Extended Enterprise Architecture Maturity Model Guide V2

Interoperability: the ability of a system or a product to work with other systems or products without special effort from the user is a key issue in manufacturing and industrial enterprise generally. It is fundamental to the production of goods and services quickly and at low cost at the same time as maintaining levels of quality and customisation. Composed of over 50 papers, Enterprise Interoperability III ranges from academic research through case studies to industrial and administrative experience of interoperability. The international nature of the authorship continues to broaden. Many of the papers have examples and illustrations calculated to deepen understanding and generate new ideas. A concise reference to the state of the art in software interoperability, Enterprise Interoperability III will be of great value to engineers and computer scientists working in manufacturing and other process industries and to software engineers and electronic and manufacturing engineers working in the academic environment.

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.

Mounting scientific evidence shows that Earth?s climate is dramatically changing due to the greenhouse emissions caused by human activities, notably by burning fossil fuels for energy production and transport. Climate Change, Supply Chain Management and Enterprise Adaptation: Implications of Global Warming on the Economy aims to provide one among many diverse responses to a growing sense of urgency fed by climate change and experienced by international institutions, governments, local authorities, and enterprises. It provides an interdisciplinary treatment of issues raised by climate change in connection with its implications for society, environment and economy, particularly at the company and the supply chain levels.

This volume constitutes the proceedings of the combined 7th International Workshop on Trends in Enterprise Architecture Research (TEAR 2012) and the 5th Working Conference on Practice-Driven Research on Enterprise Transformation (PRET-5), held in Barcelona, Spain, October 23-24, 2012, and co-located with The Open Group's Conference on Enterprise Architecture, Cloud Computing, and Security. Joining the forces of the two events with The Open Group Conference provided the unique opportunity for an intensive exchange between practitioners as well as for discussions on standardization efforts and academic research in the areas of enterprise transformation and enterprise architecture (EA). Based on careful reviews by at least three Program Committee members, 18 papers were chosen for inclusion in these proceedings. They were presented in six sessions on enterprise architecture management (EAM) effectivity, languages for EA, EAM and the ability to change, advanced topics in EA, governing enterprise transformations, and EA applications.

SOA Source Book

Perspectives in Business Informatics Research

Coherency Management

Enterprise Architecture

How to Survive in the Jungle of Enterprise Architecture Frameworks
20th International Conference, BPMDS 2019, 24th International Conference, EMMSAD 2019, Held at CAiSE 2019, Rome, Italy, June 3–4, 2019, Proceedings
ECEG2011
Implications of Global Warming on the Economy
Manufacturing and operations management paradigms are evolving toward more open and resilient spaces where innovation is driven not only by ever-changing customer needs but also by agile and fast-reacting networked structures. Flexibility, adaptability and responsiveness are properties that the next generation of systems must have in order to successfully support such new emerging trends. Customers are being attracted to be involved in Co-innovation Networks, as - proved responsiveness and agility is expected from industry ecosystems. Renewed production systems needs to be modeled, engineered and deployed in order to achieve cost-effective solutions. BASYS conferences have been developed and organized as a forum in which to share visions and research findings for innovative sustainable and knowledge-based products-services and manufacturing models. Thus, the focus of BASYS is to discuss how human actors, emergent technologies and even organizations are integrated in order to redefine the way in which the val- creation process must be conceived and realized. BASYS 2010, which was held in Valencia, Spain, proposed new approaches in automation where synergies between people, systems and organizations need to be fully exploited in order to create high added-value products and services. This book contains the selection of the papers which were accepted for presentation at the BASYS 2010 conference, covering consolidated and emerging topics of the conference scope.
Increasingly, information technology governance is being considered an integral part of corporate governance. There has been a rapid increase in awareness and adoption of IT governance as well as the desire to conform to national governance requirements to ensure that IT is aligned with the objectives of the organization. Information Technology Governance and Service Management: Frameworks and Adaptations provides an in-depth view into the critical contribution of IT service management to IT governance, and the strategic and tactical value provided by effective service management. A must-have resource for academics, students, and practitioners in fields affected by IT in organizations, this work gathers authoritative perspectives on the state of research on organizational challenges and benefits in current IT governance frameworks, adoption, and incorporation.

Globalization, increased economic and geopolitical uncertainty, technological advancements, and a rise in the number of regulations and legislations have led to a significant rise in the importance, volume, and complexity of modern contractual agreements. Yet, in spite of these profound changes, many organizations still manage the contracting process in a fragmented, manual, and ad-hoc manner, resulting in poor contract visibility, ineffective monitoring and management of contract compliance, and inadequate analysis of contract performance. The net effect of this has been a heightened interest in re-engineering and automation of Enterprise Contract Management (ECM) processes across industry sectors and geographies. Enterprise Contract Management: A Practical Guide to Successfully Implementing an ECM Solution addresses all the questions surrounding ECM, ECM solutions, and the project management, change management, and risk management considerations to ensure its successful implementation. This concise text will help your organization manage the challenges of the contract life cycle and the key success factors and pitfalls in a typical ECM solution. It is a must read for corporate executives, buyers, procurement and strategic sourcing specialists, contract administrators and procurement managers. There is currently no other book available on ECM solutions. All existing books on contract management focus on the legal aspects of contracts, but none describe the functions, features, capabilities of technology solutions that support ECM, nor do they explain the key considerations for ensuring a successful ECM solution implementation.
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.
9th IFIP WG 5.5 International Conference, BASYS 2010, Valencia, Spain, July 21-23, 2010, Proceedings
Business Process Modeling
The SIM Guide to Enterprise Architecture
Balanced Automation Systems for Future Manufacturing Networks

Issues, Applications and Case Studies

CAiSE 2012 International Workshops, Gda?sk, Poland, June 25-26, 2012, Proceedings

Enterprise & Business Management

Proceedings of Seventh International Congress on Information and Communication Technology

This book gathers selected high-quality research papers presented at the Seventh International Congress on Information and Communication Technology, held at Brunel University, London, on February 21–24, 2022. It discusses emerging topics pertaining to information and communication technology (ICT) for managerial applications, e-governance, e-agriculture, e-education and computing technologies, the Internet of Things (IoT) and e-mining. Written by respected experts and researchers working on ICT, the book offers a valuable asset for young researchers involved in advanced studies. The work is presented in four volumes.

This book provides the reader with the cognitive keys and practical guidelines to manage acquisitive growth in the digital era. It takes a distinct managerial perspective on acquisitions, with a relentless focus on how Enterprise Architecture (EA) relates to value creation. The book builds upon an extensive fundament of rigorous research, first-hand experiences from using Enterprise Architecture to catalyze acquisitions in several Fortune 500 companies, and a wide pool of case examples from leading firms in the US, Europe and Australia. The book is divided into three parts. Part I addresses the fundament for the book by decomposing the problem of acquisitive growth and explaining how advance in EA practices have created the potential for mitigating the challenges. Part II then details how an advanced EA capability can contribute to the different phases of an acquisition process. Lastly, Part III provides hands-on guidance on how to implement EA in the acquisition process and concludes with a summary and personal advice from the authors as notes on the journey ahead. Overall, this book explains how Enterprise Architecture can be used to unlock the value potential in acquisitions without bringing the need for a major organizational restructure. It provides managers, EA professionals, and MBA students with the cognitive keys to characterize the problems and to craft and implement effective solutions.

This book includes a number of selected papers from the PRO-VE '07 Conference, providing a comprehensive overview of recent advances in various Collaborative Networks domains. It covers trust aspects, performance and value systems, VO breeding environments, VO creation, e-contracting, collaborative architectures and frameworks, professional virtual communities, interoperability issues, business benefits, and case studies and applications in industry and services.

This book is positioned as a rst in a series of books on enterprise architecture needed for a Master of Enterprise Architecture program, and is targeted both at university students and practitioners with a drive to increase their understanding of these elds. As an introductory book, this book aims to explore the concept of enterprise architecture. At

rst glance, writing such an introductory book might seem as a straight forward task of setting up a structure and lling in "the blanks. " However, writing this book turned out to be a pleasant journey of discovery. Based on our past experiences, each of us had a clear understanding of enterprise architecture, based on several years of experience and insight in the eld. However, when we started writing this book, and each of us exposed our individual understandings, it became apparent that our understanding of the eld differed in several ways. This prompted several discussions leading to an abundance of new insights. Without exception, thesediscussionstookplaceina pleasantandopenatmosphere,fueledbyourshared driveforunderstandingandincreasedinsight.

Wearenowevenmoreconvincedthan before, that the eld enterprise architecture is a true multi-disciplinary profession. In the resulting book, we would like to share our insights, while also hoping to continue our discussions, now also involving you as a reader. We also realise that the journey is still far from complete. While this introductory book provides an overview of the eld of enterprise architecture from the perspective of our insights, many aspects need further re nement.

Enterprise Integration and Information Architecture

7th Workshop, TEAR 2012, and 5th Working Conference, PRET 2012, Held at The Open Group Conference 2012, Barcelona, Spain, October 23-24, 2012, Proceedings

Foundations & Principles of Distributed Manufacturing

Enterprise, Business-Process and Information Systems Modeling

Frameworks, Business Process Modeling, SOA, and Infrastructure Technology

Enterprise Contract Management

14th International Conference, SPICE 2014, Vilnius, Lithuania, November 4-6, 2014. Proceedings

Establishing the Foundation of Collaborative Networks

Interoperability of enterprises is one of the main requirements for economical and industrial collaborative networks. Enterprise interoperability (EI) is based on the three domains: architectures and platforms, ontologies and enterprise modeling. This book presents the EI vision of the "Grand Sud-Ouest" pole (PGSO) of the European International Virtual Laboratory for Enterprise Interoperability (INTEROP-VLab). It includes the limitations, concerns and approaches of EI, as well as a proposed framework which aims to define and delimit the concept of an EI domain. The authors present the basic concepts and principles of decisional interoperability as well as concept and techniques for interoperability measurement. The use of these previous concepts in a healthcare ecosystem and in an extended administration is also presented.

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.

This book constitutes the refereed proceedings of the 14th International Conference on Software Process Improvement and Capability Determination, SPICE 2014, held in Vilnius, Lithuania, in November 2014. The 21 revised full papers presented together with 6 short papers were carefully reviewed and selected from 49 submissions. The papers are organized in topical sections on developing process models for assessment; software process and models; software models and product lines; assessment; agile processes; processes improvement and VSE.

Business Process Modeling (BPM) in systems engineering and hardware engineering is the activity of representing processes of an enterprise, so that the current process may be analyzed and improved. BPM is typically performed by business analysts and managers who are seeking to improve process efficiency and quality. The process improvements identified by BPM may or may not require Information Technology involvement, although that is a common driver for the need to model a business process, by creating a process master. This book is your ultimate resource for Business Process Modeling. Here you will find the most up-to-date information, analysis, background and everything you need to know. In easy to read chapters, with extensive references and links to get you to know all there is to know about Business Process Modeling right away, covering: Business process modeling, Systems engineering, Computer engineering, Process modeling, Information technology, Change management, Flowchart, Functional flow block diagram, Control flow diagram, Gantt chart, Program Evaluation and Review Technique, IDEF, Unified Modeling Language, Business Process Modeling Notation, Business process, Business process reengineering, Business process management, Integrated business planning, Software engineering, Software development process, Software development, Object-oriented programming, Business model, Value chain, Task (project management), Corporate governance, Strategic management, Core business, Purchasing, Manufacturing, Marketing, Sales, Accountancy, Recruitment, Technical support, Scientific modelling, Workflow, Artifact-centric business process model, Use case diagram, Ivar Jacobson, Activity diagram, G.M. Nijssen, XBML, Event-

driven process chain, IDEF0, Business Process Execution Language, WS-CDL, XPDL, Architecture of Integrated Information Systems, JBPM, Model-driven architecture, Service-oriented architecture, Business reference model, Function model, Organizational chart, Data model, Business analysis, Business efficiency, Business architecture, Business Model Canvas, Business plan, Business process illustration, Business process mapping, Capability Maturity Model Integration, Extended Enterprise Modeling Language, Generalised Enterprise Reference Architecture and Methodology, Model-driven engineering This book explains in-depth the real drivers and workings of Business Process Modeling. It reduces the risk of your technology, time and resources investment decisions by enabling you to compare your understanding of Business Process Modeling with the objectivity of experienced professionals.

The IT Leadership Pyramid

Elements of Manufacturing Networks, Cyber-Physical Production Systems and Smart Automation

Information Technology for Management: New Ideas and Real Solutions

A Systems Perspective on Industrial Information Integration

Creating Value by Informed Governance

Exploiting the Knowledge Economy

Collaborative Enterprise Architecture

Handbook on Enterprise Architecture

While many advances have been made in understanding the complexity of manufacturing and production engineering, the social and organizational context remains problematic due to the abstract nature of leadership and diverse personnel. Interdisciplinary perspectives to increase knowledge and understanding of engineering management and related processes are necessary in the industry. Enhancing Competitive Advantage With Dynamic Management and Engineering is an essential reference source containing scholarly research on the relevant theoretical frameworks and the latest empirical research findings of strategic administration in engineering. It also explores how to better merge, interrelationship organizations, management, and employee needs in order to increase efficiency, productivity, and profitability. Featuring coverage on a broad range of topics such as business process orientation, diversity management, and enterprise architecture, this book provides vital research for managers, researchers, engineers, and other professionals within engineering and production management.

Presents current developments, issues, and trends in enterprise architecture (EA). Provides insights into the impact of effective EA on IT governance, IT portfolio management, and IT outsourcing.

Software services are established as a programming concept, but their impact on the overall architecture of enterprise IT and business operations is not well-understood. This has led to problems in deploying SOA, and some disillusionment. The SOA Source Book adds to this a collection of reference material for SOA. It is an invaluable resource for enterprise architects working with SOA.The SOA Source Book will help enterprise architects to use SOA effectively. It explains: What SOA is How

to evaluate SOA features in business terms How to model SOA How to use The Open Group Architecture Framework (TOGAF™) for SOA SOA governance This book explains how TOGAF can help to make an Enterprise Architecture. Enterprise Architecture is an approach that can help management to understand this growing complexity.

Enterprise solutions have emerged as promising tools for integrating and extending business processes across business functions. Supplying a clear and comprehensive introduction to the field, this book provides a detailed description of enterprise information integration—from the development of enterprise systems to extended enterprise information integration in supply chain environments. Enterprise Integration and Information Architecture: A Systems Perspective on Industrial Information Integration explains how to improve industrial information integration through the application of a systems approach. Describing how systems science is impacting current research in industrial information integration, it covers enterprise architecture, information architecture for enterprises, business process/work flow modeling, and enterprise information integration. Covering the emergence, growth, and extension of integrated enterprise systems, the book provides you with various perspectives of modern enterprise solutions. It introduces the critical concepts of ERP, industry-oriented enterprise resource planning, and entire resource planning. It also provides guidance on how to transition from extended enterprise integration in a supply chain environment to systems-based enterprise architecture, enterprise modeling, and enterprise modeling in a supply chain environment. The book proposes a new information architecture for enterprise and supply chain management. It presents modeling and integration information flows for enterprise information integration, together with the Internet of Things (IoT). It also explores the theory and methods of industrial information integration including integration approaches and enterprise application integration. Complete with numerous examples of extended enterprise integration in actual supply chain environments, the book illustrates the critical issues that arise in professional practice and also explores emerging trends in enterprise integration and its information architecture

Evaluation and Continuous Improvement

ECEG2011-Proceedings of the 11th European Conference on EGovernment

A Practical Guide to Successfully Implementing an ECM Solution

Information Technology Governance and Service Management: Frameworks and Adaptations

A Systemic Perspective to Managing Complexity with Enterprise Architecture

Governance of the Extended Enterprise

Creating Or Choosing an Enterprise Architecture Framework

Organizations have always been dependent on communication, information, technology, and their management. The development of information technology has sped up the importance of business informatics, which is an emerging discipline combining various aspect informatics, information technology, and business management. Understanding the impact of information on today's organizations req technological and managerial views, which are both offered by business informatics. Business management is not only about generat greater returns and using new technologies for developing businesses to reach future goals. Business management also means gener better revenue performance if plans are diligently followed. It is part of business management to have an ear to the ground of global economic trends, changing environmental conditions and preferences, as well as the behavior of value chain partners. While, until nov

business management and business informatics are mostly treated as independent fields, this publication takes an interest in the coo of the two. Its contributions focus on both research areas and practical approaches, in turn showing novelties in the area of enterpr business management. Among the other topics covered in this book are strategic management, contact relationship management, cor social responsibility, corporate blogging, enterprise resource planning, E-business management, E-learning, balanced scorecarding, logis operations research, enterprise and software architectures, and social software systems. This book adopts an international view, cor theory and practice, and is authored for researchers and lecturers as well as consultants and practitioners.

An enterprise architecture (EA) is a rigorous description of the structure of an enterprise, which comprises enterprise components (entities), the externally visible properties of those components, and the relationships (e.g. the behavior) between them. EA describes terminology, the composition of enterprise components, and their relationships with the external environment, and the guiding princi the requirement (analysis), design, and evolution of an enterprise. This description is comprehensive, including enterprise goals, busine process, roles, organizational structures, organizational behaviors, business information, software applications and computer systems Practitioners of EA call themselves ""enterprise architects."" An enterprise architect is a person responsible for developing the enterp architecture and is often called upon to draw conclusions from it. By producing an enterprise architecture, architects are providing a identifying opportunities to improve the enterprise, in a manner that more effectively and efficiently pursues its purpose. This book is ultimate resource for Enterprise Architecture. Here you will find the most up-to-date information, analysis, background and everythin need to know. In easy to read chapters, with extensive references and links to get you to know all there is to know about Enterprise Architecture right away, covering: Enterprise architecture, AGATE (architecture framework), Applications architecture, ArchiMate, Arc domain, Architecture of Integrated Information Systems, Architecture Tradeoff Analysis Method, ARID, Andy Blumenthal, Enterprise Architecture Body of Knowledge, Business architecture, Business Architecture - Building Blocks, Canonical Model, CIMOSA, CLEAR Framework for Enterprise Architecture, Clinger-Cohen Act, Confirmit, Contract management, Core Architecture Data Model, Data architecture, Department of Defense Architecture Framework, Dynamic enterprise, Enterprise architect, Enterprise Architecture Asse Framework, Enterprise Architecture framework, Enterprise Architecture Management, Enterprise architecture planning, Enterprise Collaboration Architecture, Enterprise content management, Enterprise engineering, Enterprise feedback management, Enterprise information management, Enterprise information security architecture, Enterprise Information System, Enterprise integration, Enterpr cycle, Enterprise Output Management, Enterprise software, Enterprise system, Extended Enterprise, FDIC Enterprise Architecture Framework, Federal Enterprise Architecture, Federated Architecture, Functional Software Architecture, GNU Enterprise, Government Enterprise Architecture, Habanero.NET, Information architecture, Information Framework, INgage Networks, Integrated Architecture Framework, Interactive architecture, IServer, Macroscope (methodology suite), MIKE2.O Methodology, Mobile enterprise application p Mobile Enterprise Asset Management, MODAF, MODAF Meta-Model, NATO Architecture Framework, NIST Enterprise Architecture Mod OBASHI, The Open Group Architecture Framework, Operating model, Operational View, Orbus Software, POLDAT, Praxeme, Ptech, Reference architecture, RM-ODP, SAP Enterprise Architecture Framework, Sherwood Applied Business Security Architecture, Solutions Architect, Syclo, System Architect (software), TAFIM, Technical architecture, Technology stack, ThoughtWorks, TRAK, Treasury Enterpr Architecture Framework, Treasury Information System Architecture Framework, Tryton, UPDM, View model, Zachman Framework This explains in-depth the real drivers and workings of Enterprise Architecture. It reduces the risk of your technology, time and resources

investment decisions by enabling you to compare your understanding of Enterprise Architecture with the objectivity of experienced professionals.

Driven by the need and desire to reduce costs, organizations are faced with a set of decisions that require analytical scrutiny. Enter Architecture A to Z: Frameworks, Business Process Modeling, SOA, and Infrastructure Technology examines cost-saving trends in architecture planning, administration, and management. To establish a framework for discussion, this book begins by evaluating the r Enterprise Architecture Planning and Service-Oriented Architecture (SOA) modeling. It provides an extensive review of the most widel deployed architecture framework models. In particular, the book discusses The Open Group Architecture Framework (TOGAF) and the Zachman Architectural Framework (ZAF) in detail, as well as formal architecture standards and all four layers of these models: the bu architecture, the information architecture, the solution architecture, and the technology architecture. The first part of the text focu upper layers of the architecture framework, while the second part focuses on the technology architecture. In this second section, th presents an assessment of storage technologies and networking and addresses regulatory and security issues. Additional coverage i high-speed communication mechanisms such as Ethernet, WAN and Internet communication technologies, broadband communications chargeback models. Daniel Minoli has written a number of columns and books on the high-tech industry and has many years of techn hands-on and managerial experience at top financial companies and telecom/networking providers. He brings a wealth of knowledge practical experience to these pages. By reviewing the strategies in this book, CIOs, CTOs, and senior managers are empowered by a s progressive approaches to designing state-of-the-art IT data centers.

The book presents a coherent description of distributed manufacturing, providing a solid base for further research on the subject as smart implementations in companies. It provides a guide for those researching and working in a range of fields, such as smart manuf cloud computing, RFID tracking, distributed automation, cyber physical production and global design anywhere, manufacture anywhere solutions. Foundations & Principles of Distributed Manufacturing anticipates future advances in the fields of embedded systems, the of Things and cyber physical systems, outlining how adopting these innovations could rapidly bring about improvements in key perfor indicators, which could in turn generate competition pressure by rendering successful business models obsolete. In laying the ground powerful theoretical models, high standards for the homogeneity and soundness of the suggested setups are applied. The book espec elaborates on the upcoming competition in online manufacturing operations and respective control procedures. By outlining encapsula and evolving decision-making principles, Foundations & Principles of Distributed Manufacturing fully conceptualizes the view of manufacturing networks as sets of loosely coupled interacting smart factory objects. Moreover, the book provides concrete approac number of future fields, where distributed manufacturing might be applied. Both researchers and professionals will profit from the au broad experience in Distributed Manufacturing and Fractal Enterprise implementations, where they initiated and completed a number successful research projects: within the global Intelligent Manufacturing Systems (IMS) scheme, within the European Research Area frameworks as well as national contexts, and both in industry and at leading research institutions. This background ensures well-fou theory on one hand and valuable practical results on the other in a fascinating area that is still under intensive research. Readers wil essential insights as well as useful guidance for categorizing and specifying extended distributed manufacturing solutions and their professional implementations.

IFIP TC 5 Working Group 5.5 Eighth IFIP Working Conference on Virtual Enterprises September 10-12, 2007, Guimarães, Portugal

Enterprise Interoperability III
Fundamentals of Enterprise Architecture Management
New Challenges and Industrial Approaches
Advances in Government Enterprise Architecture
How to Exploit Enterprise Architecture to Enable Corporate Acquisitions
A Handbook for Educators, Consulters and Practitioners
Architecting Growth in the Digital Era

This book constitutes revised selected papers from the 14th Conference on Advanced Information Technologies for Management, AITM 2016, and the 11th Conference on Information Systems Management, ISM 2016, held as part of the Federated Conference on Computer Science and Information Systems, FedCSIS, which took place in Gdansk, Poland, in September 2016. The 13 papers presented in this volume were carefully reviewed and selected from 51 submissions. They were organized in topical sections named: information technology and systems for knowledge management; information technology and systems for business transformation; and implementation and evaluation of information systems.

Discover how to implement an effective IT governance structure forthe long-term success of an extended enterprise IT is no longer an enabler of corporate strategy, it is now the keyelement of corporate strategy. Governance of the ExtendedEnterprise explores how some of the world's most successfulenterprises have integrated information technology with businessstrategies, culture, and ethics to optimize information value,attain business objectives, and capitalize on technologies inhighly competitive environments. Providing a process for change and a governance model, Governanceof the Extended Enterprise encompasses the latest emergingpractices from major information and knowledge businesses,providing a major new knowledge resource for enterprises. It alsoopens up new avenues of practice in strategy setting, enterprisemanagement, control assessment, and risk management. From sales-force automation to workgroup collaboration, formsprocessing to knowledge management systems, customer service totechnical support, Governance of the Extended Enterprise will helpreaders improve IT governance in all facets of their organization.

The TOGAF® Standard, a standard of The Open Group, is a proven Enterprise Architecture methodology and framework used by the world's leading organizations to improve business efficiency. It is the most prominent and reliable Enterprise Architecture standard, ensuring consistent standards, methods, and communication among Enterprise Architecture professionals. Those professionals fluent in the TOGAF approach enjoy greater industry credibility, job effectiveness, and career opportunities. The TOGAF

approach helps practitioners avoid being locked into proprietary methods, utilize resources more efficiently and effectively, and realize a greater return on investment.

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 20th International Conference on Business Process Modeling, Development and Support, BPMDS 2019, and the 24th International Conference on Evaluation and Modeling Methods for Systems Analysis and Development, EMMSAD 2019. The conferences took place in Rome, Italy, in June 2019. The 7 full and 2 short papers accepted for BPMDS were carefully reviewed and selected from a total of 20 submissions; for EMMSAD 15 full papers were accepted from 38 submissions. The papers were organized in topical sections named as follows: BPMDS: large and complex business process modeling and development; execution and understandability of declarative process models; novel approaches in enterprise modeling; transformative business process modeling, development, and support. EMMSAD: foundations of modeling and method engineering; enterprise process and capability modeling; information systems and requirements modeling; domain-specific and ontology modeling; and evaluation of modeling approaches.

Trends in Enterprise Architecture Research and Practice-Driven Research on Enterprise Transformation

Software Process Improvement and Capability Determination

Enterprise Architecture A to Z

Frameworks and Adaptations

High-Impact Emerging Technology - What You Need to Know: Definitions, Adoptions, Impact, Benefits, Maturity, Vendors

INTEROP-PGSO Vision

Foundations for Steering the Enterprise-Wide Digital System

The TOGAF ® Standard, Version 9.2

How to Survive in the Jungle of Enterprise Architecture FrameworksCreating Or Choosing an Enterprise Architecture FrameworkTrafford Publishing

This book explores the domain of software maintenance management and provides road maps for improving software maintenance organizations. It describes full maintenance maturity models organized by levels 1, 2, and 3, which allow for benchmarking and continuous improvement paths. Goals for each key practice area are also provided, and the model presented is fully aligned with the architecture and framework of software development maturity models of CMMI and ISO 15504. It is complete with case studies, figures,

tables, and graphs.

This book constitutes the thoroughly refereed proceedings of eight international workshops held in Gdańsk, Poland, in conjunction with the 24th International Conference on Advanced Information Systems Engineering, CAiSE 2012, in June 2012. The 35 full and 17 short revised papers were carefully selected from 104 submissions. The eight workshops were Agility of Enterprise Systems (AgilES), Business/IT Alignment and Interoperability (BUSITAL), Enterprise and Organizational Modeling and Simulation (EOMAS), Governance, Risk and Compliance (GRCIS), Human-Centric Process-Aware Information Systems (HC-PAIS), System and Software Architectures (IWSSA), Ontology, Models, Conceptualization and Epistemology in Social, Artificial and Natural Systems (ONTOSE), and Information Systems Security Engineering (WISSE).

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.

Information Resources Management: Concepts, Methodologies, Tools and Applications

14th Conference, AITM 2016, and 11th Conference, ISM 2016, held as Part of FedCSIS, Gdansk, Poland, September 11-14, 2016, Revised Selected Papers

Software Maintenance Management

Architecting the Enterprise for Alignment, Agility and Assurance

Enriching EA with Lean, Agile, and Enterprise 2.0 Practices

The TOGAF® Standard, 10th Edition – Architecture Development Method

Bridging Business and IT Strategies

Concepts, Methodologies, Tools and Applications

"This work is a comprehensive, four-volume reference addressing major issues, trends, and areas for advancement in information management research, containing chapters investigating human factors in IT management, as well as IT governance, outsourcing, and diffusion"--Provided by publisher.

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.

This handbook is about methods, tools and examples of how to architect an enterprise through considering all life cycle aspects of Enterprise Entities. It is based on ISO15704:2000, or the GERAM Framework. A wide audience is addressed, as the handbook covers methods and tools necessary to design or redesign enterprises, as well as those necessary to structure the implementation into manageable projects.

This textbook provides a comprehensive, holistic, scientifically precise, and practically relevant description of Enterprise Architecture Management (EAM). Based on state-of-the-art concepts, it also addresses current trends like disruptive digitization or agile methods. The book is structured in five chapters. The first chapter offers a comprehensive overview of EAM. It addresses questions like: what does EAM mean, what is the history of EAM, why do enterprises need EAM, what are its goals, and how is it related to digitalization? It also includes a short overview of essential EAM standards and literature. The second chapter provides an overview of Enterprise Architecture (EA). It starts with clarifying basic terminology and the difference between EA and EAM. It also gives a short summary of existing EA frameworks and methods for structuring the digital ecosystem into layers and views. The third chapter addresses the strategic and tactical context of the EAM capability in an enterprise. It defines essential terms and parameters in the context of enterprise strategy and tactics as well as the operative, organizational context of EAM. The fourth chapter specifies the detailed goals, processes, functions, artifacts, roles and tools of EAM, building the basis for an EAM process framework that provides a comprehensive overview of EAM processes and functions. Closing the circle, the last chapter describes how to evaluate EAM in an enterprise. It starts by laying out core terminology, like "metric" and "strategic performance measurement system" and ends with a framework that integrates the various measuring areas in the context of EA and EAM. This textbook focuses on two groups: First, EAM scholars, ie bachelor or master students of Business Information Systems, Business Administration or Computer Science. And second, EAM practitioners working in the field of IT strategy or EA who need a reliable, scientifically solid, and practically proven state-of-the-art description of essential EAM methods.

Advanced Information Systems Engineering Workshops

ICICT 2022, London, Volume 2

12th International Conference, BIR 2013, Warsaw, Poland, September 23-25, 2013, Proceedings

High-Impact Strategies - What You Need to Know: Definitions, Adoptions, Impact, Benefits, Maturity,

Vendors
Climate Change, Supply Chain Management and Enterprise Adaptation: Implications of Global Warming on the Economy
Enhancing Competitive Advantage With Dynamic Management and Engineering
Enterprise Interoperability

This book constitutes a collection of selected contributions from the 12th International Conference on Perspectives in Business Informatics Research, BIR 2013, held in Warsaw, Poland, in September 2013. Overall, 54 submissions were rigorously reviewed by 41 members of the Program Committee representing 21 countries. As a result, 19 full and 5 short papers from 12 countries have been selected for publication in this volume. This book also includes the two keynotes by Witold Abramowicz and Bernhard Thalheim. The papers cover many aspects of business information research and have been organized in topical sections on: business process management; enterprise and knowledge architectures; organizations and information systems development; information systems and services; and applications.

This document is a compilation of three documents within the TOGAF® Standard. It has been developed and approved by The Open Group, and is part of the TOGAF Standard, 10th Edition. The three documents in this set are: • The TOGAF Standard — Architecture Development Method This document describes the TOGAF Architecture Development Method (ADM) — an iterative approach to developing an Enterprise Architecture. • The TOGAF Standard — ADM Techniques This document contains a collection of techniques available for use in applying the TOGAF approach and the TOGAF ADM. • The TOGAF Standard — Applying the ADM This document contains guidelines for adapting the TOGAF ADM to address the specific style of architecture required in a practical context. The TOGAF Standard is intended for Enterprise Architects, Business Architects, IT Architects, Data Architects, Systems Architects, Solution Architects, and anyone responsible for the architecture function within an organization.