio Morisio 2007-10-16

Developing Services for the Wireless Internet offers state-of-the-art technological knowledge and practical know-how to practitioners – project managers, software architects and designers, process engineers and quality assurance workers. The book supports the developers of services and applications for mobile phones, PDAs and smart phones. This new emerging domain is characterized by a very fast pace of change in the underlying technology, exposing products and applications to a constant risk of obsolescence. The relative youth of this field means that knowledge is comparatively limited. The book identifies an approach to mitigate the above risks by focusing on: The development process, the underlying technology and its effects on connectivity, and software architectures. It provides an essential tool kit for all working in this field.

The State of Open Data - Davies, Tim 2019-05-22

It's been ten years since open data first broke onto the global stage. Over the past decade, thousands of programmes and projects around the world have worked to open data and use it to address a myriad of social and economic challenges. Meanwhile, issues related to data rights and privacy have moved to the centre of public and political discourse. As the open data movement enters a new phase in its evolution, shifting to target real-world problems and embed open data thinking into other existing or emerging communities of practice, big questions still remain. How will open data initiatives respond to new concerns about privacy, inclusion, and artificial intelligence? And what can we learn from the last decade in order to deliver impact where it is most needed? The State of Open Data brings together over 60 authors from around the world to address these questions and to take stock of the real progress made to date across sectors and around the world, uncovering the issues that will shape the future of open data in the years to come.

Computer Applications for Database, Education and Ubiquitous Computing - Tai-hoon Kim 2012-11-27 This volume constitutes the refereed proceedings of the International Conferences, EL, DTA and UNESST 2012, held as part of the Future Generation Information Technology Conference, FGIT 2012, Kangwondo, Korea, in December 2012. The papers presented were carefully reviewed and selected from numerous submissions and focus on the various aspects of education and learning, database theory and application and u- and e-service, science and technology.

Encyclopedia of Organizational Knowledge, Administration, and Technology - Khosrow-Pour D.B.A., Mehdi 2020-09-29

For any organization to be successful, it must operate in such a manner that knowledge and information, human resources, and technology are continually taken into consideration and managed effectively. Business concepts are always present regardless of the field or industry – in education, government, healthcare, not-for-profit, engineering, hospitality/tourism, among others. Maintaining organizational awareness and a strategic frame of mind is critical to meeting goals, gaining competitive advantage, and ultimately ensuring sustainability. The Encyclopedia of Organizational Knowledge, Administration, and Technology is an inaugural five-volume publication that offers 193 completely new and previously unpublished articles authored by leading experts on the latest concepts, issues, challenges, innovations, and opportunities covering all aspects of modern organizations. Moreover, it is comprised of content that highlights major breakthroughs, discoveries, and authoritative research results as they pertain to all aspects of organizational growth and development including methodologies that can help companies thrive and analytical tools that assess an organization's internal health and performance. Insights are offered in key topics such as organizational structure, strategic leadership, information technology management, and business analytics, among others. The knowledge compiled in this publication is designed for entrepreneurs, managers, executives, investors, economic analysts, computer engineers, software programmers, human resource departments, and other industry professionals seeking to understand the latest tools to emerge from this field and who are looking to incorporate them in their practice. Additionally, academicians, researchers, and students in fields that include but are not limited to business, management science, organizational development, entrepreneurship, sociology, corporate psychology, computer science, and information technology will benefit from the research compiled within this publication.

Agile Service Development - Marc Lankhorst 2014-05-09

Economies around the globe have evolved into being largely service-oriented economies. Consumers no longer just want a printer or a car, they rather ask for a printing service or a mobility service. In addition, service-oriented organizations increasingly exploit new devices, technologies and infrastructures. Agility is the ability to deal with such changing requirements and environments. Agile ways of working embrace change as a positive force and harness it to the organization's competitive advantage. The approach described in this book focuses on the notion of a service as a piece of functionality that offers value to its customers. Instead of solely looking at agility in the context of system or software development, agility is approached in a broader context. The authors illustrate three kinds of agility that can be found in an agile enterprise: business, process and system agility. These three types of agility reinforce each other and establish the foundation for the agile enterprise. Architecture, patterns, models, and all of the best practices in system development contribute to agile service development and building agile applications. This book addresses two audiences. On the one hand, it aims at agile and architecture practitioners who are looking for more agile ways of working in designing and building business services or who are

interested in extending and improving their agile methods by using models and model-based architectures. On the other hand, it addresses students of (enterprise) architecture and software development or service science courses, both in computer science and in business administration.

The Agile Marketer Roland Smart 2016-02-12

The marketer's guide to modernizing platforms and practices Marketing in the digital era is a whole new game: it's fundamentally about competing on the customer experience. Marketers must integrate a complex set of technologies to capture the customer's digital body language—and thereby deliver the right experiences, at the right times, via the right channels. This approach represents a formidable technological and practical challenge that few marketers have experience with. The methods that enable marketers to meet this challenge are emerging from an unexpected place: the world of software development. The Agile methodologies that once revolutionized software development are now revolutionizing marketing. Agile provides the foundation for alignment between the marketing and product management sides. It can unleash a whole array of new marketing opportunities for growth hacking as well as for "baking" marketing directly into your products or services. Beyond that, as a discipline it can serve as a bridge to strategic alignment, positioning the chief marketing officer alongside the chief product officer as the two primary drivers of the business. Written by a premier practitioner of modern marketing, this book will provide you with: Insights on the evolution of product development and management in the organization—and why marketing must partner with them in the new era An understanding of Agile methods and their application to marketing A plan for integrating Agile with your traditional methods Tactics to drive alignment with product management A pathway to becoming the steward of customer experience Rich with examples, case studies, illustrations, and exercises drawn from the author's wide-ranging experience (from startups to a top global technology company), The Agile Marketer will help you transform marketing in your organization, in spirit and practice—and help realize its critical roles in product management and the customer experience.

Information Systems Development - George Angelos Papadopoulos 2009-09-23

This volume constitutes the published proceedings of the 17th International Conference on Information Systems Development. They present the latest and greatest concepts, approaches, and techniques of systems development - a notoriously transitional field.

The Agile Enterprise - Nirmal Pal 2005-05-26

One of the first widely available resources on the subject of adaptive enterprise. The text takes on a new and burgeoning field of study and development and provides the opportunity to help shape and guide the thinking of decision makers in the world of both public and private sectors. The authors contribute a wealth of experience from professional situations having worked for IBM Global Services Consulting Group and SAP Institute for Innovation and Development.

The Agile Approach to Adaptive Research - Michael J. Rosenberg 2010-02-18

Apply adaptive research to improve results in drug development The pharmaceutical industry today faces a deepening crisis: inefficiency in its core business, the development of new drugs. The Agile Approach to Adaptive Research offers a solution. It outlines how adaptive research, using already-available tools and techniques, can enable the industry to streamline clinical trials and reach decision points faster and more efficiently. With a wealth of real-world cases and examples, author Michael Rosenberg gives readers a practical overview of drug development, the problems inherent in current practices, and the advantages of adaptive research technology and methods. He explains the concepts, principles, and specific techniques of adaptive research, and demonstrates why it is an essential evolutionary step toward improving drug research and development. Chapters explore such subjects as: The adaptive concept Design and operational adaptations Sample-size reestimation Agile clinical development Safety and dose finding Statistics in adaptive research, including frequentist and Bayesian approaches Data management technologies The future of clinical development By combining centuries-old intellectual foundations, recent technological advances, and modern management techniques, adaptive research preserves the integrity and validity of clinical research but dramatically improves efficiency.

The Art of Agile Practice - Bhuvan Unhelkar 2013-03-21

The Art of Agile Practice: A Composite Approach for Projects and Organizations presents a consistent,

integrated, and strategic approach to achieving "Agility" in your business. Transcending beyond Agile as a software development method, it covers the gamut of methods in an organization—including business processes, governance standards, project management, quality management, and business analysis—to show you how to use this composite approach to enhance your ability to adapt and respond to evolving business requirements. The book is divided into three parts: Introduces Agility and identifies the challenges facing organizations in terms of development and maintenance approaches Presents Composite Agile Method and Strategy (CAMS) as a carefully constructed combination of process elements and illustrates its application to development, business management, business analysis, project management, and quality Includes two Agile case studies, a comprehensive index, definitions of key acronyms, and appendices with a current list of Agile methods and interview summaries The book describes relevant metrics for the entire CAMS lifecycle and explains how to embed Agile practices within formal process-maps in projects. Filled with figures, case studies, and tables that illustrate key concepts, the text is ideal for a two- or three-day training course or workshop. It is also suitable for a 13-week education course for higher degree students that includes process discussions and consideration of Agile values at both software and business levels. The chapters are organized to correspond roughly to such lectures with an option to choose from the case study chapters.

Vigilant Innovation - Bill Russell 2020-09-07

Drawing on over hundred years of research into innovation and an in depth research study, the book brings to life the reality of managing established firms to secure advantage through vigilant innovation approaches in disrupting digital era markets. Exploring how organizations manage new offering development focused innovation across a portfolio of core, adjacent and breakthrough environments, the focus is on the search and select phases of the innovation process, and how established firms identify and validate a range of opportunities. Companies face the paradox of how to establish search and select processes for focal markets, while also setting up routines to sense and respond to disruptive innovation signals from adjacent and more peripheral markets. The book builds on research into peripheral vision, and considers how organizations manage the crucial early stages of a vigilant innovation process. The research project at the heart of the book focused on 10 case companies in the publishing sector. The new frameworks developed by the author were informed by over 60 interviews, the innovation literature and the author's experience as a researcher, consultant and practitioner.

Software Engineering - Richard W. Selby 2007-06-04

This is the most authoritative archive of Barry Boehm's contributions to software engineering. Featuring 42 reprinted articles, along with an introduction and chapter summaries to provide context, it serves as a "how-to" reference manual for software engineering best practices. It provides convenient access to Boehm's landmark work on product development and management processes. The book concludes with an insightful look to the future by Dr. Boehm.

Handbook of Research on Gamification Dynamics and User Experience Design - Bernardes, Oscar 2022-05-20

In today's digital society, organizations must utilize technology in order to engage their audiences. Innovative game-like experiences are an increasingly popular way for businesses to interact with their customers; however, correctly implementing this technology can be a difficult task. To ensure businesses have the appropriate information available to successfully utilize gamification in their daily activities, further study on the best practices and strategies for implementation is required. The Handbook of Research on Gamification Dynamics and User Experience Design considers the importance of gamification in the context of organizations' improvements and seeks to investigate game design from the experience of the user by providing relevant academic work, empirical research findings, and an overview of the field of study. Covering topics such as digital ecosystems, distance learning, and security awareness, this major reference work is ideal for policymakers, technology developers, managers, government officials, researchers, scholars, academicians, practitioners, instructors, and students.

Enterprise Architecture at Work Marc Lankhorst 2012-08-20

An enterprise architecture tries to describe and control an organisation's structure, processes, applications, systems and techniques in an integrated way. The unambiguous specification and description of

components and their relationships in such an architecture requires a coherent architecture modelling language. Lankhorst and his co-authors present such an enterprise modelling language that captures the complexity of architectural domains and their relations and allows the construction of integrated enterprise architecture models. They provide architects with concrete instruments that improve their architectural practice. As this is not enough, they additionally present techniques and heuristics for communicating with all relevant stakeholders about these architectures. Since an architecture model is useful not only for providing insight into the current or future situation but can also be used to evaluate the transition from 'as-is' to 'to-be', the authors also describe analysis methods for assessing both the qualitative impact of changes to an architecture and the quantitative aspects of architectures, such as performance and cost issues. The modelling language presented has been proven in practice in many real-life case studies and has been adopted by The Open Group as an international standard. So this book is an ideal companion for enterprise IT or business architects in industry as well as for computer or management science students studying the field of enterprise architecture.

IT Service Management - Global Best Practices, Volume 1 - 2008-04-22
A very practical publication that contains the knowledge of a large number of experts from all over the world. Being independent from specific frameworks, and selected by a large board of experts, the contributions offer the best practical guidance on the daily issues of the IT manager.

The Intellectual Center of the Army - William B. Caldwell 2010

Adaptive Space: How GM and Other Companies are Positively Disrupting Themselves and Transforming into Agile Organizations - Michael J. Arena 2018-06-15
Lack of Agility is the kiss of death. Position your company to succeed in world of change. To edge out the competition in today's disruptive environment, you need to ensure that your company is agile—that it can respond to change instantly and effectively. Because fast and furious change is the only thing you can count on in business today. Network expert Michael Arena helped enable GM's legendary turnaround. In these pages, he explains how you can transform your own company through the concept of adaptive space. Based on hundreds of interviews and the author's own groundbreaking study of dozens of organizations spanning a variety of industries, Adaptive Space shows how to position your company for today—and for the future—by enabling creativity, innovation, and novel ideas to flow freely among teams, across departments, and throughout the company. Using GM as the main case study—along with the stories of other highly adaptive organizations, like Apple, Amazon, Disney, and Gore—Arena provides a model you can follow to reinvent your company. It's about inspiring employees to explore new ideas, empowering the most creative people and teams to spread their ideas across the organization, and operationalizing the entrepreneurial spirit so adaptability is set in stone. Hesitation is a killer in today's business landscape. With Adaptive Space, you have everything you need to confront disruption with smart, confident actions and seize the valuable opportunities that come with change.

Advanced Digital Architectures for Model-Driven Adaptive Enterprises - Kulkarni, Vinay 2020-04-03
The five digital forces (mobility and pervasive computing, cloud, big data, artificial intelligence and robotics, and social media) are poised to bring great academic and industrial breakthroughs. All stakeholders want to understand how to best harness these forces to their advantage. While literature exists for understanding each force independently, there is a lack of knowledge on how to utilize all the forces together to realize future enterprises. Advanced Digital Architectures for Model-Driven Adaptive Enterprises is an essential reference source that explores the potential in unifying the five digital forces to achieve increased levels of agility, efficiency, and scale. Featuring coverage on a wide range of topics including socio-technical systems, adaptive architectures, and enterprise modeling, this book is ideally designed for managers, executives, programmers, designers, computer engineers, entrepreneurs, tool builders, digital practitioners, researchers, academicians, ands students at the graduate level.

The Practice of Enterprise Modeling - Kurt Sandkuhl 2012-11-02
This volume constitutes the proceedings of the 5th IFIP WG 8.1 Working Conference on the Practice of Enterprise Modeling, held in Rostock, Germany, during November 7-8, 2012. The focus of the PoEM conference series is on improving the understanding of the practice of enterprise modeling by offering a

forum for sharing experiences and knowledge between the academic community and practitioners from industry and the public sector. The 15 papers presented were carefully reviewed and selected from 45 submissions, and reflect different facets of enterprise modeling, including organizational and social issues as well as methodological and technical aspects. The papers are organized in five thematic sessions on enterprise modeling, business modeling, process modeling, enterprise architecture, and model-driven development.

Systems, Software and Services Process Improvement - Murat Yilmaz 2020-08-10
This volume constitutes the refereed proceedings of the 27th European Conference on Systems, Software and Services Process Improvement, EuroSPI conference, held in Düsseldorf, Germany, in September 2020*. The 50 full papers and 13 short papers presented were carefully reviewed and selected from 100 submissions. They are organized in topical sections on visionary papers, SPI manifesto and improvement strategies, SPI and emerging software and systems engineering paradigms, SPI and standards and safety and security norms, SPI and team performance & agile & innovation, SPI and agile, emerging software engineering paradigms, digitalisation of industry, infrastructure and e-mobility, good and bad practices in improvement, functional safety and cybersecurity, experiences with agile and lean, standards and assessment models, recent innovations, virtual reality. *The conference was partially held virtually due to the COVID-19 pandemic.

New Studies in Global IT and Business Services Outsourcing - Julia Kotlarsky 2011-10-09
This book contains 11 carefully revised and selected papers from the 5th Workshop on Global Sourcing, held in Courchevel, France, March 14-17, 2011. They have been gleaned from a vast empirical base brought together by leading researchers in information systems, strategic management, and operations. This volume is intended for use by students, academics, and practitioners interested in the outsourcing and offshoring of information technology and business processes. It offers a review of the key topics in outsourcing and offshoring, populated with practical frameworks that serve as a tool kit for students and managers. The topics discussed combine theoretical and practical insights, and they are extensively illustrated by case studies from client and vendor organizations. Last but not least, the book examines current and future trends in outsourcing and offshoring, paying particular attention to how innovation can be realized in global or outsourced software development environments.

Breakthrough Business Analysis - Kathleen B. Hass PMP 2014-11-01
Traditional business analysis jobs are going away and are not coming back. BA tools are growing up, and typical BA tasks are being automated and commoditized. Instead of being regarded as documenters, BAs are being sought out to focus on strategy, innovation, and leadership. Breakthrough Business Analysis: Implementing and Sustaining a Value-Based Practice provides a framework for implementing a BA practice that is strategically positioned and value-based. Realizing the positive impacts of a value-based BA practice could very well mean the difference between success and failure for businesses negotiating 21st century challenges. Value-based business analysis centers on strategy execution, world-class enterprise capabilities, and delivery of innovative products and services. The framework for implementing and sustaining a value-based BA practice involves three phases: 1. Readiness: "Is our organization ready?" 2. Implementation: "How do we build the BA practice?" 3. Sustainability: "How do we institutionalize and continue to improve BA practices?" Take the lead and be your organization's champion of a value-based, breakthrough BA practice that is focused on value to the customer and wealth to the bottom line.

Agile Service Development - Marc Lankhorst 2012-04-23
Economies around the globe have evolved into being largely service-oriented economies. Consumers no longer just want a printer or a car, they rather ask for a printing service or a mobility service. In addition, service-oriented organizations increasingly exploit new devices, technologies and infrastructures. Agility is the ability to deal with such changing requirements and environments. Agile ways of working embrace change as a positive force and harness it to the organization's competitive advantage. The approach described in this book focuses on the notion of a service as a piece of functionality that offers value to its customers. Instead of solely looking at agility in the context of system or software development, agility is approached in a broader context. The authors illustrate three kinds of agility that can be found in an agile enterprise: business, process and system agility. These three types of agility reinforce each other and

establish the foundation for the agile enterprise. Architecture, patterns, models, and all of the best practices in system development contribute to agile service development and building agile applications. This book addresses two audiences. On the one hand, it aims at agile and architecture practitioners who are looking for more agile ways of working in designing and building business services or who are interested in extending and improving their agile methods by using models and model-based architectures. On the other hand, it addresses students of (enterprise) architecture and software development or service science courses, both in computer science and in business administration.

Cyber Security and Privacy - Massimo Felici 2013-10-23
This book constitutes the thoroughly refereed, selected papers on Cyber Security and Privacy EU Forum 2013, held in Belgium, in April 2013. The 14 revised full papers presented were carefully reviewed and selected from various submissions. The papers are organized in topical sections on cloud computing, security and privacy management, security and privacy technology, security and privacy policy.

Agile Software Development Ecosystems James A. Highsmith 2002
Traditional software development methods struggle to keep pace with the accelerated pace and rapid change of Internet-era development. Several "agile methodologies" have been developed in response -- and these approaches to software development are showing exceptional promise. In this book, Jim Highsmith covers them all -- showing what they have in common, where they differ, and how to choose and customize the best agile approach for your needs.KEY TOPICS:Highsmith begins by introducing the values and principles shared by virtually all agile software development methods. He presents detailed case studies from organizations that have used them, as well as interviews with each method's principal authors or leading practitioners. Next, he takes a closer look at the key features and techniques associated with each major Agile approach: Extreme Programming (XP), Crystal Methods, Scrum, Dynamic Systems Development Method (DSDM), Lean Development, Adaptive Software Development (ASD), and Feature-Driven Development (FDD). In Part III, Highsmith offers practical advice on customizing the optimal agile discipline for your own organization.MARKET:For all software developers, project managers, and other IT professionals seeking more flexible, effective approaches to developing software.

Enterprise Architecture - Martin Op't Land 2008-12-03
This book is positioned as a rst in a series of books on enterprise architecture needed for a Master of Enterprise Architecture program, and is targeted both at university students and practitioners with a drive to increase their understanding of these elds. As an introductory book, this book aims to explore the concept of enterprise architecture. At rst glance, writing such an introductory book might seem as a straight forward task of setting up a structure and lling in "the blanks. " However, writing this book turned out to be a pleasant journey of discovery. Based on our past experiences, each of us had a clear understanding of enterprise architecture, based on several years of experience and insight in the eld. However, when we started writing this book, and each of us exposed our individual understandings, it became apparent that our understanding of the eld differed in several ways. This prompted several discussions leading to an abundance of new insights. Without exception, thesediscussionstookplaceina pleasantandopenatmosphere,fueledbyourshared driveforunderstandingandincreasedinsight. Wearenowevenmoreconvincedthan before, that the eld enterprise architecture is a true multi-disciplinary profession. In the resulting book, we would like to share our insights, while also hoping to continue our discussions, now also involving you as a reader. We also realise that the journey is still far from complete. While this introductory book provides an overview of the eld of enterprise architecture from the perspective of our insights, many aspects need further re nement.

Architectural Coordination of Enterprise Transformation - Henderik A. Proper 2018-04-05
Architectural coordination of enterprise transformation (ACET) integrates and aggregates local information and provides different viewpoints, such as financial, structural, or skill perspectives to the respective

stakeholder groups, with the aim of creating a consensus and shared understanding of an enterprise transformation among the stakeholders. Its core purpose is to inform decision-makers with both local and enterprise-wide concerns so that the overall transformation goals can be successfully pursued, i.e. reducing inconsistencies and including local decisions in the overarching goals. This book consists of three major parts, framed by an introduction and a summary. To enable readers to gain a better understanding of the issues involved in real-world enterprise transformations as well as the possible role of architectural coordination and the associated challenges, Part I provides an analysis of status quo of corporate ACET practice. Part II then continues with an exploration of the challenges facing ACET from a theoretical perspective. Based on these challenges, Part III then presents a collection of components for a possible design theory for ACET. Instead of an integrated method, this collection of components constitutes method fragments that can be arranged in different ways depending on the perspective taken, the actual enterprise architecture management approach, the enterprise transformation type and the transformation's context.

Enterprise Information Systems - Joaquim Filipe 2021-04-30
This book constitutes extended, revised and selected papers from the 22nd International Conference on Enterprise Information Systems, ICEIS 2020, held online during May 5-7, 2020. The 41 papers presented in this volume were carefully reviewed and selected for inclusion in this book from a total of 255 submissions. They were organized in topical sections as follows: database and information systems integration; artificial intelligence and decision support systems; information systems analysis and specification; software agents and internet computing; human-computer interaction; and enterprise architecture.

Agile Software Architecture - Muhammad Ali Babar 2013-11-27
Agile software development approaches have had significant impact on industrial software development practices. Today, agile software development has penetrated to most IT companies across the globe, with an intention to increase quality, productivity, and profitability. Comprehensive knowledge is needed to understand the architectural challenges involved in adopting and using agile approaches and industrial practices to deal with the development of large, architecturally challenging systems in an agile way. Agile Software Architecture focuses on gaps in the requirements of applying architecture-centric approaches and principles of agile software development and demystifies the agile architecture paradox. Readers will learn how agile and architectural cultures can co-exist and support each other according to the context. Moreover, this book will also provide useful leads for future research in architecture and agile to bridge such gaps by developing appropriate approaches that incorporate architecturally sound practices in agile methods. Presents a consolidated view of the state-of-art and state-of-practice as well as the newest research findings Identifies gaps in the requirements of applying architecture-centric approaches and principles of agile software development and demystifies the agile architecture paradox Explains whether or not and how agile and architectural cultures can co-exist and support each other depending upon the context Provides useful leads for future research in both architecture and agile to bridge such gaps by developing appropriate approaches, which incorporate architecturally sound practices in agile methods

Agile and Lean Service-Oriented Development: Foundations, Theory, and Practice Wang, Xiaofeng 2012-11-30
Challenges in unpredictable markets, changing customer requirements, and advancing information technologies have lead to progression towards service oriented engineering and agile and lean software development. These prevailing approaches to software systems provide solutions to challenges in demanding business environments. Agile and Lean Service-Oriented Development: Foundations, Theory and Practice explores the groundwork of service-oriented and agile and lean development and the conceptual basis and experimental evidences for the combination of the two approaches. Highlighting the best tools and guidelines for these developments in practice, this book is essential for researchers and practitioners in the software development and service computing fields.