Modelling And Analysis Of Business Process Reengineering

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Business Process Modelling with ARIS - Rob Davis 2001-04-09

This practical book describes the key operations of ARIS Toolset - the market leading Business

Process Modelling Tool. Based on his experience of using ARIS in British Telecommunications plc, the author describes practical ways of using the tool. Using screen shots and plenty of practical examples, Rob Davis shows how ARIS can be used to model business processes. Throughout the book Davis provides readers with tips and short-cuts, enabling users to start modelling quickly and effectively. He also provides insights into the ARIS concepts, and tells readers about the benefits and trade-offs of using the tool in alternative ways. Unlike other books, this practical guide tackles issues found in real projects.

Business Process Management - Wil, van der Aalst 2003-07-31
Business processes are among today's hottest topics in the science and practice of information systems. Business processes and workflow management systems attract a lot of attention from R&D professionals in software engineering, information systems, business-oriented computer science, and management sciences. The carefully reviewed chapters contributed to this state-of-the-art survey by internationally leading scientists consolidate work presented at various workshops on the topic organized by the editors of the book in the past few years. The book spans the whole spectrum of business process management ranging from theoretical aspects, conceptual models, and application scenarios to implementation issues. It will become a valuable source of reference and information for R&D professionals active in the fascinating interdisciplinary area of business process management and for ambitious practitioners.

On the Move to Meaningful Internet Systems: OTM 2019 Workshops - Christophe Debruyne 2020-02-12
This volume constitutes the refereed proceedings of the Confederated International International Workshop on Enterprise Integration, Interoperability and Networking

(EI2N), Fact Based Modeling (FBM), Industry Case Studies Program (ICSP), International Workshop on Methods, Evaluation, Tools and Applications for the Creation and Consumption of Structured Data for the e-Society (Meta4eS) and, 1st International Workshop on Security via Information Analytics and Applications (SIAnA 2019) held as part of OTM 2018 in October 2019 in Rhodes, Greece. As the three main conferences and the associated workshops all share the distributed aspects of modern computing systems, they experience the application pull created by the Internet and by the so-called Semantic Web, in particular developments of Big Data, increased importance of security issues, and the globalization of mobile-based technologies.

Business Process Modeling, Simulation and Design, Second Edition - Manuel Laguna 2013-04-25
Most textbooks on business process management focus on either the nuts and bolts of computer simulation or the managerial aspects of business processes. Covering both technical and managerial aspects of business process management, Business Process Modeling, Simulation and Design, Second Edition presents the tools to design effective business processes and the management techniques to operate them efficiently. New to the Second Edition Three completely revised chapters that incorporate ExtendSim 8 An introduction to simulation A chapter on business process analytics Developed from the authors' many years of teaching process design and simulation courses, the text provides students with a thorough understanding of numerous analytical tools that can be used to model, analyze, design, manage, and improve business processes. It covers a wide range of approaches, including discrete event simulation, graphical flowcharting tools, deterministic models for cycle time analysis and capacity decisions, analytical queuing methods, and data mining.

Unlike other operations management books, this one emphasizes user-friendly simulation software as well as business processes, rather than only manufacturing processes or general operations management problems. Taking an analytical modeling approach to process design, this book illustrates the power of simulation modeling as a vehicle for analyzing and designing business processes. It teaches how to apply process simulation and discusses the managerial implications of redesigning processes. The ExtendSim software is available online and ancillaries are available for instructors.

Research and Development in E-Business through Service-Oriented Solutions - Tarnay, Katalin 2013-06-30
As businesses are continuously developing new services, procedures, and standards, electronic business has emerged into an important aspect of the science field by providing various applications through efficiently and rapidly processing information among business partners. Research and Development in E-Business through Service-Oriented Solutions highlights the main concepts of e-business as well as the advanced methods, technologies, and aspects that focus on technical support. This book is an essential reference source of professors, students, researchers, developers, and other industry experts in order to provide a vast amount of specialized knowledge sources for promoting e-business.

Business Process Transformation - Varun Grover 2008-01-01
Annotation Featuring contributions from prominent thinkers and researchers, this volume in the Advances in Management Information Systems series provides a rich set of conceptual, empirical, and introspective studies that epitomize fundamental knowledge in the area of Business Process Transformation. Processes are interpreted broadly to include operational and managerial processes within and between

organizations, as well as those involved in knowledge generation. Transformation includes radical and incremental change, its conduct, management and outcome. The editors and contributing authors pay close attention to the role of IS organizations and information technologies in facilitating business process transformation. Each chapter places major emphasis on clearly articulating the "knowledge" generated, both theoretical and applied. The book incorporates case studies and tables throughout, and provides fundamental grounding for any stakeholder of business process transformation.

Modelling Techniques for Business Process Re-engineering and Benchmarking - Guy Doumeingts 2016-01-09
Today enterprises must strive to improve their competitiveness in a changing environment. To reach this objective it is necessary for companies to evaluate their performances and to combine modelling, business process re-engineering and benchmarking techniques. This book demonstrates the successful combination and implementation of these various techniques.

Business Process Change - Varun Grover 1995-01-01
Examines a broad range of research and case studies that throws light on potential, social and human factors which determine the success of information technology.

Workflow Modeling - Alec Sharp 2009
This extensively revised second edition of the acclaimed and bestselling book, Workflow Modeling serves as a complete guide to discovering, scoping, assessing, modeling, and redesigning business processes. Providing proven techniques for identifying, modeling, and redesigning business processes, and explaining how to implement workflow improvement, this book helps you define requirements for systems development or systems acquisition.

Domain-Specific Conceptual Modeling - Dimitris Karagiannis 2016-07-09

This book draws new attention to domain-specific conceptual modeling by presenting the work of thought leaders who have designed and deployed specific modeling methods. It provides hands-on guidance on how to build models in a particular domain, such as requirements engineering, business process modeling or enterprise architecture. In addition to these results, it also puts forward ideas for future developments. All this is enriched with exercises, case studies, detailed references and further related information. All domain-specific methods described in this volume also have a tool implementation within the OMiLAB Collaborative Environment – a dedicated research and experimentation space for modeling method engineering at the University of Vienna, Austria – making these advances accessible to a wider community of further developers and users. The collection of works presented here will benefit experts and practitioners from academia and industry alike, including members of the conceptual modeling community as well as lecturers and students.

Fundamentals of Business Process Management - Marlon Dumas 2018-03-23
This textbook covers the entire Business Process Management (BPM) lifecycle, from process identification to process monitoring, covering along the way process modelling, analysis, redesign and automation. Concepts, methods and tools from business management, computer science and industrial engineering are blended into one comprehensive and inter-disciplinary approach. The presentation is illustrated using the BPMN industry standard defined by the Object Management Group and widely endorsed by practitioners and vendors worldwide. In addition to explaining the relevant conceptual background, the book provides dozens of examples, more than 230 exercises – many with solutions – and numerous suggestions for further reading. This second edition includes extended and completely revised chapters on process

identification, process discovery, qualitative process analysis, process redesign, process automation and process monitoring. A new chapter on BPM as an enterprise capability has been added, which expands the scope of the book to encompass topics such as the strategic alignment and governance of BPM initiatives. The textbook is the result of many years of combined teaching experience of the authors, both at the undergraduate and graduate levels as well as in the context of professional training. Students and professionals from both business management and computer science will benefit from the step-by-step style of the textbook and its focus on fundamental concepts and proven methods. Lecturers will appreciate the class-tested format and the additional teaching material available on the accompanying website.

Goal-Oriented Business Process Modeling - 2005
The objective of this e-book is to try to clarify the connection between the notions of goal and business process. The issue is a follow-up to the discussions at the Workshop on Goal-Oriented Business Process Modelling held in London on 2 September 2002. The papers cover a wide spectrum of topics, related to the notions of goals in the business process domain.

Business Process Modelling - Bernd Scholz-Reiter 2012-12-06
A collection of theoretical and practical contributions to the modelling of business processes as the key to success for todays companies and organisations. The book thus serves to exchange new ideas in the field while, at the same time, identifying as yet unsolved problems and proffering possible solutions.
Entity-Relationship Approach - ER '94. Business Modelling and Re-Engineering - Pericles Loucopoulos 1994-11-30
This volume constitutes the proceedings of the 13th International Conference on the Entity-Relationship Approach, ER '94, held in Manchester, UK in December 1994. The ER '94

book is devoted to business modelling and re-engineering and provides a balanced view between research and practical experience. The 34 full revised papers presented are organized in sections on business process modelling, enterprise modelling, systems evolution, modelling integrity constraints, object-oriented databases, active databases, CASE, reverse engineering, information system modelling, schema coordination, and re-engineering.
Semantic Methods for Execution-level Business Process Modeling - Ingo M. Weber 2009-11-06 This book develops new approaches for the rapid development and flexible adaption of business processes. It investigates how process modelers can be supported by semantic technologies and puts special emphasis on expressiveness and scalability.
Business Processes - Martyn A. Ould 1995-07-05
With the massive increase in interest in BPR, TQM and ISO 9000 has come a tide of texts and evangelical razzamatazz on the philosophy and the hearts and minds issues. But those tasked with making change happen at the coal face must feel short of practical tools to work with when it comes to modelling and analysing the business processes that are to be re-engineered, improved or defined. This book provides an answer. Why worry about processes? People know that organisations have functions and responsibilities but not everyone will see these as part of the process. Each person does their bit, but how do all the pieces fit together? Starting people to think about processes and simply modelling the processes can provide individuals and groups with a perspective which transcends parochial views and results in a more collaborative spirit; "now I know what you want I can ensure you get it reliably". A model that makes the process visible to all concerned brings great value in itself. Business Processes is intended to help people "get out of the functional silos". What is STRIM? STRIM-A Systematic

Technique for Role & Interaction Modelling-and its central notation-The Role Activity Diagram-provides a practical method for really getting to grips with what the organisation does and how it does it, in a way which is revealing, communicative, and accessible by everyone around the organisation. The book covers the full method: from organising a modelling project, through the notation, its use at micro and macro levels, patterns of organisational behaviour, through process analysis and on into process support system development.

The Practical Guide to Business Process Reengineering Using IDEFO - Clarence Feldmann 2013-07-15
This is the digital version of the printed book (Copyright © 1998). This book answers the call for a concise, comprehensive introduction to IDEF0 and its application in business process reengineering (BPR) efforts. Here is all the essential information about the IDEF0 method, the function analysis portion of the Integration Definition (IDEF) Methods—its definition, basic rules of usage (including the standard language syntax and semantics as contained in the Federal Standard), and lessons learned from many years of application in the real world. The book features examples based on actual models of commercial clients and government agencies. By studying IDEF0 models, readers learn how the method might be applied to the various aspects of enterprise analysis or systems analysis and what goals and benefits are reasonable to expect from its application. IDEF0 is at the heart of the DoD's version of BPR. In the private sector, industrial organizations that may have initially discovered IDEF through one or more government contracts have adopted it as a method for use with their own corporate BPR efforts. Use this book to apply the techniques of this increasingly popular member of the IDEF family of methods! Three Major Elements of the Method: 1. The concepts are at the foundation of IDEF0, and they preserve the

logical sense and intention of the model. These concepts answer why one approach is used over another in the application of IDEF0, and they provide the experienced analyst with the rationale for when it may be necessary to bend the rules. 2. The language of IDEF0 is the analyst's means of describing the activities of an enterprise to other analysts, readers, enterprise management and staff, and others. The language is written in graphical box-and-arrow notation on diagram forms that are structured to form IDEF0 models. 3. The pragmatics of IDEF0 provide the engineering procedures and the do's and don'ts for the use of IDEF0. In many cases, the pragmatics are so closely tied to the concepts and language that they are inseparable, and analysts who have attempted to use IDEF0 without employing the pragmatics have typically been unsuccessful. The most common misuses of IDEF0 are illustrated to show the kinds of problems that can occur if the pragmatics are not followed.

Issues & Trends of Information Technology Management in Contemporary Organizations - Information Resources Management Association. International Conference 2002-01-01
As the field of information technology continues to grow and expand, it impacts more and more organizations worldwide. The leaders within these organizations are challenged on a continuous basis to develop and implement programs that successfully apply information technology applications. This is a collection of unique perspectives on the issues surrounding IT in organizations and the ways in which these issues are addressed. This valuable book is a compilation of the latest research in the area of IT utilization and management.
Modeling and Analyzing Knowledge Intensive Business Processes with KMDL - Norbert Gronau 2012
"The proportion of value added of knowledge in companies has increased since the last years and

in this context the meaning of knowledge flows within business processes has become more important. Numerous developed approaches aim at modeling knowledge intensive business processes in order to enable the analysis, evaluation and deduction of potentials for optimization of knowledge flows within these processes. This book presents the Knowledge Modeling and Description Language (KMDL') as a modeling approach from a scientific-theoretical point of view as well as its practical applicability. Practitioners get a deeper comprehension of knowledge intensive business processes and a practical application orientation for the use of KMDL' within the company. Scientists and students get a summary about actual research efforts on knowledge intensive business processes, associated methods and cases of application."--Back cover.

Advances in Applied Economic Research - Nicholas Tsounis 2017-06-07
This proceedings volume aims to provide new research methods, theories and applications from various areas of applied economic research. Featuring papers from the 2016 International Conference on Applied Economics (ICOAE) organized by the University of Nicosia and the Western Macedonia University of Applied Sciences, this volume presents cutting edge research from all areas of economic science that use applied econometrics as the method of analysis. It also features country specific studies with specific economic policy analyses and proposals. Applied economics is a rapidly growing field of economics that combines economic theory with econometrics to analyse economic problems of the real world usually with economic policy interest. ICOAE is an annual conference started in 2008 with the aim to bring together economists from different fields of applied economic research in order to share methods and ideas. The goal of the conference and the enclosed papers is to allow for an exchange of experiences with different

applied econometric methods and to promote joint initiatives among well-established fields likemacro- and microeconomics, international economics, finance, agricultural economics, health economics, education economics, international trade theory and management and marketing strategies. Featuring global contributions, this book will be of interest to researchers, academics, professionals and policy makers in the field of applied economics and econometrics.

Quality in Business Process Modeling - John Krogstie 2016-10-27
This book covers the whole spectrum of modeling goals to achieve optimal quality in the process model developed. It focuses on how to balance quality considerations across all semiotic levels when models are used for different purposes, and is based on SEQUAL, a framework for understanding the quality of models and modeling languages, which can take into account all main aspects relating to the quality of models. Chapter 1 focuses on the theoretical foundations, introducing readers to the topics of business processes and business process modeling, as well as the most important concept underlying the modeling of business processes. In turn, Chapter 2 addresses the quality of models in general and business process models in particular. Chapter 3 contains a specialization of SEQUAL for quality of business process models. In Chapter 4, examples of the practical uses of business process models are provided, together with the results of detailed case studies on how to achieve and maintain quality in business process models. Chapter 5 presents a process modeling value framework that demonstrates how to achieve more long-term and higher return on investment with regard to (business) process and enterprise models. Lastly, Chapter 6 reviews the main points of the book and discusses the potential for business process modeling in the future through its combination with other types of modeling.

The book has two intended audiences. It is primarily intended for computer science, software engineering and information system students at the postgraduate level who want to know more about business process modeling and the quality of models in preparation for professional practice. The second audience consists of professionals with extensive experience in and responsibilities related to the development and evolution of process-oriented information systems and information systems methodologies in general, who need to formalize and structure their practical experience or update their knowledge as a way to improve their professional activity. The book also includes a number of real-world case studies that make it easier to grasp the main theoretical concepts, helping readers apply the approaches described.

Business Process Engineering - D. Jack Elzinga 2012-12-06
Due to growing concern about the competitiveness of industry in the international marketplace and the efficiency ofgovernment enterprises, widespread initiatives are currently underway to enhance thecompetitive posture offirms and to streamline government operations. Nearly all enterprises are engaged in assessing ways in which their productivity, product quality and operations can be improved. These efforts canbe described as Business Process Engineering (BPE). BPE had its roots in industry under differing titIes: Process Improvement, Process Simplification, Process Innovation, Reengineering, etc. It has matured to be an important ingredient of successful enterprises in the private and public sectors. After extensive exploitation by industrial and governmental practitioners and consultants, it is attracting increasing attention from academics in the fields of engineering and business. However, even with all of this attention in the popular literature, serious scholarly literature on BPE is in short supply. TItis is somewhat

surprising, especially since so many large international organizations have attempted BPE projectswith varied success.

Design, Performance, and Analysis of Innovative Information Retrieval - Lu, Zhongyu (Joan) 2012-08-31

Daily procedures such as scientific experiments and business processes have the potential to create a huge amount of data every day, hour, or even second, and this may lead to a major problem for the future of efficient data search and retrieval as well as secure data storage for the world☐s scientists, engineers, doctors, librarians, and business managers. Design, Performance, and Analysis of Innovative Information Retrieval examines a number of emerging technologies that significantly contribute to modern Information Retrieval (IR), as well as fundamental IR theories and concepts that have been adopted into new tools or systems. This reference is essential to researchers, educators, professionals, and students interested in the future of IR.

Modeling and Analysis of Enterprise and Information Systems - Qing Li 2009

Reengineering Health Care - Terry McNulty 2002-03-21

Organizations are being urged to experiment with new structures and processes. A 'process perspective' on organizing is emerging as a major challenge to 'functional' principles of organizing established during the last century. Business process reengineering is one exemplar of process thinking that has received great attention amongst organizational theorists and practitioners. This in-depth account of business process reengineering within a major NHS hospital is an important contribution to the very limited stock of empirical knowledge about new organizational forms, especially in the public sector. The book combines empirical data gathered through an intensive, comparative case study method with strategic choice and neo-

institutional theories to analyse the changing context of public organizations, importation of models of organizing from private to public organizations, and dynamics of public sector transformation. The outcomes of the change programme add to our more general organizational knowledge about (a) the impact of corporate change programmes, particularly in professionalized and public sector settings, (b) impediments and enablers of lateral organizing structures and processes, and (c) contradictions within the New Public Management between functional and process principles for organizing.

BUSINESS PROCESS REENGINEERING - R. RADHAKRISHNAN 2008-06-16

This textbook explores the fundamental principles of Business Process Reengineering (BPR). The express aim of the book is to address the needs of MBA students opting for courses in 'Information Technology Management or 'Operations Management', MCA students who opt for Business Processes as an elective, and students of BE/B.Tech Mechanical Engineering and Production Engineering for courses in Process Engineering/Automation/Management System Design. The book provides them with the concepts, methodologies, models and tools needed to understand and implement BPR. In a nutshell, the book offers a step-by-step presentation of the practical framework and management techniques needed to achieve engineering solutions for implementation of BPR in an organization. The initial chapters introduce the reader to the need for BPR and its utility in relation to IT and manufacturing. The middle chapters cover the methodology, success factors, barriers, and the technologies that are relevant for BPR implementation. The latter chapters present solutions like lean and virtual manufacturing, enterprise resource planning, and functional information systems. An exclusive chapter is devoted to concepts and tasks of software reengineering. Aided by extensive illustrations, end-of-chapter review questions, as

well as a chapter consisting entirely of case studies, this book will help students develop a rich, multifaceted perspective, to enable them to handle complex management and engineering problems. The book will be useful to students in practically all branches of engineering, not just mechanical/production/industrial engineering.

Business Process Modeling, Simulation and Design - Laguna Manuel 2011
This book covers the design of business processes from a broad quantitative modeling perspective. The text presents a multitude of analytical tools that can be used to model, analyze, understand and ultimately, to design business processes. The range of topics in this text include graphical flowcharting tools, deterministic models for cycle time analysis and capacity decisions, analytical queuing methods, as well as the use of Data Envelopment Analysis (DEA) for benchmarking purposes. And a major portion of the book is devoted to simulation modeling using a state of the art discrete-event simulation package.

Simulation Modelling for Business - Andrew Greasley 2017-03-02
Simulation Modelling has been used for many years in the manufacturing sector but has now become a mainstream tool in business situations. This is partly because of the popularity of Business Process Reengineering (BPR) and other process based improvement methods that use simulation to help analyse changes in process design. This text book includes case studies in both manufacturing and service situations to demonstrate the usefulness of the approach. A further reason for the increasing popularity of the technique is the development of business orientated and user-friendly windows-based software. This text provides a guide to the use of ARENA, SIMUL8 and WITNESS simulation software systems which are widely used in industry and available to students. Overall this text provides a practical guide to building and implementing the results from a simulation

model. All the steps in a typical simulation study are covered including data collection, input data modelling and experimentation.

Conceptual Modeling: Foundations and Applications - Alex T. Borgida 2009-07-06
This Festschrift volume, published in honor of John Mylopoulos on the occasion of his retirement from the University of Toronto, contains 25 high-quality papers, written by leading scientists in the field of conceptual modeling. The volume has been divided into six sections. The first section focuses on the foundations of conceptual modeling and contains material on ontologies and knowledge representation. The four sections on software and requirements engineering, information systems, information integration, and web and services, represent the chief current application domains of conceptual modeling. Finally, the section on implementations concentrates on projects that build tools to support conceptual modeling. With its in-depth coverage of diverse topics, this book could be a useful companion to a course on conceptual modeling.

Business Process Reengineering - Graham Sturdy 2010-09-13
This is an important text for all students and practitioners of Business Process Reengineering. It provides a comprehensive resource for understanding and implementing BPR as relating to the needs of each individual business, and it places particular emphasis on the importance of the OHandS function within the commercial environment. This volume provides an in-depth coverage of all the key areas which are essential to the implementation of BPR. It provides unique practical guidance on implementing BPR strategies as formulated by the author and a range of academic practitioners and industry experts. Importantly, it demonstrates how these initiatives can be implemented in a real-world environment and in accordance with stated business objectives, so as to effect positive and productive change. The

advantages of a newly-developed business tool known as the "Sturdy BPR Matrix" are carefully considered, as is guidance on the implementation of BPR in any situational context.

Modeling Business Processes - Wil Van Der Aalst, M.P. 2011-05-27
An introduction to the modeling of business information systems, with processes formally modeled using Petri nets. This comprehensive introduction to modeling business-information systems focuses on business processes. It describes and demonstrates the formal modeling of processes in terms of Petri nets, using a well-established theory for capturing and analyzing models with concurrency. The precise semantics of this formal method offers a distinct advantage for modeling processes over the industrial modeling languages found in other books on the subject. Moreover, the simplicity and expressiveness of the Petri nets concept make it an ideal language for explaining foundational concepts and constructing exercises. After an overview of business information systems, the book introduces the modeling of processes in terms of classical Petri nets. This is then extended with data, time, and hierarchy to model all aspects of a process. Finally, the book explores analysis of Petri net models to detect design flaws and errors in the design process. The text, accessible to a broad audience of professionals and students, keeps technicalities to a minimum and offers numerous examples to illustrate the concepts covered. Exercises at different levels of difficulty make the book ideal for independent study or classroom use.

Business Process Engineering - August-Wilhelm Scheer 1994
Once the decision has been made to introduce lean management, the task of actually reengineering the organization's business processes will involve months or even years of work and study. This book affords researchers, users and students valuable assistance in

implementing new organizational concepts through the employment of new information processing techniques. The structure of the book follows the business processes of logistics, product development, information and coordination, and offers detailed examples of how outdated organizational structures can be reengineered. The portrayals are embedded in the proven "Architecture of Integrated Information Systems" (ARIS) and emphasize an holistic view of the problem through function, data and process models. At the same time, it shows how design specifications can be employed to translate requirements definitions into concrete system implementations.

Business Process Change - Paul Harmon 2014-04-26
Business Process Change, 3rd Edition provides a balanced view of the field of business process change. Bestselling author Paul Harmon offers concepts, methods, cases for all aspects and phases of successful business process improvement. Updated and added for this edition is new material on the development of business models and business process architecture development, on integrating decision management models and business rules, on service processes and on dynamic case management, and on integrating various approaches in a broad business process management approach. New to this edition: How to develop business models and business process architecture How to integrate decision management models and business rules New material on service processes and on dynamic case management Learn to integrate various approaches in a broad business process management approach Extensive revision and update addresses Business Process Management Systems, and the integration of process redesign and Six Sigma Learn how all the different process elements fit together in this best first book on business process, now completely updated Tailor the presented methodology,

which is based on best practices, to your organization's specific needs Understand the human aspects of process redesign Benefit from all new detailed case studies showing how these methods are implemented

Reengineering the Corporation - Michael Hammer 2009-10-13
The most successful business book of the last decade, Reengineering the Corporation is the pioneering work on the most important topic in business today: achieving dramatic performance improvements. This book leads readers through the radical redesign of a company's processes, organization, and culture to achieve a quantum leap in performance. Michael Hammer and James Champy have updated and revised their milestone work for the New Economy they helped to create -- promising to help corporations save hundreds of millions of dollars more, raise their customer satisfaction still higher, and grow ever more nimble in the years to come.

Enterprise, Business-Process and Information Systems Modeling - Jens Gulden 2018-05-16
This book constitutes the proceedings of two events held at the CAiSE conference and relating to the areas of enterprise, business process and information systems modeling: The 19th International Conference on Business Process Modeling, Development and Support, BPMDS 2018, and the 23rd International Conference on Evaluation and Modeling Methods for Systems Analysis and Development, EMMSAD 2018. The conferences took place in Tallinn, Estonia, in June 2018. The 13 papers accepted for BPMDS were carefully reviewed and selected from 29 submissions; for EMMSAD 6 papers out of 13 submissions were accepted for publication. For BPMDS 2018, the papers were organized in topical sections as follows: context-awareness in business processes; automatic analysis of business processes; advanced approaches for business process modeling; evaluation of business process

modeling techniques; an experience report on modeling collaborative processes. For EMMSAD 2018, the six related papers are listed without further sections.

Business Process Management Workshops - Marcello La Rosa 2013-01-26 This book constitutes the refereed proceedings of 12 international workshops held in Tallinn, Estonia, in conjunction with the 10th International Conference on Business Process Management, BPM 2012, in September 2012. The 12 workshops comprised Adaptive Case Management and Other Non-Workflow Approaches to BPM (ACM 2012), Business Process Design (BPD 2012), Business Process Intelligence (BPI 2012), Business Process Management and Social Software (BPMS2 2012), Data- and Artifact-Centric BPM (DAB 2012), Event-Driven Business Process Management (edBPM 2012), Empirical Research in Business Process Management (ER-BPM 2012), Process Model Collections (PMC 2012), Process-Aware Logistics Systems (PALS 2012), Reuse in Business Process Management (rBPM 2012), Security in Business Processes (SBP 2012), and Theory and Applications of Process Visualization (TAProViz 2012). The 56 revised full papers presented were carefully reviewed and selected from 141 submissions.

Enabling Systematic Business Change - Volker Bach 2013-03-13 An increasing number of companies regard Business Process Redesign (BPR) as a significant means of improving their competitive position. The initial euphoria is being superseded by a more pragmatic assessment. This book demonstrates how a systematic, practical yet creative procedure can lead to more reliably successful BPR projects. Case studies and investigations support the superiority of a systematic, method-based approach as opposed to an "intuitive" one.Consequently, before the start of a project a method must be selected which corresponds to the strategic goals of the

project and is suited to the company environment. This book formulates the central principles and criteria for this, which are derived from practical experience. A procedural model and checklists help the reader to define what he requires from the method. From these criteria are then derived suitable BPR tools. Of particular importance here is the underlying cost-benefit analysis.The book describes over a dozen BPR methods and as many tools within a uniform framework. This ensures comparability and allows correlation with project-specific requirements. Particular attention is paid to method-tool combinations that are designed for combined use.Immer mehr Unternehmen sehen im Business Process Redesign (BPR) ein wesentliches Mittel, ihre Wettbewerbsfähigkeit zu steigern. Die anfängliche Euphorie weicht heute einer sachlicheren Betrachtung. Das Buch zeigt auf, warum ein systematisches, ingenieurmäßiges, aber gleichzeitig kreatives Vorgehen sicherer zu erfolgreichen BPR-Projekten führt.Fallstudien und empirische Untersuchungen untermauern die Überlegenheit des systematischen, methodisch unterstützten gegenüber dem "intuitiven" Ansatz. Dementsprechend ist vor Projektbeginn eine Methode auszuwählen, die der strategischen Zielsetzung des Projekts entspricht und in das Unternehmensumfeld paßt. Das Buch formuliert dafür die zentralen, aus der Praxis abgeleiteten Grundsätze und Kriterien. Ein Vorgehensmodel

Business Process Reengineering - Sanjay Mohapatra 2012-12-16
Business process reengineering (BPR) focuses on redesigning the strategic and value-added processes which transcend the organizational boundaries. It is a cross-functional approach that requires support from almost all the departments of the organization. Business Process Reengineering: Automation Decision Points in Process Reengineering offers a new framework based process reengineering and links it to organization life cycle, process life

cycle, and process management. This volume describes the fundamental concepts behind business process reengineering and examines them through case studies, and should appeal to researchers and academics interested in business process reengineering, operations strategy, and organizational restructuring and design.

Beyond Reengineering - Michael Hammer 2009-06-02
Reengineering has captured the imagination of managers and shareholders alike, sending corporations on journeys of radical business redesign that have already begun to transfigure global industry. Yet aside from earning them improvements in their business performance, the shift into more-process-centered organizations is causing fundamental changes in the corporate world, changes that business leaders are only now beginning to understand. What will the revolutions final legacy be? Beyond Reengineering addresses this question, exploring reengineering's effects on such areas as: Jobs: What does process-centering do to the nature of jobs? What does a process-centered workplace feel like? Managers: What is the new role of the manager in a process-centered company? Education: What skills are vital in the process-centered working world, and how can young or inexperienced workers prepare? Society: What are the implications of process-centering for employment and the economy as a whole? Investment: What are the characteristics of a successful 21st-century corporation? An informed look at one of the most profound changes to ever sweep the corporate world, Beyond Reengineering is the business manual for the 21st century.

Business Process Reengineering Assessment Guide - Jack L. Brock, Jr. 1997-09-01
Discusses nine assessment issues that are grouped into three major areas: assessing the decision to pursue Business Process Reengineering (BPR), focuses on strategic &

general management issues that need to be resolved before an organization embarks on a BPR project. Assessing the new process' development picks up at the point where the organization has decided to begin a BPR project. It focuses on the management of the BPR team, the team's process redesign activities, & the business case it develops. Assessing project implementation & results deals with the problems involved in piloting & deploying a new BPR. Glossary & bibliography.