The Art Of Enterprise Information Architecture A Systems Based Approach For Unlocking Business Insight

Securing against operational interruptions and the theft of your data is much too important to leave to chance. By planning for the worst, you can ensure your organization is prepared for the unexpected. Enterprise Architecture and Information Assurance: Developing a Secure Foundation explains how to design complex, highly available, and secure enterprise architectures that integrate the most critical aspects of your organization's business processes. Filled with time-tested guidance, the book describes how to document and map the security policies and procedures needed to ensure cost-effective organizational and system security controls across your entire enterprise. It also demonstrates how to evaluate your network and business model to determine if they fit well together. The book's comprehensive coverage includes: Infrastructure security model components Systems security categorization Business impact analysis Risk management and mitigation Security configuration management Contingency planning Physical security The certification and accreditation

process Facilitating the understanding you need to reduce and even mitigate security liabilities, the book provides sample rules of engagement, lists of NIST and FIPS references, and a sample certification statement. Coverage includes network and application vulnerability assessments, intrusion detection, penetration testing, incident response planning, risk mitigation audits/reviews, and business continuity and disaster recovery planning. Reading this book will give you the reasoning behind why security is foremost. By following the procedures it outlines, you will gain an understanding of your infrastructure and what requires further attention.

This important text provides a single point of reference for state-of-the-art cloud computing design and implementation techniques. The book examines cloud computing from the perspective of enterprise architecture, asking the question; how do we realize new business potential with our existing enterprises? Topics and features: with a Foreword by Thomas Erl; contains contributions from an international selection of preeminent experts; presents the state-of-the-art in enterprise architecture approaches with respect to cloud computing models, frameworks, technologies, and applications; discusses potential research directions, and technologies to facilitate the realization of emerging business models through enterprise architecture approaches; provides relevant theoretical

frameworks, and the latest empirical research findings.

For many years now Enterprise Information Systems have been critical in helping businesses successfully navigate the global market. The development that started with design and implementation of integrated systems has evolved to incorporate a multitude of perspectives and ideas. The Enterprise Information Systems functionality extends from principally an ERP (Enterprise Resource Planning) system to a portfolio of standard systems including CRM (Customer Relationship Management) systems and SCM (Supply Chain Management) systems. Advances in Enterprise Information Systems II is divided into seven thematic sections, each exploring a distinct topic. In "Concepts in Enterprise Information Systems" the authors present new concepts and ideas for the field. "Cases in Enterprise Information Systems" introduces studies of enterprise information systems in an organizational context. "Business Process Management" is one of the major themes within enterprise information systems and "Designing Enterprise Information Systems" discusses new approaches to the design of processes and system and also deals with how design can be taken as a specific perspective. "Enterprise Information Systems in various domains" features generic studies that contribute to advancing the practical knowledge of the field as well as towards "Global issues of Enterprise Information

Systems". Finally, in "Emerging Topics in Enterprise Information Systems", new technologies and ideas are explored. Cloud computing in particular seems to be setting the agenda for future research in enterprise information systems. The book will be invaluable to academics and professionals interested in recent developments in the field of enterprise information systems.

Enterprise Information Systems: A Pattern Based Approach, 3e, by Dunn/Cherrington/Hollander presents a pattern-based approach to designing enterprise information systems with a particular emphasis on the enterprise-wide database. This edition is built on the idea that a separation between accounting information systems and management information systems should not exist. We believe patterns help people see the "big picture" of enterprises more clearly and therefore help design better systems. We believe you cannot identify anything that we need to account for that we do not also need to manage; nor can we identify anything we need to manage that we do not also need to account for. In this edition, we will show how a well-designed REA-based Accounting Information System is the Enterprise Information System.

Designed for Digital

A Systems-Based Approach for Unlocking Business Insight, Portable Documents

Enterprise Information Portals and Knowledge Management

Historical Perspectives on the Organization of Enterprise

15h International Conference, ICEIS 2013, Angers, France, July 4-7, 2013, Revised Selected Papers

Enterprise Information Systems for Business Integration in SMEs: Technological, Organizational, and Social Dimensions

Cloud Computing for Enterprise Architectures

In this book, noted expert Melissa A. Cook shows you how to put business management back in charge of processes and information, using easy-to-understand principles that have worked since antiquity. Whether you are an executive manager or a technical professional, you can use these principles to integrate the enterprise with information systems that are more flexible, less complex, less expensive, and fully supportive of your business process reengineering efforts. Building Enterprise Information Architecture is, in short, field guide for taking control of information technology and making it serve your bidding - instead of the other way round.

This volume constitutes the refereed proceedings of the International Conference on Digital Enterprise and Information Systems, held in London during July 20 - 22, 2011. The 70 revised full papers presented were carefully reviewed and selected. They are organized in topical sections on cryptography and data protection, embedded systems and

software, information technology management, e-business applications and software, critical computing and storage, distributed and parallel applications, digital management products, image processing, digital enterprises, XML-based languages, digital libraries, and data mining. 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 The Comprehensive, Proven Approach to IT Scalability–Updated with New Strategies, Technologies, and Case Studies In The Art of Scalability, Second Edition, leading scalability consultants Martin L. Abbott and Michael T. Fisher cover everything you need to know to smoothly scale products and services for any requirement. This extensively revised edition reflects new technologies, strategies, and lessons, as well as new case studies from the authors' pioneering consulting practice, AKF Partners. Writing for technical and nontechnical decision-makers, Abbott and Fisher cover everything that impacts scalability, including architecture, process, people, organization, and technology. Their insights and recommendations reflect more than thirty years of experience at companies ranging from eBay to Visa, and Salesforce.com to Apple. You'll find updated strategies for structuring organizations to

maximize agility and scalability, as well as new insights into the cloud (IaaS/PaaS) transition, NoSQL, DevOps, business metrics, and more. Using this guide's tools and advice, you can systematically clear away obstacles to scalability–and achieve unprecedented IT and business performance. Coverage includes • Why scalability problems start with organizations and people, not technology, and what to do about it • Actionable lessons from real successes and failures • Staffing, structuring, and leading the agile, scalable organization • Scaling processes for hyper-growth environments • Architecting scalability: proprietary models for clarifying needs and making choices–including 15 key success principles • Emerging technologies and challenges: data cost, datacenter planning, cloud evolution, and customer-aligned monitoring • Measuring availability, capacity, load, and performance Technological, Organizational, and Social Dimensions
Architecting the Future Enterprise
A Guide to Understanding Information as an Asset
A Systems-based Approach for Unlocking Business Insight
The Art of Scalability
Advances in Enterprise Information Systems II
Demystifying AI for the Enterprise
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Many senior executives talk about information as one of their most
important assets, but few behave as if it is. They report to the board
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on the health of their workforce, their financials, their customers, and their partnerships, but rarely the health of their information assets. Corporations typically exhibit greater discipline in tracking and accounting for their office furniture than their data. Infonomics is the theory, study, and discipline of asserting economic significance to information. It strives to apply both economic and asset management principles and practices to the valuation, handling, and deployment of information assets. This book specifically shows: CEOs and business leaders how to more fully wield information as a corporate asset CIOs how to improve the flow and accessibility of information CFOs how to help their organizations measure the actual and latent value in their information assets. More directly, this book is for the burgeoning force of chief data officers (CDOs) and other information and analytics leaders in their valiant struggle to help their organizations become more infosavvy. Author Douglas Laney has spent years researching and developing Infonomics and advising organizations on the infinite opportunities to monetize, manage, and measure information. This book delivers a set of new ideas, frameworks, evidence, and even approaches adapted from other disciplines on how to administer, wield, and understand the value of information. Infonomics can help organizations not only to better develop, sell, and market their offerings, but to transform their

organizations altogether. "Doug Laney masterfully weaves together a collection of great examples with a solid framework to guide readers on how to gain competitive advantage through what he labels "the unruly asset" – data. The framework is comprehensive, the advice practical and the success stories global and across industries and applications." Liz Rowe, Chief Data Officer, State of New Jersey "A must read for anybody who wants to survive in a data centric world." Shaun Adams, Head of Data Science, Betterbathrooms.com "Phenomenal! An absolute must read for data practitioners, business leaders and technology strategists. Doug's lucid style has a set a new standard in providing intelligible material in the field of information economics. His passion and knowledge on the subject exudes thru his literature and inspires individuals like me." Ruchi Rajasekhar, Principal Data Architect, MISO Energy "I highly recommend Infonomics to all aspiring analytics leaders. Doug Laney's work gives readers a deeper understanding of how and why information should be monetized and managed as an enterprise asset. Laney's assertion that accounting should recognize information as a capital asset is quite convincing and one I agree with. Infonomics enjoyably echoes that sentiment!" Matt Green, independent business analytics consultant, Atlanta area "If you care about the digital economy, and you should, read this book." Tanya Shuckhart, Analyst Relations Lead, IRI Worldwide

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. This book analyzes various aspects of enterprise information systems (EIS), including enterprise resource planning, customer relationship management, supply chain management systems, and business process reengineering. It describes the evolution and functions of these systems, focusing on issues related to their implementation and upgrading. Enhanced with pedagogical features, the book can be read by graduate and undergraduate students, as well as senior management and executives involved in the study and evaluation of EIS. Making Enterprise Information Management (EIM) Work for Business: A Guide to Understanding Information as an Asset provides a comprehensive discussion of EIM. It endeavors to explain information

asset management and place it into a pragmatic, focused, and relevant light. The book is organized into two parts. Part 1 provides the material required to sell, understand, and validate the EIM program. It explains concepts such as treating Information, Data, and Content as true assets; information management maturity; and how EIM affects organizations. It also reviews the basic process that builds and maintains an EIM program, including two case studies that provide a birds-eye view of the products of the EIM program. Part 2 deals with the methods and artifacts necessary to maintain EIM and have the business manage information. Along with overviews of Information Asset concepts and the EIM process, it discusses how to initiate an EIM program and the necessary building blocks to manage the changes to managed data and content. Organizes information modularly, so you can delve directly into the topics that you need to understand Based in reality with practical case studies and a focus on getting the job done, even when confronted with tight budgets, resistant stakeholders, and security and compliance issues Includes applicatory templates, examples, and advice for executing every step of an EIM program

The Data-Centric Revolution
Rapid Delivery Methods and Technologies
Entrepreneurship in Design
Contemporary Trends and Issues

How to Monetize, Manage, and Measure Information as an Asset for Competitive Advantage

Enterprise Architecture Function

Enterprise Master Data Management (Paperback)

There are several well-ingrained assumptions regarding the dynamics of work and business activities, which can be refuted. Some examples of these widespread assumptions in the business and work environments are: employees being viewed as commodities, competitors perceived as threats, companies' resources seen as limited, and customers perceived as scarce and difficult, etc. All which leads to the question, "Is there a way to perform business activities more humanely?" This book challenges the reader to change the way they perform in business situations and become more focused on the human aspects of business activities. The users of this knowledge and those affected by them will undergo a profound transformation in the way they perform business activities. They will benefit from gradually testing and implementing the guidelines conveyed in this book, both in the business environment and the workplace. When readers put these principles into practice, positive ripple effects are bound to affect other stakeholders of the organization they work for or own. This

book includes aspects related to mission and vision, passion, business mindset, organizational learning, improvement of business conversations, use of constructive criticism and improvement of relationships with the most relevant stakeholders (customers, suppliers, intermediaries, community, and employees, etc.). The book also includes a discussion of creativity and the innovation process, as well as other factors that create a healthy business environment. Extensive appendices include topics such as negotiation, marketing, use of social media and others.

This book presents an approach to enterprise architecture, which enables corporations to achieve their business objectives faster. Focusing on the governance of IT in the organization, it provides tangible tools, advice and strategies for implementing and designing the architectural process within a corporation that will make a major contribution in driving the business forward and achieve its goals.

Architecture for the Intelligent Enterprise: Powerful New Ways to Maximize the Real-time Value of Information Tomorrow's winning "Intelligent Enterprises" will bring together far more diverse sources of data, analyze it in more powerful ways, and deliver immediate insight to decision-makers throughout the organization. Today, however, most companies fail to apply

the information they already have, while struggling with the complexity and costs of their existing information environments. In this book, a team of IBM's leading information management experts guide you on a journey that will take you from where you are today toward becoming an "Intelligent Enterprise." Drawing on their extensive experience working with enterprise clients, the authors present a new, information-centric approach to architecture and powerful new models that will benefit any organization. Using these strategies and models, companies can systematically unlock the business value of information by delivering actionable, real-time information in context to enable better decision-making throughout the enterprise–from the "shop floor" to the "top floor." Coverage Includes Highlighting the importance of Dynamic Warehousing Defining your Enterprise Information Architecture from conceptual, logical, component, and operational views Using information architecture principles to integrate and rationalize your IT investments, from Cloud Computing to Information Service Lifecycle Management Applying enterprise Master Data Management (MDM) to bolster business functions, ranging from compliance and risk management to marketing and product management Implementing more effective business intelligence and

business performance optimization, governance, and security systems and processes Understanding "Information as a Service" and "Info 2.0," the information delivery side of Web 2.0

Discusses the main issues, challenges, opportunities, and trends related to the impact of IT on every part of organizational and inter-organizational environments.

Enterprise Architecture at Work

Big Data and The Internet of Things

An SOA Approach to Managing Core Information

Enterprise Information Architecture for A New Age

A Pattern-Based Approach

Infonomics

The Art of Enterprise Information Architecture

This book contains substantially extended and revised versions of the best papers from the 15th International Conference on Enterprise Information Systems, ICEIS 2013, held in Angers, France, in July 2013. The 29 full and two invited papers included in this volume were carefully reviewed and selected from 321 submissions. They reflect state-of-the-art research

focusing mainly on real-world applications and highlight the benefits of information systems and technology for industry and services, thus connecting academia with the world of real enterprises. The topics covered are: databases and information systems integration, artificial intelligence and decision support systems, information systems analysis and specification, software agents and Internet computing, human-computer interaction, and enterprise architecture.
Artificial intelligence (AI) in its various forms -- machine learning, chatbots, robots, agents, etc. -- is increasingly being seen as a core component of enterprise business workflow and information management systems. The current promise and hype around AI are being driven by software vendors, academic research projects, and startups. However, we posit that the greatest promise and potential for AI lies in the enterprise with its applications touching all organizational facets. With increasing business process and workflow maturity, coupled with recent trends in cloud computing, datafication, IoT, cybersecurity, and advanced analytics, there is an understanding that the challenges of tomorrow cannot be solely addressed by

today's people, processes, and products. There is still considerable mystery, hype, and fear about AI in today's world. A considerable amount of current discourse focuses on a dystopian future that could adversely affect humanity. Such opinions, with understandable fear of the unknown, don't consider the history of human innovation, the current state of business and technology, or the primarily augmentative nature of tomorrow's AI. This book demystifies AI for the enterprise. It takes readers from the basics (definitions, state-of-the-art, etc.) to a multi-industry journey, and concludes with expert advice on everything an organization must do to succeed. Along the way, we debunk myths, provide practical pointers, and include best practices with applicable vignettes. AI brings to enterprise the capabilities that promise new ways by which professionals can address both mundane and interesting challenges more efficiently, effectively, and collaboratively (with humans). The opportunity for tomorrow's enterprise is to augment existing teams and resources with the power of AI in order to gain competitive advantage, discover new business models, establish or optimize new revenues, and achieve better

customer and user satisfaction.

Architecture for the Intelligent Enterprise: Powerful New Ways to Maximize the Real-time Value of Information Tomorrow's winning "Intelligent Enterprises" will bring together far more diverse sources of data, analyze it in more powerful ways, and deliver immediate insight to decision-makers throughout the organization. Today, however, most companies fail to apply the information they already have, while struggling with the complexity and costs of their existing information environments. In this book, a team of IBM's leading information management experts guide you on a journey that will take you from where you are today toward becoming an "Intelligent Enterprise." Drawing on their extensive experience working with enterprise clients, the authors present a new, information-centric approach to architecture and powerful new models that will benefit any organization. Using these strategies and models, companies can systematically unlock the business value of information by delivering actionable, real-time information in context to enable better decision-making throughout the enterprise-from the "shop floor" to the "top floor." Coverage Includes Highlighting

the importance of Dynamic Warehousing Defining your Enterprise Information Architecture from conceptual, logical, component, and operational views Using information architecture principles to integrate and rationalize your IT investments, from Cloud Computing to Information Service Lifecycle Management Applying enterprise Master Data Management (MDM) to bolster business functions, ranging from compliance and risk management to marketing and product management Implementing more effective business intelligence and business performance optimization, governance, and security systems and processes Understanding "Information as a Service" and "Info 2.0," the information delivery side of Web 2.0.

The Only Complete Technical Primer for MDM Planners, Architects, and Implementers Companies moving toward flexible SOA architectures often face difficult information management and integration challenges. The master data they rely on is often stored and managed in ways that are redundant, inconsistent, inaccessible, non-standardized, and poorly governed. Using Master Data Management (MDM), organizations can regain control of their master data, improve corresponding business processes,

and maximize its value in SOA environments. Enterprise Master Data Management provides an authoritative, vendor-independent MDM technical reference for practitioners: architects, technical analysts, consultants, solution designers, and senior IT decisionmakers. Written by the IBM® data management innovators who are pioneering MDM, this book systematically introduces MDM's key concepts and technical themes, explains its business case, and illuminates how it interrelates with and enables SOA. Drawing on their experience with cutting-edge projects, the authors introduce MDM patterns, blueprints, solutions, and best practices published nowhere else--everything you need to establish a consistent, manageable set of master data, and use it for competitive advantage. Coverage includes How MDM and SOA complement each other Using the MDM Reference Architecture to position and design MDM solutions within an enterprise Assessing the value and risks to master data and applying the right security controls Using PIM-MDM and CDI-MDM Solution Blueprints to address industry-specific information management challenges Explaining MDM patterns as enablers to accelerate consistent MDM deployments Incorporating MDM solutions into existing IT

landscapes via MDM Integration Blueprints Leveraging master data as an enterprise asset--bringing people, processes, and technology together with MDM and data governance Best practices in MDM deployment, including data warehouse and SAP integration
Chess and the Art of Enterprise Architecture
Enterprise Integration and Information Architecture
How to Architect Your Business for Sustained Success
Building Enterprise Information Architectures
Trump: The Art of the Deal
Modelling, Communication and Analysis
The Art Of Enterprise Information Architecture: A Systems-Based Approach For Unlocking Business Insight

The enterprise architecture methods of enterprise engineering as described in this book enable business experts and IT experts together to identify reusable business activities, processes and integrated databases. Three main sections cover enterprise architecture for managers, methodology, and integration technologies.

Practical advice for redesigning "big, old" companies for digital success, with examples from Amazon, BNY Mellon, LEGO, Philips, USAA, and many other global organizations. Most established companies have deployed such digital technologies as the cloud, mobile apps, the internet of things, and artificial intelligence. But few

established companies are designed for digital. This book offers an essential guide for retooling organizations for digital success. In the digital economy, rapid pace of change in technology capabilities and customer desires means that business strategy must be fluid. As a result, the authors explain, business design has become a critical management responsibility. Effective business design enables a company to quickly pivot in response to new competitive threats and opportunities. Most leaders today, however, rely on organizational structure to implement strategy, unaware that structure inhibits, rather than enables, agility. In companies that are designed for digital, people, processes, data, and technology are synchronized to identify and deliver innovative customer solutions--and redefine strategy. Digital design, not strategy, is what separates winners from losers in the digital economy. Designed for Digital offers practical advice on digital transformation, with examples that include Amazon, BNY Mellon, DBS Bank, LEGO, Philips, Schneider Electric, USAA, and many other global organizations. Drawing on five years of research and in-depth case studies, the book is an essential guide for companies that want to disrupt rather than be disrupted in the new digital landscape.

Provides you with the tools that show you how to effectively manage your data. From SAP Data Services to various solutions like SAP Power Designer, this title helps you learn what the different solutions are and how they work together. It also offers detailed information on SAP's different EIM solutions to learn what they can do for you.

Mission driven—business as a vehicle for change. The current business-for-profit model rewards short-term thinking, narrow self-interest, and a social-and-environmental-costs-be-damned attitude. Non-profits, while more focused on the greater good, tend to be inherently resource-challenged and rely on increasingly scarce grants and donations to sustain their existence. Social enterprise is an exciting, blended model driven by the desire to create positive change through entrepreneurial activities. The Art of Social Enterprise is a practical guide which supplies everything you need to know about the mechanics of social entrepreneurship including: Startup – envisioning and manifesting intention Strategic planning – balancing social and monetary value Maintaining an even keel despite the inevitable challenges associated with being an entrepreneur. This valuable resource also provides an unparalleled legal perspective to help you take advantage of established legal organizational forms, recent statutory creations, contract hybrids, certification programs and more. Aimed at emerging as well as established social entrepreneurs, for-profit leaders who want to introduce an element of social responsibility into their companies, and non-profit organizations who want to increase their stability by generating income, The Art of Social Enterprise is the definitive guide to doing well while doing good.

International Conference, DEIS 2011, London, UK July 20 - 22, 2011, Proceedings
The Digital Enterprise
A Pattern Language for Planning, Design and Execution

Developing a Secure Foundation
A State of the Art Handbook, Volume 1
Dynamic Enterprise Architecture
The Art of Social Enterprise

Two experts in enterprise architecting lay out a holistic approach to creating a blueprint for future enterprise transformation. Every enterprise evolves continuously, driven by changing needs or new opportunities. Most often this happens gradually, with small adjustments to strategy, organization, processes, or infrastructure. But sometimes enterprises need to go beyond minor fixes and transform themselves, in response to a disruptive event or dramatically changing circumstances—a merger, for example, or a new competitor. In this book, enterprise architecting experts Deborah Nightingale and Donna Rhodes offer a framework for enterprise transformation. Successful transformation, they believe, starts with a holistic approach, taking into consideration all facets of the enterprise and its environment rather than focusing solely on one factor—information technology, for example, or organizational structure. This is architecting the future enterprise: creating a blueprint for what the enterprise will look like after the transformation. Nightingale and Rhodes introduce the ARIES (Architecting Innovative Enterprise Strategy) framework, including a ten enterprise element model and an architecting process model, and show how to apply it, from start to finish. They explain how to create a holistic vision for the future enterprise and how to generate concepts and alternative architectures; they describe techniques for evaluating possible architectures, tools for implementation planning, and strategies for communicating with stakeholders. Nightingale and Rhodes offer real-world examples throughout, drawing on their work at MIT, with an extensive case study of enterprise transformation at a medical

device manufacturer. An appendix offers two additional architecting projects. Seven Architecting Imperatives • Make architecting the initial activity in transformation. • Develop a comprehensive understanding of the enterprise landscape. • Understand what stakeholders value and how that may change in the future. • Use multiple perspectives to see the whole enterprise. • Create an architecting team suited to the transformation challenges. • Engage all levels of leadership in transformation. • Architect for the enterprise's changing world.

President Donald J. Trump lays out his professional and personal worldview in this classic work—a firsthand account of the rise of America's foremost deal-maker. "I like thinking big. I always have. To me it's very simple: If you're going to be thinking anyway, you might as well think big."—Donald J. Trump Here is Trump in action—how he runs his organization and how he runs his life—as he meets the people he needs to meet, chats with family and friends, clashes with enemies, and challenges conventional thinking. But even a maverick plays by rules, and Trump has formulated time-tested guidelines for success. He isolates the common elements in his greatest accomplishments; he shatters myths; he names names, spells out the zeros, and fully reveals the deal-maker's art. And throughout, Trump talks—really talks—about how he does it. Trump: The Art of the Deal is an unguarded look at the mind of a brilliant entrepreneur—the ultimate read for anyone interested in the man behind the spotlight. Praise for Trump: The Art of the Deal "Trump makes one believe for a moment in the American dream again."—The New York Times "Donald Trump is a deal maker. He is a deal maker the way lions are carnivores and water is wet."—Chicago Tribune "Fascinating . . . wholly absorbing . . . conveys Trump's larger-than-life demeanor so vibrantly that the reader's attention is instantly and fully claimed."—Boston Herald "A chatty, generous, chutzpa-filled autobiography."—New York Post

As outspoken in his day as Richard Dawkins or Christopher Hitchens are today, American freethinker

and author ROBERT GREEN INGERSOLL (1833-1899) was a notorious radical whose uncompromising views on religion and slavery (they were bad, in his opinion), women's suffrage (a good idea, he believed), and other contentious matters of his era made him a wildly popular orator and critic of 19th-century American culture and public life. As a speaker dedicated to expanding intellectual horizons and celebrating the value of skepticism, Ingersoll spoke frequently on such topics as atheism, freedom from the pressures of conformity, and the lives of philosophers who espoused such concepts. This collection of his most famous speeches includes the lectures: ["The Gods" (1872) ["Humboldt" (1869) ["Thomas Paine" (1870) ["Individuality" (1873) ["Heretics and Heresies" (1874)

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

architects in industry as well as for computer or management science students studying the field of enterprise architecture.

Digital Enterprise and Information Systems

How to Make It Work

How to Reshape Your Business for a Connected World

A Systemic Perspective to Managing Complexity with Enterprise Architecture

Enterprise Information Systems

Enterprise Architecture and Information Assurance

Business as if People Mattered

Shift from application-centric to data-centric to enable your organization to develop more efficient and successful Enterprise Information Systems. This book is the first part of a trilogy to follow Software Wasteland. In Software Wasteland, we detailed the current poor state of application software development. We offered some tactical advice for reducing some of the worse of the excess. This is the first book in the what to do instead trilogy. Even if the thought of data modeling makes you cringe, Dave McCombs latest book makes the case that it is a necessary exercise for the data-driven organization. The Data-Centric Revolution shows how to be data-driven in an extensible, flexible way that is baked-into organizational culture, rather than taking a typical project-by-project approach. The book is a fun, insightful and meaty read, well-illustrated, and with endless wonderful examples. Doug Laney, Principal, Data & Analytics Strategy, Caserta, and author of the best-seller, Infonomics: How to Monetize, Manage, and Measure Information for Competitive Advantage Dave McComb has laid out a roadmap to travel the exciting path towards

data centricity. Daves passion for semantic modeling is contagious and his expert advice will give you the motivation to rethink application development and the direction needed to deliver value in your organization with linked data. Nic Seyot, Executive Director, Information Management at a major investment bank. In his new book, Dave teaches us why most of the stack we"ve spent decades trying to maintain is just a big, unmanageable pile of duplicative, inflexible code. He shows us how to collapse the stack and blend the logic and data each business needs to thrive, in one contextually rich, machine readable, dynamic, smart data layer. The bloated app and process layers of the stack go away, leaving a thin execution layer calling on the power of the smart data underneath. After Software Wasteland explained the problem, The Data-Centric Revolution articulates the solution. Alan Morrison, Sr. Research Fellow, New Services and Emerging Tech, PwC. From the age of punched cards to todays internet-driven systems, one thing has stayed fairly constant: software vendors and their implementers have been driving the Enterprise IT industry. This is changing. It will be hard to see initially, but its already happening in some more prescient organizations. As organizations realize they can take control of their own destiny by adopting data-centric principles, they will see their dependency on application software wither. The cost of running internal information systems will drop at least ten-fold, and the cost of integrating them will drop even more rapidly. This will decimate the $400 billion/ year application software industry and the $400 billion/year systems integration industry. The benefit will accrue to the buyers, and will accrue earliest to the first movers. The trajectory of this book is as follows: Chapters 1 through 3 lay the data-centric foundation. Chapter 1 introduces the data-centric movement and the prerequisites that

must be in place for success (including roles and responsibilities). Chapter 2 defines data-centric and explores a data-centric vision and approaches. Chapter 3 covers the management requirements in achieving a data-centric paradigm shift and reveals the new modeling discipline and delivery architecture. Chapters 4 through 6 explain the data-centric approach and its rewards. Chapter 4 summarizes why the data-centric approach will save incredible amounts of time and money. Chapter 5 explores various data centric approaches, and the underlying themes of flexibility and simplicity. Chapter 6 broadens the discussion of paradigm shifts and also discusses who will help you lead this data-centric approach. Chapters 7 through 10 discuss case studies and ways of organizing data. Chapters 7 and 10 discuss several case studies that have taken the data-centric approach. Chapter 8 explains linked data and semantic technologies, and Chapter 9 ontologies and knowledge graphs. Chapters 11 through 13 dig deeper into the pitfalls of the application-centric mindset and the benefits of the data-centric mindset. Chapter 11 gets to the root of the application-centric mindset: application software. Chapter 12 reveals the benefits of code reduction and Chapter 13 the benefits of the model-driven approach. Chapters 14 through 18 explain how to implement the data-centric paradigm. Chapter 14 explains how new technologies fit in with the data-centric approach. Chapters 15 and 16 cover how to get started. Chapter 17 explains the important role of governance in the data-centric approach. Chapter 18 summarizes the key takeaways. Enterprise Information Architecture for a New Age: Big Data and The Internet of Things, provides guidance in designing an information architecture to accommodate increasingly large amounts of data, massively large amounts of data, not only from traditional sources, but also from novel

sources such everyday objects that are fast becoming wired into global Internet. No business can afford to be caught out by missing the value to be mined from the increasingly large amounts of available data generated by everyday devices. The text provides background as to how analytical solutions and enterprise architecture methodologies and concepts have evolved (including the roles of data warehouses, business intelligence tools, predictive analytics, data discovery, Big Data, and the impact of the Internet of Things). Then you're taken through a series of steps by which to define a future state architecture and create a plan for how to reach that future state. Enterprise Information Architecture for a New Age: Big Data and The Internet of Things helps you gain an understanding of the following: Implications of Big Data from a variety of new data sources (including data from sensors that are part of the Internet of Things) upon an information architecture How establishing a vision for data usage by defining a roadmap that aligns IT with line-of-business needs is a key early step The importance and details of taking a step-by-step approach when dealing with shifting business challenges and changing technology capabilities How to mitigate risk when evaluating existing infrastructure and designing and deploying new infrastructure Enterprise Information Architecture for a New Age: Big Data and The Internet of Things combines practical advice with technical considerations. Author Robert Stackowiak and his team are recognized worldwide for their expertise in large data solutions, including analytics. Don't miss your chance to read this book and gain the benefit of their advice as you look forward in thinking through your own choices and designing your own architecture to accommodate the burgeoning explosion in data that can be analyzed and converted into valuable information to drive your

business forward toward success.

Case studies that examine how firms coordinate economic activity in the face of asymmetric information—information not equally available to all parties—are the focus of this volume. In an ideal world, the market would be the optimal provider of coordination, but in the real world of incomplete information, some activities are better coordinated in other ways. Divided into three parts, this book addresses coordination within firms, at the borders of firms, and outside firms, providing a picture of the overall incidence and logic of economic coordination. The case studies—drawn from the late nineteenth and early twentieth century, when the modern business enterprise was evolving, address such issues as the relationship between coordination mechanisms and production techniques, the logic of coordination in industrial districts, and the consequences of regulation for coordination. Continuing the work on information and organization presented in the influential Inside the Business Enterprise, this book provides material for business historians and economists who want to study the development of the dissemination of information and the coordination of economic activity within and between firms.

In two volumes, Planning Production and Inventories in the Extended Enterprise: A State of the Art Handbook examines production planning across the extended enterprise against a backdrop of important gaps between theory and practice. The early chapters describe the multifaceted nature of production planning problems and reveal many of the core complexities. The middle chapters describe recent research on theoretical techniques to manage these complexities. Accounts of production planning system currently in use in various industries are included in the later chapters.

Throughout the two volumes there are suggestions on promising directions for future work focused on closing the gaps.

Coordination and Information

Enterprise Architecture for Integration

Scalable Web Architecture, Processes, and Organizations for the Modern Enterprise

A Playbook for Business Value and Digital Transformation

Making Enterprise Information Management (EIM) Work for Business

Main Principles for the Human-Oriented Enterprise

Reengineering Information Systems

This is the eBook version of the printed book. If the print book includes a CD-ROM, this content is not included within the eBook version. Architecture for the Intelligent Enterprise: Powerful New Ways to Maximize the Real-time Value of Information Tomorrow's winning "Intelligent Enterprises" will bring together far more diverse sources of data, analyze it in more powerful ways, and deliver immediate insight to decision-makers throughout the organization. Today, however, most companies fail to apply the information they already have, while struggling with the complexity and costs of their.

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.

Is the Enterprise Information Portal (EIP) knowledge management's killer app? Leading expert Joseph M. Firestone, the first author to formulate the idea of the Enterprise Knowledge Portal, breaks new ground and looks to the future with a practical, but comprehensive approach to enterprise portals and their relationship to knowledge management. Providing a clear and novel overview, Firestone tackles

a wide range of topics ranging from functional EIP applications, estimating costs and benefits of EIPs, variations in EIP technical architecture, the role of intelligent agents, the nature of knowledge management, portal product/solution segmentation, portal product case studies, to the future of the EIP space. 'Enterprise Information Portals and Knowledge Management' is the book on portals you've been waiting for. It is the only book that thoroughly considers, explores, and analyzes: * The EIP orientation, outlook and evolution * A new methodology for estimating EIP benefits and costs * EIP and Enterprise Knowledge Portals (EKP) architecture * The approaching role of software agents in EIPs and EKPs * The current and future contribution of EIP and EKP solutions to Knowledge Management * The role of XML in portal architecture * A comprehensive, multi-dimensional, and forward-looking segmentation of EIP products accompanied by portal product case studies * Where EIP sector companies are headed and the pathways they will follow to get there

The Art of Enterprise: Entrepreneurship in Design explores the form and nature of entrepreneurship in a range of creative disciplines. It explores the complex ecology of activities that enable design, entrepreneurship, and alternative methods of practice within a creative practice, and for the benefit and engagement of society. The book is structured in four thematic sections: the Alpha Room, Beta Portal, Gamma Field, and Delta State. Within each section, the chapters address such topics as experience, mindset, activity, collaboration, and value. In that sense, The Art of Enterprise is composed of the way in which one experiences, thinks about,

works, collaborates, and creates value in the mind, studio, prototype, and marketplace. It includes a curated selection of contemporary practices engaged in entrepreneurship around the world and interviews from leading entrepreneurs and design professionals capturing advice and inspiration. With an open-ended set of activities, charts, worksheets, and discussion questions, The Art of Enterprise fosters entrepreneurial thinking in formative projects and practices for students, academics, and professionals.

The Art of Compassionate Business
Enterprise Information Management with SAP
Planning Production and Inventories in the Extended Enterprise
Restoring Sanity to Enterprise Information Systems
A Systems Perspective on Industrial Information Integration
The Art of Enterprise
A Modern Enterprise Architecture Approach

This book provides a method to plan, develop, validate, or evolve the design of an enterprise architecture function so that it fully meets the organization's needs. The reader will benefit from this book in two ways. First, it provides a structured overview and orientation to the subject of architecture from an architecture function perspective. Second, it guides through the process of planning, building, and operating your own architecture organization based on a generic architecture function blueprint presented in the form of a pattern language offering a structured means for navigating, contextualizing, combining, and composing the architecture function

patterns. The book is structured in six chapters. Chapter 1 "Introduction" explains the starting position and objectives of the book and introduces key concepts that will be explained further in subsequent chapters. Chapter 2 "Architecture Function Pattern Language" introduces the concepts of pattern, pattern catalogue, pattern topology, and ontology and explains how these concepts are combined to form a pattern language for planning, designing, and operating an architecture function. Next, Chapter 3 "Architecture Function – Context" introduces concepts that are crucial for understanding the challenges that an architecture function faces and presents a generic schema for the business organizations and value chain. Chapter 4 "Architecture Function – Challenge" looks at an architecture function from a black box perspective and outlines the expectations and requirements that companies place on architecture organizations. It discusses the building blocks of an architecture function, the services it provides along the enterprise value chain, and the quality attributes that enterprises expect from their functions. Chapter 5 "Architecture Function – Constitution" then shifts from a black-box perspective to a white-box perspective and outlines the generic design of an architecture function in order to realize functional and quality-related requirements. Chapter 6 "Pattern Catalogue" eventually introduces the pattern catalogue with a total of 48 architecture function patterns. These patterns suggest designs for collaboration between the architecture function and enterprise organizations, for the elaboration and development of enterprise services along the enterprise value chain, or for aligning architecture governance with enterprise governance. The book is intended for a broad readership, including enterprise, domain, and solution architects, lecturers and students,

and anyone else interested in understanding the value proposition, responsibilities, outcomes, methods, and practices of architecture functions. It introduces the basic concepts and theories needed to understand the pattern language presented and the patterns it summarizes. Enterprise Architecture is the discipline of managing the complexities of the Business-IT landscape. It has been around since the 1980's, when for the first time computers were connected in networks, and the already serious (and unsolved) problem of the complexity of computer programs for relatively simple business needs turned into the huge problem of large networks of them in complex business landscapes. In spite of many 'best practices' and 'frameworks' that have been introduced, Enterprise Architecture is not a great success. After thirty years, we still have the same problems. Chaos is still everywhere. Projects still fail far too often. In this book, (hidden) assumptions behind the existing approaches to enterprise architecture are challenged, and a more realistic perspective that helps us battle the complexities and unpredictabilities of today's Business-IT landscapes is described. Practical suggestions about enterprise architecture governance and products, based on real-world experience with the described approach, complete the book. From general management to IT professionals, everyone who is confronted with the problem of managing Business-IT landscapes can profit from the insights this book offers. No specialist prior knowledge is required. Gerben Wierda is author of Mastering ArchiMate, and was, amongst other things, Lead Architect of the Judiciary in The Netherlands, Lead Architect of APG Asset Management, and is now Team Coordinator Architecture & Design at APG. He holds an M.Sc in Physics from the University of Groningen and an MBA from RSM Erasmus,

Rotterdam.