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KEY=ARCHITECTURE - AUBREE WALSH

Enterprise Architecture

How to Get Ea Optimised

CreateSpace **This updated and expanded second edition of the Enterprise Architecture: How to get EA optimised provides a user-friendly introduction to the subject, Taking a clear structural framework, it guides the reader through the subject's core elements. A flowing writing style combines with the use of illustrations and diagrams throughout the text to ensure the reader understands even the most complex of concepts. This succinct and enlightening overview is a required reading for all those interested in the subject . We hope you find this book useful in shaping your future career & Business. Feel free to send us your inquiries related to our publications to info@pwpublishers.pw**

Combining Business Process Management and Enterprise Architecture for Better Business Outcomes

IBM Redbooks This IBM® Redbooks® publication explains how to combine business process management (BPM) and Enterprise Architecture (EA) for better business outcomes. This book provides a unique synergistic approach to BPM and EA, based on a firm understanding of the life cycles of the enterprise and the establishment of appropriate collaboration and governance processes. When carried out together, BPM provides the business context, understanding, and metrics, and EA provides the discipline to translate business vision and strategy into architectural change. Both are needed for sustainable continuous improvement. This book provides thought leadership and direction on the topic of BPM and EA synergies. Although technical in nature, it is not a typical IBM Redbooks publication. The book provides guidance and direction on how to collaborate effectively across tribal boundaries rather than technical details about IBM software products. The primary audience for this book is leaders and architects who need to understand how to effectively combine BPM and EA to drive, as a key differentiator, continuous improvement and transformational change with enterprise scope.

Masterclass Enterprise Architecture Management

Springer Nature This textbook provides a hands-on introduction to enterprise architecture management. It guides the reader through the applications of methods and tools to typical business problems by presenting enterprise architecture frameworks and by sharing experiences from industry. The structure of the book represents the typical stages of the journey of an enterprise architect. Chapter 1 addresses the central question of what to achieve with the introduction of an enterprise architecture. Chapter 2 then introduces concepts and visualizations for business architecture that help with understanding the business. In chapter 3 the development of an application architecture is outlined, which provides transparency on information systems and their business context. Next, chapter 4 presents visual tools to analyze, improve and eventually optimize the application landscape. Chapter 5 discusses both traditional organizational as well as collaborative approaches to enterprise architecture management. Eventually, several established enterprise architecture frameworks like TOGAF, Zachmann, ArchiMate, and IAF are described in

chapter 6. The book concludes with a summary and an outlook on future research potential in chapter 7. Based on their experiences through several years of teaching, the authors introduce students step-by-step to enterprise architecture development and management. Their book is intended as a guide for master classes at universities and includes lots of exercises and references for further reading.

Handbook of Enterprise Systems Architecture in Practice

IGI Global "This book is a valuable addition to the reading list of executives, managers, and staff in business, government, and other sectors who seek to keep their enterprises agile and efficient as they manage change, implement new business processes and supporting technologies, and pursue important strategic goals"--Provided by publisher.

A Modern Enterprise Architecture Approach

Steps Publishing Australia The revised version of this book to provide essential guidance, compelling ideas, and unique ways to Enterprise Architects so that they can successfully perform complex enterprise modernisation initiatives transforming from chaos to coherence. This is not an ordinary theory book describing Enterprise Architecture in detail. There are myriad of books on the market and in libraries discussing details of enterprise architecture. My aim here is to highlight success factors and reflect lessons learnt from the field within enterprise modernisation and transformation context. As a practising Senior Enterprise Architect, myself, I read hundreds of those books and articles to learn different views. They have been valuable to me to establish my foundations in the earlier phase of my profession. However, what is missing now is a concise guidance book showing Enterprise Architects the novel approaches, insights from the real-life experience and experimentations, and pointing out the differentiating technologies for enterprise modernisation. If only there were such a guide when I started engaging in modernisation and transformation programs. The biggest lesson learned is the business outcome of the enterprise modernisation. What genuinely matters for business is the return on investment of the enterprise architecture and its monetising capabilities. The rest is the theory because nowadays sponsoring executives, due to economic climate, have no interest, attention, or tolerance for non-profitable ventures. I am sorry for disappointing some idealistic Enterprise Architects, but with due respect, it is the reality, and we cannot change it. This book deals with reality rather than

theoretical perfection. Anyone against this view on this climate must be coming from another planet. In this concise, uncluttered and easy-to-read book, I attempt to show the significant pain points and valuable considerations for enterprise modernisation using a structured approach and a simple narration especially considering my audience from non-English speaking backgrounds. The architectural rigour is still essential. We cannot compromise the rigour aiming to the quality of products and services as a target outcome. However, there must be a delicate balance among architectural rigour, business value, and speed to the market. I applied this pragmatic approach to multiple substantial transformation initiatives and complex modernisations programs. The key point is using an incrementally progressing iterative approach to every aspect of modernisation initiatives, including people, processes, tools, and technologies as a whole. Starting with a high-level view of enterprise architecture to set the context, I provided a dozen of distinct chapters to point out and elaborate on the factors which can make a real difference in dealing with complexity and producing excellent modernisation initiatives. As eminent leaders, Enterprise Architects are the critical talents who can undertake this massive mission using their people and technology skills, in addition to many critical attributes such as calm and composed approach. Let's keep in mind that as Enterprise Architects, we are architects, not firefighters! I have full confidence that this book can provide valuable insights and some 'aha' moments for talented architects like yourself to tackle this enormous mission of turning chaos to coherence.

Practice-Driven Research on Enterprise Transformation

Third Working Conference, PRET 2011, Luxembourg, September 6, 2011, Proceedings

Springer Science & Business Media This volume constitutes the proceedings of the Third Working Conference on Practice-Driven Research on Enterprise Transformation (PRET), held in Luxembourg, on September 6, 2010, as the industrial track of the 13th IEEE Conference on Commerce and Enterprise Computing (CEC 2011). The third edition of PRET marks a close collaboration between academia and practice. With the specific purpose of mutual learning and crossfertilization, top practitioners from industry were invited to submit case studies. To give them enough space for presentation, only four academic papers were accepted. These papers were submitted with a length of 25 pages to

enable a more detailed coverage of the related research and to stimulate further discussions during the conference. The topics covered are Enterprise Architecture, Business and IT Alignment, and Business Process Management and Evaluation.

Optimizing and Assessing Information Technology

Improving Business Project Execution

John Wiley & Sons

Business Process Management: Blockchain and Central and Eastern Europe Forum

BPM 2019 Blockchain and CEE Forum, Vienna, Austria, September 1-6, 2019, Proceedings

Springer Nature This book constitutes the contributions presented at the Blockchain Forum and the Central and Eastern Europe Forum (CEE Forum) held at the 17th International Conference on Business Process Management, BPM 2019, which took place in Vienna, Austria, in September 2019. The Blockchain Forum deals with the use of blockchain for collaborative information systems. Conceptual, technical and application-oriented contributions are pursued within the scope of this theme. The Blockchain Forum received a total of 31 submissions; 10 full and 1 short paper were accepted for publication in this book. The objective of the CEE Forum is to foster discussion for BPM academics from Central and Eastern Europe to disseminate their research, compare results and share experiences. For the CEE Forum 16 submissions were received and 6 full and 2 short papers were accepted for publication. The book also contains one invited talk in full-paper length and 6 poster papers from the CEE Forum.

Enterprise Architecture for Connected E-Government: Practices and Innovations

Practices and Innovations

IGI Global "This book addresses the gap in current literature in terms of linking and understanding the relationship between e-government and government enterprise architecture"--Provided by publisher.

The SIM Guide to Enterprise Architecture

CRC Press **Enterprise architecture is leading IT's way to the executive boardroom, as CIOs are now taking their place at the management table. Organizations investing their time, money, and talent in enterprise architecture (EA) have realized significant process improvement and competitive advantage. However, as these organizations discovered, it is one thing to acquire a game-changing technology but quite another to discover ways to use it well. A project of the Society for Information Management's Enterprise Architecture Working Group and edited by Leon A. Kappelman, The SIM Guide to Enterprise Architecture provides insights from leading authorities on EA, including John Zachman, Larry DeBoever, George Paras, Jeanne Ross, and Randy Hite. The book supplies a solid understanding of key concepts for effectively leveraging EA to redesign business processes, integrate services, and become an Information Age enterprise. Beginning with a look at current theory and frameworks, the book discusses the practical application of enterprise architecture and includes a wealth of best practices, resources, and references. It contains the SIM survey of IT organizations' EA activities, which provides important metrics for evaluating progress and success. Successful businesses exploit synergy among business functions and push the boundaries of process design. IT's cross-functional position uniquely qualifies it to lead process innovation. EA lets CIOs integrate technology with business vision and is the roadmap for implementing new systems, changing behavior, and driving value. This book explores the vision, foundation, and enabling technology required to successfully transform organizations with enterprise architecture.**

A Systemic Perspective to Managing Complexity with Enterprise Architecture

IGI Global **Organizational complexity is an unavoidable aspect of all businesses, even larger ones, which can hinder their ability to react to sudden or disruptive change. However, with the implementation of enterprise architecture (EA), businesses are able to provide their leaders with the resources needed to address any arising challenges. A Systemic Perspective to Managing Complexity with Enterprise Architecture highlights the current advances in utilizing enterprise architecture for managing organizational complexity. By demonstrating the value and usefulness of EA, this book serves as a reference for business leaders, managers, engineers, enterprise architects, and many others interested in new research and approaches to business complexity.**

Enterprise Architecture

Creating Value by Informed Governance

Springer Science & Business Media **This book is positioned as a first 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 fields. As an introductory book, this book aims to explore the concept of enterprise architecture. At first glance, writing such an introductory book might seem as a straight forward task of setting up a structure and filling 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 field. However, when we started writing this book, and each of us exposed our individual understandings, it became apparent that our understanding of the field differed in several ways. This prompted several discussions leading to an abundance of new insights. Without exception, these discussions took place in a pleasant and open atmosphere, fueled by our shared drive for understanding and increased insight. We are now even more convinced than before, that the field 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 field of enterprise architecture from the perspective of our insights, many aspects need further refinement.

Enterprise Architecture, Integration and Interoperability

IFIP TC 5 International Conference, EAI2N 2010, Held as Part of WCC 2010, Brisbane, Australia, September 20-23, 2010, Proceedings

Springer Science & Business Media **Enterprise Architecture, Integration, and Interoperability and the Networked enterprise have become the theme of many conferences in the past few years. These conferences were organised by IFIP TC5 with the support of its two working groups: WG 5. 12 (Architectures for Enterprise Integration) and WG 5. 8 (Enterprise Interoperability), both concerned with aspects of the topic: how is it possible to architect and implement businesses that are flexible and able to change, to interact, and use one another's services in a dynamic manner for the purpose of (joint) value creation. The original question of enterprise integration in the 1980s was: how can we achieve and integrate - formation and material flow in the enterprise? Various methods and reference models were developed or proposed - ranging from tightly integrated monolithic system - chitectures, through cell-based manufacturing to on-demand interconnection of businesses to form virtual enterprises in response to market opportunities. Two camps have emerged in the endeavour to achieve the same goal, namely, to achieve interoperability between businesses (whereupon interoperability is the ability to exchange information in order to use one another's services or to jointly implement a service). One school of researchers addresses the technical aspects of creating dynamic (and static) interconnections between disparate businesses (or parts thereof).**

From Enterprise Architecture to IT Governance

Elements of Effective IT Management

Springer Science & Business Media **This book shows its readers how to achieve the goal of genuine IT governance. The key here is the successful development of enterprise architecture as the necessary foundation. With its capacity to span and integrate business procedures, IT applications and IT infrastructure, enterprise architecture opens these areas up to analysis and makes them rich sources of critical data. Enterprise architecture thereby rises to the status of a crucial management information system for the CIO. The focused analysis of the architecture (its current and future states) illuminates the path to concrete IT development planning and the cost-effective and beneficial deployment of IT. Profit from the author's firsthand experience - proven approaches firmly based in enterprise reality.**

Enterprise Architecture for Business Success

Bentham Science Publishers **Enterprise Architecture (EA) has evolved to become a prominent presence in today's information systems and technology landscape. The EA discipline is rich in frameworks, methodologies, and the like. However, the question of 'value' for business ;professionals remains largely unanswered - that is, how best can Enterprise Architecture and Enterprise Architects deliver value to the enterprise? Enterprise Architecture for Business Success answers this question. Enterprise Architecture for Business Success is primarily intended for IT professionals working in the area of Enterprise Architecture. The eBook gives practical insights into what constitutes EA and how it might be practiced in a typical resource constrained business environment. The contents of the eBook include a brief guideline about EA systems and terminology, followed by notes on how to design enterprise systems in line with business strategies. The eBook also presents case studies which help to demonstrate the distance between theory and reality when it comes to optimizing IT infrastructure for successfully achieving business goals. Lengthy theoretical discussions are avoided in favor of focusing more on the practice and tools of EA. Readers will find value in this eBook, whether they are an IT consultant or a manager, an EA team lead or member, or just someone keen to learn about real-world EA.**

Cloud Enterprise Architecture

CRC Press Cloud Enterprise Architecture examines enterprise architecture (EA) in the context of the surging popularity of Cloud computing. It explains the different kinds of desired transformations the architectural blocks of EA undergo in light of this strategically significant convergence. Chapters cover each of the contributing architectures of EA—business, information, application, integration, security, and technology—illustrating the current and impending implications of the Cloud on each. Discussing the implications of the Cloud paradigm on EA, the book details the perceptible and positive changes that will affect EA design, governance, strategy, management, and sustenance. The author ties these topics together with chapters on Cloud integration and composition architecture. He also examines the Enterprise Cloud, Federated Clouds, and the vision to establish the InterCloud. Laying out a comprehensive strategy for planning and executing Cloud-inspired transformations, the book: Explains how the Cloud changes and affects enterprise architecture design, governance, strategy, management, and sustenance Presents helpful information on next-generation Cloud computing Describes additional architectural types such as enterprise-scale integration, security, management, and governance architectures This book is an ideal resource for enterprise architects, Cloud evangelists and enthusiasts, and Cloud application and service architects. Cloud center administrators, Cloud business executives, managers, and analysts will also find the book helpful and inspirational while formulating appropriate mechanisms and schemes for sound modernization and migration of traditional applications to Cloud infrastructures and platforms.

Coherency Management

Architecting the Enterprise for Alignment, Agility and Assurance

AuthorHouse The book introduces the idea of Coherency Management, and asserts that this is the primary outcome goal of an enterprise's architecture. With submissions from over 30 authors and co-authors, the book reinforces the idea

that EA is being practiced in an ever-increasing variety of circumstances - from the tactical to the strategic, from the technical to the political, and with governance that ranges from sell to tell. The characteristics, usages, value statements, frameworks, rules, tools and countless other attributes of EA seem to be anything but orderly, definable, classifiable, and understandable as might be hoped given heritage of EA and the famous framework and seminal article on the subject by John Zachman over two decades ago. Notably, EA is viewed as an Enterprise Design and Management approach, adopted to build better enterprises, rather than a IT Design and Management approach limited to build better systems.

An Introduction to Enterprise Architecture

Third Edition

AuthorHouse **An Introduction to Enterprise Architecture is the culmination of several decades of experience that I have gained through work initially as an information technology manager and then as a consultant to executives in the public and private sectors. I wrote this book for three major reasons: (1) to help move business and technology planning from a systems and process-level view to a more strategy-driven enterprise-level view, (2) to promote and explain the emerging profession of EA, and (3) to provide the first textbook on the subject of EA, which is suitable for graduate and undergraduate levels of study. To date, other books on EA have been practitioner books not specifically oriented toward a student who may be learning the subject with little to no previous exposure. Therefore, this book contains references to related academic research and industry best practices, as well as my own observations about potential future practices and the direction of this emerging profession.**

Strategic Enterprise Architecture Management

Challenges, Best Practices, and Future Developments

Springer Science & Business Media **The Enterprise Architecture Management (EAM) discipline deals with the alignment of business and information systems architectures. While EAM has long been regarded as a discipline for IT managers, this book takes a different stance: It explains how top executives can use EAM to leverage their strategic planning and controlling processes, as well as how it can contribute to their sustainable competitive advantage. Based on the analysis of best practices from eight leading European companies from various industries, the book presents the crucial elements of successful EAM. It outlines what executives need to do in terms of governance, processes, methodologies, and culture in order to bring their management to the next level. Beyond this, the book points out how EAM could develop in the next decade, thus allowing today's managers to prepare for the future architecture management.**

Optimization of Supply Chain Management in Contemporary Organizations

IGI Global **In order to experience significant improvement in business processes, successful organizations must launch, implement, and maintain effective transformation programs. Such programs enable companies to fully maximize benefits and avoid potential failures. Optimization of Supply Chain Management in Contemporary Organizations discusses best practices and methods in transformation initiatives that improve the overall functionality and success of supply chain processes. Focusing on performance measurement, change management, and strategy development, this book is an essential reference source for executives, managers, advanced-level students, and professionals working in the field of business transformations and supply chain development.**

Proceedings of the 2011 2nd International Congress on

Computer Applications and Computational Science

Volume 1

Springer Science & Business Media **The latest inventions in computer technology influence most of human daily activities. In the near future, there is tendency that all of aspect of human life will be dependent on computer applications. In manufacturing, robotics and automation have become vital for high quality products. In education, the model of teaching and learning is focusing more on electronic media than traditional ones. Issues related to energy savings and environment is becoming critical. Computational Science should enhance the quality of human life, not only solve their problems. Computational Science should help humans to make wise decisions by presenting choices and their possible consequences. Computational Science should help us make sense of observations, understand natural language, plan and reason with extensive background knowledge. Intelligence with wisdom is perhaps an ultimate goal for human-oriented science. This book is a compilation of some recent research findings in computer application and computational science. This book provides state-of-the-art accounts in Computer Control and Robotics, Computers in Education and Learning Technologies, Computer Networks and Data Communications, Data Mining and Data Engineering, Energy and Power Systems, Intelligent Systems and Autonomous Agents, Internet and Web Systems, Scientific Computing and Modeling, Signal, Image and Multimedia Processing, and Software Engineering.**

Software Process and Product Measurement

International Conferences IWSM 2008, Metrikon 2008, and Mensura 2008 Munich, Germany, November 18-19,

2008. Proceedings

Springer Science & Business Media **Annotation** This book constitutes the thoroughly refereed post-proceedings of the **International Workshop on Software Measurement, IWSM-Mensura 2007**, held in Palma de Mallorca, Spain, in **November 2007**. The 16 revised full papers presented were carefully reviewed and selected for inclusion in the book. The papers deal with aspects of software measurement like function-points measurement, effort and cost estimates, prediction, industrial experiences in software measurement, planning and implementing measurement, measurement-based software process improvement, best practices in software measurement, usability and user interaction measurement, measurement of open source projects, teaching and learning software measurement as well as new trends and ontologies for software measurement.

The TOGAF® Standard, 10th Edition - Leader's Guide

Van Haren This document is a **TOGAF Series Guide: The TOGAF Leader's Guide to Establishing and Evolving an EA Capability**. It has been developed and approved by The Open Group, and is part of the TOGAF Standard, 10th Edition. Written for the Enterprise Architecture Capability Leader, the person who is tasked to lead the effort to establish or evolve an Enterprise Architecture Capability, the Leader's Guide presents advice on establishing an Enterprise Architecture Capability that aligns to a set of requirements and expectations that are specific to each enterprise. It proposes an approach for the standing-up and enhancement of an enterprise's Enterprise Architecture Capability, based upon established best practices. This approach follows a configured path through the TOGAF Architecture Development Method (ADM). This document:

- Introduces key topics of concern
- Defines the terms related to the topic
- Shows the terms that are related to an EA Capability
- Discusses what the Leader needs to know
- Describes what the Leader should do with this knowledge

It covers the following topics:

- An introduction to the topic, including an assessment of the state of EA, definitions, and key concepts used in the Guide
- A narrative that is a companion to the TOGAF ADM, that leads the reader through a series of topics and related steps to assist in stepping back from the current operational context to seek a broader perspective
- How to adopt an EA Capability, including the preparation and initiation activities required to establish or enhance the EA Capability
- A mapping of how the TOGAF ADM can be used for architecting and establishing an EA Capability

Architecting the Digital Transformation

Digital Business, Technology, Decision Support, Management

Springer Nature **This research-oriented book presents key contributions on architecting the digital transformation. It includes the following main sections covering 20 chapters: · Digital Transformation · Digital Business · Digital Architecture · Decision Support · Digital Applications Focusing on digital architectures for smart digital products and services, it is a valuable resource for researchers, doctoral students, postgraduates, graduates, undergraduates, academics and practitioners interested in digital transformation.**

On the Move to Meaningful Internet Systems: OTM 2009 Workshops

Confederated International Workshops and Posters, ADI, CAMS, EI2N, ISDE, IWSSA, MONET, OnToContent, ODIS, ORM, OTM Academy, SWWS, SEMELS, Beyond SAWSDL,

and Combek 2009, Vilamoura, Portugal, November 1-6, 2009, Proceedings

Springer Internet-based information systems, the second covering the large-scale integration of heterogeneous computing systems and data resources with the aim of providing a global computing space.

Each of these four conferences encourages researchers to treat their respective topics within a framework that incorporates jointly (a) theory, (b) conceptual design and development, and (c) applications, in particular case studies and industrial solutions. Following and expanding the model created in 2003, we again solicited and selected quality workshop proposals to complement the more “archival” nature of the main conferences with research results in a number of selected and more “avant-garde” areas related to the general topic of Web-based distributed computing. For instance, the so-called Semantic Web has given rise to several novel research areas combining linguistics, information systems technology, and artificial intelligence, such as the modeling of (legal) regulatory systems and the ubiquitous nature of their usage. We were glad to see that ten of our earlier successful workshops (ADI, CAMS, E2N, SWWS, ORM, OnToContent, MONET, SEMELS, COMBEK, IWSSA) re-appeared in 2008 with a second, third or even fourth edition, sometimes by alliance with other newly emerging workshops, and that no fewer than three brand-new independent workshops could be selected from proposals and hosted: ISDE, ODIS and Beyond SAWSDL. Workshop audiences productively mingled with each other and with those of the main conferences, and there was considerable overlap in authors.

Information Systems for Small and Medium-sized Enterprises

State of Art of IS Research in SMEs

Springer Science & Business Media **This book establishes and explores existing and emerging theories on Small and Medium-sized Enterprises (SMEs) and the adoption of IT/IS. It presents the latest empirical research findings in that area of IS research and explores new technologies and practices. The book is written for researchers and professionals working in the field of IS research or the research of SMEs. Moreover, the book will be a reference for researchers, professionals and students in management information systems science and related fields.**

Neuroprosthetic Supersystems Architecture

Considerations for the Design and Management of Neurocybernetically Augmented Organizations

Synthyption Academic **This volume serves a resource for the design and analysis of neuroprosthetic supersystems, which can be defined as organizations - either small or large, simple or complex - whose human members have been neuroprosthetically augmented. While numerous other texts focus on the biomedical engineering of neuroprostheses as technological devices or on the biocybernetic engineering of the host-device system comprising a neuroprosthesis and its human host, this volume presents a unique investigation of the intentional creation of higher-order supersystems that allow multiple neuroprosthetically augmented human beings to interact with one another and with external information systems in order to accomplish some shared task. In essence, this can be understood as the work of designing and managing neuroprosthetically enhanced organizations. Individual chapters present an ontology of the neuroprosthesis as a computing device; a biocybernetic ontology of the host-device system; an ontology of the neuroprosthesis as an instrument of 'cyborgization'; motivating and inhibiting factors for the organizational deployment of posthumanizing neuroprostheses by military organizations and other early adopters; an introduction to enterprise architecture in the context of technological posthumanization; an exploration of the implications of neuroprosthetic augmentation for enterprise architecture; and considerations for the development of effective**

network topologies for neuroprosthethically augmented organizations. The conceptual frameworks formulated within this book offer a wide range of tools that can be of use to policymakers, ethicists, neuroprosthetic device manufacturers, organizational decision-makers, and others who must analyze or manage the complex legal, ethical, and managerial implications that result from the use of emerging neuroprosthetic technologies within an organizational context.

Advances in Evolutionary and Deterministic Methods for Design, Optimization and Control in Engineering and Sciences

[Springer](#) This book contains state-of-the-art contributions in the field of evolutionary and deterministic methods for design, optimization and control in engineering and sciences. Specialists have written each of the 34 chapters as extended versions of selected papers presented at the International Conference on Evolutionary and Deterministic Methods for Design, Optimization and Control with Applications to Industrial and Societal Problems (EUROGEN 2013). The conference was one of the Thematic Conferences of the European Community on Computational Methods in Applied Sciences (ECCOMAS). Topics treated in the various chapters are classified in the following sections: theoretical and numerical methods and tools for optimization (theoretical methods and tools; numerical methods and tools) and engineering design and societal applications (turbo machinery; structures, materials and civil engineering; aeronautics and astronautics; societal applications; electrical and electronics applications), focused particularly on intelligent systems for multidisciplinary design optimization (mdo) problems based on multi-hybridized software, adjoint-based and one-shot methods, uncertainty quantification and optimization, multidisciplinary design optimization, applications of game theory to industrial optimization problems, applications in structural and civil engineering optimum design and surrogate models based optimization methods in aerodynamic design.

Perspectives in Business Informatics Research 16th International Conference, BIR 2017, Copenhagen, Denmark, August 28–30, 2017, Proceedings

Springer This book constitutes the proceedings of the 16th International Conference on Perspectives in Business Informatics Research, BIR 2017, held in Copenhagen, Denmark, in August 2017. This year the BIR conference attracted 59 submissions from 23 countries. They were reviewed by 45 members of the Program Committee, and as a result, 17 full papers and 3 short papers were selected for presentation at the conference and publication in this volume. They are organized in sections on enterprise architecture, business process management, business analytics, information systems applications, and information systems development. In addition, the summaries of the two conference keynotes are also included. This year, the conference theme was the digital transformation, which will impact most businesses, organizations and societies and call for new and radical approaches to how we adopt, use and manage IT.

Networking and Telecommunications: Concepts, Methodologies, Tools, and Applications Concepts, Methodologies, Tools, and Applications

IGI Global "This multiple-volume publications exhibits the most up-to-date collection of research results and recent discoveries in the transfer of knowledge access across the globe"--Provided by publisher.

Realize Enterprise Architecture with AWS and SAFe

A comprehensive, hands-on guide to AWS with Agile and TOGAF

Packt Publishing Ltd Harness the power of enterprise architecture, AWS, and agile methodologies to optimize operational efficiency in your organization **Key Features** Use EA and agile practices to maximize your organization's operational efficiency Learn how to use EA approaches in AWS through their prescriptive frameworks Align SAFe principles with EA and cloud migration **Book Description** Agile implementation of enterprise architecture (EA) in the cloud is a powerful organizational tool, but it is challenging, particularly for architects who are used to on-premises environments. This in-depth guide will tell you all you need to know to reap the benefits of applying EA in your organization to achieve operational efficiency. Starting with an overview of the foundations of enterprise architecture, you'll see how it can be applied to AWS as well as explore the frameworks AWS provides for EA, such as the AWS Well-Architected Framework. That's not all - the book shows you how these frameworks align with The Open Group Architecture Framework (TOGAF) architecture development method (ADM) and the Zachman Framework so that you can choose the right fit for your organization. As you advance, you'll learn how to apply SAFe to make your organization agile as well as efficient. Once you've gotten to grips with the theory, you can explore use cases and take a quiz at the end of the book to test yourself and see how EA is applied in practice. By the end of this enterprise architecture book, you'll have the skills and knowledge required to apply EA in the cloud with AWS and drive your organization to become super-efficient and agile. **What you will learn** Set up the core foundation of your enterprise architecture Discover how TOGAF relates to enterprise architecture Explore AWS's EA frameworks and find out which one is the best for you Use SAFe to maximize agility in your organization Find out how to use ArchiMate to model your architecture Establish proper EA practices in your organization Migrate to the cloud with AWS and SAFe **Who this book is for** This agility book is for experienced and inexperienced solutions architects, enterprise architects, and cloud architects who know the basics of software and solutions architecture, along with cloud fundamentals, and are looking to get started with AWS and SAFe to implement enterprise architecture in the cloud.

PHealth 2015

Proceedings of the 12th International Conference on Wearable Micro and Nano Technologies for Personalized Health 2-4 June 2015 Västerås, Sweden

IOS Press **Smart mobile systems, smart textiles, smart implants and sensor controlled medical devices are among the recent developments which have become important enablers for telemedicine and next-generation health services. Social media and gamification have added yet another dimension to Personalized Health (pHealth). This book presents the proceedings of pHealth 2015, the 12th International Conference on Wearable Micro and Nano Technologies for Personalized Health, held in Västerås, Sweden, in June 2015. The conference addressed mobile technologies, knowledge-driven applications and computer-assisted decision support, as well as apps designed to support the elderly and those with chronic conditions in their daily lives. The 23 conference papers, three keynotes and two specially invited contributions included here address the fundamental scientific and methodological challenges of adaptive, autonomous and intelligent pHealth approaches. Participants at this truly interdisciplinary conference included representatives from all relevant stakeholder communities, and the topics covered will be of interest to all those whose work involves improving the quality of medical services, optimizing industrial competitiveness and managing healthcare costs.**

Strategic Information Technology and Portfolio

Management

IGI Global "The objectives of the proposed book are to provide techniques and tools appropriate for building application portfolios and develop strategies that increase financial performance"--Provided by publisher.

Technology In Government, 1/e

Jaijit Bhattacharya Contributed articles.

Enterprise Architecture As Strategy

Creating a Foundation for Business Execution

Harvard Business Press Does it seem you've formulated a rock-solid strategy, yet your firm still can't get ahead? If so, construct a solid foundation for business execution—an IT infrastructure and digitized business processes to automate your company's core capabilities. In *Enterprise Architecture as Strategy: Creating a Foundation for Business Execution*, authors Jeanne W. Ross, Peter Weill, and David C. Robertson show you how. The key? Make tough decisions about which processes you must execute well, then implement the IT systems needed to digitize those processes. Citing numerous companies worldwide, the authors show how constructing the right enterprise architecture enhances profitability and time to market, improves strategy execution, and even lowers IT costs. Though clear, engaging explanation, they demonstrate how to define your operating model—your vision of how your firm will survive and grow—and implement it through your enterprise architecture. Their counterintuitive but vital message: when it comes to executing your strategy, your enterprise architecture may matter far more than your strategy itself.

Financial Services and General Government

Appropriations for 2010

Hearings Before a Subcommittee of the Committee on Appropriations, House of Representatives, One Hundred Eleventh Congress, First Session

Business transformation in operation (s)

Lulu.com

Collaborative Enterprise Architecture

Enriching EA with Lean, Agile, and Enterprise 2.0 Practices

Newnes **Why collaborative enterprise architecture? -- What is enterprise architecture -- What enterprise architects do: core activities of EA -- EA frameworks -- EA maturity models -- Foundations of collaborative EA -- Towards pragmatism: lean and agile EA -- Inviting to participation: eam 2.0 -- The next steps: taking collaborative EA forward.**

How to Survive in the Jungle of Enterprise Architecture Frameworks

Creating Or Choosing an Enterprise Architecture Framework

Trafford Publishing **The first Enterprise Architecture book that compares the 14 most popular Enterprise Architecture Frameworks in the world. A unique book for CIO's, Enterprise Architects and all others interested in EA.**

Using Applied Mathematical Models for Business Transformation

IGI Global **Traditional business practices have been left behind due to the increased use of data analytics and information technology in companies worldwide. This development has led to businesses implementing transformative projects that use these new technologies in their decision-making systems. Altering the entire architecture of a company is a daunting task; however, researchers are finding methods through applied mathematics that can make it easier on companies. Implementing analytical models into current business processes is vital for professionals across the globe. Using Applied Mathematical Models for Business Transformation is an essential reference source that discusses the advancement of decision-making systems in business environments with the use of applied mathematics, algorithms, and information technology. Featuring research on topics such as decision-making systems, critical success factors, and global enterprise architecture, this book is ideally designed for project managers, financial analysts, business strategists, software engineers, technical architects, students, researchers, and educators seeking coverage on the transformation of business practices using applied mathematics and information technology.**