Transforming Field And Service Operations Methodologies For Successful Technology Driven Business Transformation

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Scientific and Technical Aerospace Reports 1995
Transforming Microfinance Institutions Joanna Ledgerwood 2006-08-30 In response to a clear need by low-income people to gain access to the full range of financial services including savings, a growing number of microfinance NGOs are seeking guidelines to transform from credit-focused microfinance organizations to regulated deposit-taking financial intermediaries. In response to this trend, this book presents a practical 'how-to' manual for MFIs to develop the capacity to become licensed and regulated to mobilize deposits from the public. 'Transforming Microfinance Institutions' provides guidelines for regulators to license and regulate microfinance providers, and for transforming MFIs to meet the demands of two major new stakeholders regulators and shareholders. As such, it focuses on developing the capacity of NGO MFIs to mobilize and intermediate voluntary savings. Drawing from worldwide experience, it outlines how to manage the transformation process and address major strategic and operational issues inherent in transformation including competitive positioning, business planning, accessing capital and shareholders, and how to 'transform' the MFI's human resources, financial management, MIS, internal controls, and branch operations. Case studies then provide examples of developing a new regulatory tier for microfinance, and how a Ugandan NGO transformed to become a licensed financial intermediary. This book will be invaluable to regulators and microfinance NGOs contemplating institutional transformation and will be of tremendous use to donors and technical support agencies supporting MFIs in their transformation.

Human Interface and the Management of Information: Supporting Learning, Decision-Making and Collaboration Sakae Yamamoto 2017-07-03 The two-volume set LNCS 10273 and 10274 constitutes the refereed proceedings of the thematic track on Human Interface and the Management of Information, held as part of the 19th HCI International 2017, in Vancouver, BC, Canada, in July 2017. HCII 2017 received a total of 4340 submissions, of which 1228 papers were accepted for publication after a careful reviewing process. The 102 papers presented in these volumes were organized in topical sections as follows: Part I: Visualization Methods and Tools; Information and Interaction Design; Knowledge and Service Management; Multimodal and Embodied Interaction. Part II: Information and Learning; Information in Virtual and Augmented Reality; Recommender and Decision Support Systems; Intelligent Systems; Supporting Collaboration and User Communities; Case Studies.
Handbook of Global Supply Chain Management John T. Mentzer 2006-09-14 This state-of-the-art Handbook provides a comprehensive understanding and assessment of the field of global supply chain management (GSCM). Editors John T. Mentzer, Matthew B. Myers, and Theodore P. Stank bring together a distinguished group of contributors to describe and critically examine the key perspectives guiding GSCM, taking stock of what we know (and do not know) about them.
Building The Old Contemptibles: British Military Transformation And Tactical Development From The Boer War To The Great War, 1899-1914 Major Andrew J. Risio 2014-08-15 Impressed with the tactical lessons of the Boer War, the British Army reformed its doctrine and training from 1899 to 1914, deploying a combat ready force, the "Old Contemptibles" of the British Expeditionary Force (BEF) in 1914. Because of these changes, the BEF played a crucial role in Belgium and France in 1914. The lessons of the Boer War guided the British Army and its interwar reforms. The doctrine and training developed from 1902-1914 was a significant improvement over the pre-Boer War British colonial warfare tactics. With Haldane's organizational reforms and Robert's new doctrine, the British Army built the Old Contemptibles of the BEF. The battles of 1914 showed the BEF was the equal of any European contemporary in quality of its tactics and doctrine. The comparison of the BEF to the other combatants in 1914 does not stand in stark contrast. The BEF performed well but no better or worse than comparable German or French units did. What does stand in stark contrast is the BEF in 1914 when compared with the expedition to South Africa in 1899. The years of reform between these two expeditions were truly a crucible that built the Old Contemptibles.
Military Transformation United States. General Accounting Office 2001
Handbook of Life Cycle Engineering Arturo Molina 1999-01-31 This handbook focuses on a series of concepts, models and technologies which can be used to improve current practice in life cycle engineering in manufacturing companies around the world. Experts on the main issues relating to life cycle engineering have produced a superb collection of chapters. All the contributing authors are researchers and engineers in the fields of manufacturing paradigms, enterprise integration, product life cycle and technologies for life cycle engineering. Academics and researchers will find this book to be a valuable reference tool. The book illustrates those key factors that ensure successful enterprise and product life cycle integration. Due to the book being developed as a joint industry and university project, its approach should be helpful to both practising professionals and academics. An overview of life cycle engineering concepts, models, methodologies and practices that have been proved to significantly improve the integration and productivity of manufacturing companies have been clearly explained in this handbook. This book will be essential for engineers, designers, product support personnel dealing with enterprise engineering projects. It will also be of immense use to lecturers and senior lecturers working in the fields of enterprise integration, product development, concurrent engineering and integrated manufacturing systems.
Managing Defense Transformation Adam N. Stulberg 2016-05-13 Why are some military organizations more adept than others at reinventing themselves? Why do some efforts succeed rapidly while others only gather momentum over time or become sidetracked or even subverted? This book explicates the conditions under which military organizations have both succeeded and failed at institutionalising new ideas and forms of warfare. Through comparative analysis of some classic cases – US naval aviation during the interwar period; German and British armour development during the same period; and the US Army's experience with counter-insurgency during the Vietnam War – the authors offer a novel explanation for change rooted in managerial strategies for aligning service incentives and norms. With contemporary policy makers scrambling to digest the lessons of recent wars in Kosovo, Afghanistan and Iraq, as well as to meet the unfolding challenges of the new revolution in military affairs (RMA), understanding the sources and impediments to transformation has become critical.
Redesigning Innovative Healthcare Operation and the Role of Knowledge Management Saito, Murako 2009-07-31 "This book offers a compilation of chapters on how knowledge impacts the layout and design of the medical industry"--Provided by publisher.
Data Simplification Jules J. Berman 2016-03-10 Data Simplification: Taming Information With Open Source Tools addresses the simple fact that modern data is too big and complex to analyze in its native form. Data simplification is the process whereby large and complex data is rendered usable. Complex data must be simplified before it can be analyzed, but the process of data simplification is anything but simple, requiring a specialized set of skills and tools. This book provides data scientists from every scientific discipline with the methods and tools to simplify their data for immediate analysis or long-term storage in a form that can be readily repurposed or integrated with other data. Drawing upon years of practical experience, and using numerous examples and use cases, Jules Berman discusses the principles, methods, and tools that must be studied and mastered to achieve data simplification, open source tools, free utilities and snippets of code that can be reused and repurposed to simplify data, natural language processing and machine translation as a tool to simplify data, and data summarization and visualization and the role they play in making data useful for the end user. Discusses data simplification principles, methods, and tools that must be studied and mastered Provides open source tools, free utilities, and snippets of code that can be reused and repurposed to simplify data Explains how to best utilize indexes to search, retrieve, and analyze textual data Shows the data scientist how to apply ontologies, classifications, classes, properties, and instances to data using tried and true methods
Homeland Security management challenges remain in transforming immigration programs : report to congressional committees.
Building a Digital Future Lipi Sarkar 2021-04-21 The dramatic events of 2020 have clarified the urgent need for digital transformation in countless organizations. The rise of remote work and the rapidly increasing use of cloud technologies are just two drivers of the relentless pace of digital disruption. Despite this, many companies remain underequipped or hesitant to embrace digital transformation. Understanding the key drivers of change and leveraging the powerful capabilities from technologies with a collaborative platform can aid an organization to prepare for digital transformation. Building a Digital Future provides a clearly defined roadmap for executing this change with Microsoft Dynamics 365. Firms of all types and sizes will learn how Microsoft Dynamics 365 can help them: achieve competitive advantages for their business reduce the time needed to effect change by automating time-consuming tasks drive innovation and improvements through an evergreen system post implementation Each chapter of this book is curated with best practices, compelling customer examples, pitfalls to avoid, and salient points to remember. Building a Digital Future enables organizations to truly embrace the benefits of digital transformation by anchoring Microsoft Dynamics 365 at the core of their business. Perfect for any business leader looking for a one-stop and comprehensive playbook for transforming their business into a digital powerhouse with Dynamics 365.
Transforming Field and Service Operations Gilbert Owusu 2014-02-28
The Practical Guide to Digital Transformation Antonio Weiss 2022-02-03 Digital transformation is a vital practice for organizations trying to keep up with competitors, but with new digital approaches constantly promising to revolutionise the workplace it can feel impossible to keep up. Cut through the hype with this accessible guide to making end-to-end digital transformation happen. While technology offers the possibility for business improvement, successful digital transformation also requires an effective strategy, the right culture, change management, the ability to stimulate innovation and the knowledge of where to upskill and where to bring in new talent. The Practical Guide to Digital Transformation covers each of these factors and more by breaking the process down to 17 easy-to-follow and practical steps. Each chapter includes a case study of an organisation getting it right, along with advice on putting the principle into action, key tips and tricks, and what you might say in your next meeting. This book also outlines how to start with the foundations of 'doing digital' and build from there, including data science, cyber security, workable technology, minimised stack duplication, data registers and good user experience. Quickly build confidence and make change happen with this actionable guide to the essentials of digital transformation.
Department of Defense Policies and Programs to Transform the Armed Forces to Meet the Challenges of the 21st Century United States. Congress. Senate. Committee on Armed Services 2002
Interfaces 1998
Transforming Field and Service Operations Gilbert Owusu 2014-01-21 The drive to realise operational efficiencies, improve customer service, develop new markets and accelerate the introduction of new products has substantially increased the complexity of field service operations. To maximise the efficiency and effectiveness of these operations, organisations have embarked on a wide range of transformation programmes that have sought to introduce automation through the use of workforce management technologies. Despite the potential business value that can be provided by such transformation programmes, too often, the automation technologies have not been fully utilised and their expected benefits have as such not been realised. Scholars of organisation change argue that the success of any transformation programme is a function of how well the technical, political, structural and social aspects of a specific project have been managed. The objective of this edited book is to provide insights into how organisations might successfully transform their field service operations with the help of workforce management technologies. Accordingly, the book is organised into four sections: Section A "The Case for Transforming Service and Field Operations" explains the rationale as to why organisations should actively consider transforming their service and field operations, while Section B presents various "Methods, Models and Enabling Technologies for Transforming Service and Field Operations". In Section C, a number of "Case Studies" illustrate how new technologies can be applied to field and service operations to deliver concrete business benefits. Lastly, Section D considers "Challenges, Outcomes and Future Directions". Overall, this book provides valuable insights into how to successfully transform field service operations with automated technologies. It draws on years of experience from different industries and from different perspectives on realising change. It is aimed at managers, technologists, change agents and scholars who are interested in field service operations in general and the use of advanced computing technologies in this area in particular.
Transformation of the 2nd Brigade, 25th Infantry Division (L) to a Stryker Brigade Combat Team in Hawai'i 2004
Global Business and Management Research: An International Journal Vol.2 No.1 Mehran Nejati 2010-06-10 The Journal of Global Business and Management Research (GBMR) is a quarterly peer-reviewed journal which strives to comply with highest research standards and scientific/research/practice journals' qualities. Being international and inter-disciplinary in scope, GBMR seeks to provide a platform for debate among diverse academic and practitioner communities who address a broad area of business and management issues across the globe. It is currently indexed in a number of prestigious databases including Gale and Ebsco.
Web Service Implementation and Composition Techniques Hye-young Paik 2017-06-02 This book embarks on a mission to dissect, unravel and demystify the concepts of Web services, including their implementation and composition techniques. It provides a comprehensive perspective on the fundamentals of implementation standards and strategies for Web services (in the first half of the book), while also presenting composition techniques for leveraging existing services to create larger ones (in the second half). Pursuing a unique approach, it begins with a sound overview of concepts, followed by a targeted technical discussion that is in turn linked to practical exercises for hands-on learning. For each chapter, practical exercises are available on Github. Mainly intended as a comprehensive textbook on the implementation and composition of Web services, it also offers a useful reference guide for academics and practitioners. Lecturers will find this book useful for a variety of courses, from undergraduate courses on the foundational technology of Web services through graduate courses on complex Web service composition. Students and researchers entering the field will benefit from the combination of a broad technical overview with practical self-guided exercises. Lastly, professionals will gain a well-informed grasp of how to synthesize the concepts of conventional and "newer" breeds of Web services, which they can use to revise foundational concepts or for practical implementation tasks.
Digitalization as a Driver for Smart Economy in the Post-COVID-19 Era Reis, Leonilde 2022-02-11 The COVID-19 pandemic has accelerated the implementation of digital transformation strategies, and there has been an exponential increase in the demand for intelligent and reliable communications solutions. The pandemic brings huge challenges for all economic agents, as resilient and the capacity to adapt to new risks and hindrances are key fundamental elements to our societies. In this context, it is essential that digitalization brings opportunities to transition to a smarter economy based on innovation, sustainability, and well-being. Digitalization as a Driver for Smart Economy in the Post-COVID-19 Era discusses digitalization, information and communication technologies, marketing, entrepreneurship, and innovation in an organizational context to optimize the practices established in the most diverse domains of knowledge, specifically attending to the relation between digitalization and sustainability in a post-pandemic era. It is ideal for academicians, instructors, researchers, industry professionals, business managers, private institutions, and students as it covers a range of key topics such as sustainability and smart economy. While it highlights the post-pandemic era, it is a necessary resource for all readers.
Concurrent Resolution on the Budget for Fiscal Year 2002 United States. Congress. Senate. Committee on the Budget 2002
Six Sigma in HR Transformation Mircea Albeanu 2017-05-15 In the business world, especially in manufacturing or quality management, the term Six Sigma usually refers to a set of tools and methodologies developed by Motorola to improve processes by eliminating defects. So why should the HR professional care what Six Sigma is or how it can be applied in the HR function? According to the specialists at Orion Partners, there are ten key reasons: * to create excellence in process delivery; * to reduce defects; * to increase efficiency; * to create a quality focused mindset; * to benefit from best practice; * to bring clarity to the processes of HR; * to use a structured scientific approach; * to speak the

same language and improve communication; * to gain control over your processes; * and to strengthen your business case. Mircea Albeanu and Ian Hunter explain some of the basic concepts to show how applying Six Sigma tools and methodologies can be used to manage the practical challenges of improving HR operations to meet your organization's expectations at a lower cost and with greater efficiency. To help illustrate some of the key messages examples are drawn from Orion Partners' work using Six Sigma tools with international organizations over the last seven years. This concise guide is ideal for project and programme managers involved in business transformation, and for HR managers as well as Six Sigma specialists seeking to understand its applications within human resources. About The Gower HR Transformation Series: The Human Resources function faces a continuing challenge to its role and purpose, in many organizations it has suffered from serious under-representation at strategic, board level. Yet, faced with the challenges of globalism, the need to innovate, manage knowledge, attract and retain the very best employees, organizations need an HR function that can lead from the front. The process of transforming the function is complex and rarely linear. It includes the practical challenges of improving HR operations to meet customer expectations at lower cost and with greater efficiency. The Gower HR Transformation Series will help it uses a blend of conceptual frameworks, practical advice and global case study examples to cover each of the main elements of the HR transformation process. The books in the series follow a standard format to make them easy to read and reference. Together, the titles create a definitive guide from one of the leading specialist HR transformation consultancies; an organization that has been involved in HR transformation for clients as diverse as Bombardier Transportation, Marks & Spencer, Barnardo's, Oxfam, Schroders, UnitedHealth Group, Nestlé, BP, HM Prison Service, Transport for London and Vodafone.
Generative and Transformational Techniques in Software Engineering IV Ralf Lämmel 2008-10-08 The second instance of the international summer school on Generative and Transformational Techniques in Software Engineering (GTTSE 2007) was held in Braga, Portugal, during July 2-7, 2007. This volume contains an augmented selection of the material presented at the school, including full tutorials, short tutorials, and contributions to the participants workshop. The GTTSE summer school series brings together PhD students, lecturers, technology presenters, as well as other researchers and practitioners who are interested in the generation and the transformation of programs, data, models, metamodels, documentation, and entire software systems. This concerns many areas of software engineering: software reverse and re-engineering, model-driven engineering, automated software engineering, generic language technology, to name a few. These areas differ with regard to the specific sorts of metamodels (or grammars, schemas, formats etc.) that underlie the involved artifacts, and with regard to the specific techniques that are employed for the generation and the transformation of the artifacts. The first instance of the school was held in 2005 and its proceedings appeared as volume 4143 in the LNCS series.
Transforming Defense Capabilities Scott Jasper 2009 In the face of today?s security challenges, there is widespread recognition of the need to think and act in new ways to ensure both national and collective security interests. Transforming Defense Capabilities succinctly describes what transformation means in this context, why it is essential, and how to translate innovative concepts into relevant, feasible, and useful practice. The authors define all aspects of the transformation process, offering useful insights and proven methods for developing integrated defense capabilities. Demonstrating how enabling technologies can be combined with personnel development, organizational improvements, and creative change, they present a comprehensive guide for implementing an essential, capabilities-based approach to international defense transformation.
Advances in Enterprise Engineering XIV David Aveiro 2021-04-13 This book constitutes the proceedings of the 10th Enterprise Engineering Working Conference, EEWC 2020, which was planned to take place in Bozen-Bolzano, Italy, and had to change to an online event due to the COVID 19 pandemic. The online event took place on September 28, 2020, October 19, 2020, and November 9-10, 2020. EEWC aims at addressing the challenges that modern and complex enterprises are facing in a rapidly changing world. The participants of the working conference share a belief that dealing with these challenges requires rigorous and scientific solutions, focusing on the design and engineering of enterprises. The goal of EEWC is to stimulate interaction between the different stakeholders, scientists as well as practitioners, interested in making Enterprise Engineering a reality. The 8 full papers and 2 short papers presented in this volume were carefully reviewed and selected from 23 submissions. The volume also contains 3 keynote papers in full paper length. The papers were organized in topical sections as follows: formal approaches and modeling; the DEMO modeling language; and enterprise engineering practice.
Joint Force Quarterly 2008
Digital Transformation with BPM Nathaniel Palmer 2019-10-24 BPM is essential to a company's survival in today's hyper-speed business environment. The goal of Digital Transformation is to help empower enterprises to compete at the highest level in any marketplace. This book provides compelling award-wining case studies contributed by those who have been through the full BPM experience. The case studies describe the processes involved to generate successful ROIs and competitive advantages. Digital transformation describes the changes associated with the application of digital technology in all aspects of human society. Digital transformation may be thought of as the third stage of embracing digital technologies: from digital competence to digital usage to digital transformation, with usage and transformative ability informing digital literacy. The transformation stage means that digital usages inherently enable new types of innovation and creativity in a particular domain, rather than simply enhance and support the traditional methods. These industry thought-leaders together with the leading-edge case studies will help you understand the meaning and impact of Digital Transformation and how you can leverage that transformation; likely using BPM you already have. Learn how to extend that into core processes that run the business and thus engage more meaningfully with your customers. The authors discuss the impact of emerging technologies, the mandate for greater transparency and how the ongoing aftershocks of globalization have collectively impacted predictability within the business enterprise.
Virtual Communities: Concepts, Methodologies, Tools and Applications Management Association, Information Resources 2010-10-31 Covers the development, design, and utilization of virtual organizations and communities and the resulting impact of these venues.
Business Transformations in the Era of Digitalization Mezghani, Karim 2019-01-22 In order to establish and maintain a successful company in the digital age, managers are digitally transforming their organizations to include such tools as disruptive technologies and digital data to improve performance and efficiencies. As these companies continue to adopt digital technologies to improve their businesses and create new revenues and value-producing opportunities, they must also be aware of the challenges digitalization can present. Business Transformations in the Era of Digitalization is a collection of innovative research on the latest trends, business opportunities, and challenges in the digitalization of businesses. Highlighting a range of topics including business-IT alignment, cloud computing, Internet of Things (IoT), business sustainability, small and medium-sized enterprises, and digital entrepreneurship, this book is ideally designed for managers, professionals, consultants, entrepreneurs, and researchers.
Behavioral Operational Research Martin Kunc 2016-06-29 Behavioral research is making a significant impact on many academic disciplines. Its status as the source of some of the most profound research in the social sciences is unparalleled. Therefore, it is not surprising that interest in Behavior and Operational Research (OR) is burgeoning, even though understanding the relationship between knowledge, behavior and action has been an academic preoccupation in OR since the beginning of the discipline. This book introduces the idea of Behavioral OR, where the theoretical and empirical developments in the behavioral field are making an impression on OR academics and practitioners alike. The book provides a much needed overview that connects together theory, methodology and practice and offers the "state of the art" on Behavioral Operational Research theory and practice. The book not only includes chapters by leading academics, but also includes rich and insightful real-life case studies by practitioners.
Handbook of Service Science, Volume II Paul P. Maglio 2018-10-16 The second volume of this successful handbook represents varied perspectives on the fast-expanding field of Service Science. The novel work collected in these chapters is drawn from both new researchers who have grown-up with Service Science, as well as established researchers who are adapting their frames for the modern service context. The first Handbook of Service Science marked the emergence of Service Science when disciplinary studies of business-to-customer service systems intertwined to meet the needs of a new era of business-to-business and global service ecosystems. Today, the evolving discipline of Service Science involves advanced technologies, such as smartphones, cloud, social platforms, big data analytics, and artificial intelligence. These technologies are reshaping the service landscape, transforming both business models and public policy, ranging from retail and hospitality to transportation and communications. By looking through the eyes of today's new Service Scientists, it is anticipated that value and grand challenges will emerge from the integration of theories, methods, and techniques brought together in the first volume, but which are now rooted more deeply in service-dominant logic and systems thinking in this second volume. The handbook is divided into four parts: 1) Service Experience--On the Human-centered Nature of Service; 2) Service Systems-On the Nature of Service Interactions; 3) Service Ecosystems-On the Broad Context of Service; 4) Challenges-On Rethinking the Theory and Foundations of Service Science. The chapters add clarity on how to identify, enable, and measure service, thus allowing for new ideas and connections made to physics, design, computer science, and data science and analytics for advancing service innovation and the welfare of society. Handbook of Service Science, Volume II offers a thorough reference suitable for a wide-reaching audience including researchers, practitioners, managers, and students who aspire to learn about or to create a deeper scientific foundation for service design and engineering, service experience and marketing, and service management and innovation.
Smart Manufacturing Innovation and Transformation: Interconnection and Intelligence Luo, ZongWei 2014-03-31 Fast advances in information technology have led to a smarter world with ubiquitous interconnection and intelligence. Smart Manufacturing Innovation and Transformation: Interconnection and Intelligence covers both theoretical perspectives and practical approaches to smart manufacturing research and development triggered by ubiquitous interconnection and intelligence. This reference work discusses the transformation of manufacturing, the latest developments in smart manufacturing innovation, current and emerging technology opportunities, and market imperatives that enable manufacturing innovation and transformation, useful tools for readers in industry, academia, and government.
Digital Transformation in Cloud Computing Alibaba Cloud Intelligence GTS 2022-05-31 With the rapid development of cloud computing and digital transformation, well-designed cloud-based architecture is always in urgent need. Illustrated by project cases from the Chinese technology company Alibaba, this book elaborates how to design a cloud-based application system and build them on the cloud. Cloud computing is far from being just a resource provider; it offers database, storage and container services that can help to leverage key advantages for business growth. Based on this notion, authors from the Alibaba Cloud Global Technology Services introduce new concepts and cutting-edge technology in the field, including cloud-native, high-availability and disaster tolerance design on cloud, business middle office, data middle office, and enterprise digital transformation. Resting upon Alibaba's years of practice and achievements in the field of cloud technology, the volume also elucidates the methodology and practice solutions of digital construction, including methodology, product tools, technical processes, architecture design, cloud application capacity assessment and optimization, etc. The book will appeal to researchers, students, and especially IT practitioners, professionals, and managers interested in cloud computing, digital transformation, cloud migration, business middle office, data middle office, as well as the Alibaba Cloud itself.
Military Review 2000
Intelligent Systems in Operations: Methods, Models and Applications in the Supply Chain Nag, Barin 2010-03-31 "This book provides knowledge and insights on present and future AI applications in Operations Management presenting tools and decisions in terms of theoretical and empirical models, methods and proposed applications"--Provided by publisher.
Technology Acceptance in the Context of Digital Transformation David Marx 2021-02-03 The widespread diffusion of digital, connected objects such as smartphones or tablets as well as the increasing integration of computing and connectivity capabilities into everyday artifacts like TVs and cars have significantly changed individual behavior in recent decades: it has become the norm to interact with technology and to be connected with online resources regardless of time and place. Social interactions have increasingly become intertwined with technology, making it almost impossible to fully participate in everyday life activities without IT. As a final example, with the integration of network connectivity, digital technologies, products, and services are not used in isolation anymore, but working together as assemblages, thereby expanding the range of what they and their users can do. Overall, we have witnessed that IT has become deeply socially embedded in everyday life and routines. Understanding individual behavior has a long tradition in information systems research. However, given the fundamental changes in recent years related to technology use, it is questionable whether traditional models and theories are still applicable in the digital age. The goal of this dissertation is to address respective shortcomings. As a first step, a comprehensive review of the literature on digital transformation is performed for a better understanding of this phenomenon surrounding the changes we have witnessed regarding individual behavior. Afterwards, new concepts to explain and measure individual behavior and expectations related to connected objects are developed and examined. Furthermore, as the topic of connected objects is closely connected to the concept of personalization, a design study is performed that 1) provides an artifact to handle the efficiency-personalization trade-off in the provision of firm offerings and 2) illustrates how personalization influences the user perceptions of respective products and services. Based on the findings, a framework for the study of connected objects is synthesized and presented. Overall, the findings of this dissertation have relevant implications for research and practice in the fields of technology acceptance, digital life, and digital transformation.
Graph Transformation for Software Engineers Reiko Heckel 2020-05-13 This book is an introduction to graph transformation as a foundation to model-based software engineering at the level of both individual systems and domain-specific modelling languages. The first part of the book presents the fundamentals in a precise, yet largely informal way. Besides serving as prerequisite for describing the applications in the second part, it also provides a comprehensive and systematic survey of the concepts, notations and techniques of graph transformation. The second part presents and discusses a range of applications to both model-based software engineering and domain-specific language engineering. The variety of these applications demonstrates how broadly graphs and graph transformations can be used to model, analyse and implement complex software systems and languages. This is the first textbook that explains the most commonly used concepts, notations, techniques and applications of graph transformation without focusing on one particular mathematical representation or implementation approach. Emphasising the research and engineering methodologies used, it will be a valuable resource for graduate students, practitioners and researchers in software engineering, foundations of programming and formal methods.
Marine Design XIII, Volume 1 Pentti Kujala 2018-06-04 This is volume 1 of a 2-volume set. Marine Design XIII collects the contributions to the 13th International Marine Design Conference (IMDC 2018, Espoo, Finland, 10-14 June 2018). The aim of this IMDC series of conferences is to promote all aspects of marine design as an engineering discipline. The focus is on key Design challenges and opportunities in the area of current maritime technologies and markets, with special emphasis on: • Challenges in merging ship design and marine applications of experience-based industrial design • Digitalisation as technological enabler for stronger link between efficient design, operation and maintenance in future • Emerging technologies and their impact on future designs • Cruise ship and icebreaker designs including fleet compositions to meet new market demands To reflect on the conference focus, Marine Design XIII covers the following research topic series: •State of art ship design principles - education, design methodology, structural design, hydrodynamic design; •Cutting edge ship designs and operations - ship concept design, risk and safety, arctic design, autonomous ships; •Energy efficiency and propulsions - energy efficiency, hull form design, propulsion equipment design;

•Wider marine designs and practices – navy ships, offshore and wind farms and production. Marine Design XIII contains 2 state-of-the-art reports on design methodologies and cruise ships design, and 4 keynote papers on new directions for vessel design practices and tools, digital maritime traffic, naval ship designs, and new tanker design for arctic. Marine Design XIII will be of interest to academics and professionals in maritime technologies and marine design.