

Service Oriented Architecture Concepts Technology And Design Thomas Erl

Going Corporate: A Geek's Guide shows technology workers how to gain the understanding and skills necessary for becoming an effective, promotable manager or sought-after consultant or freelancer. Technology professionals typically dive deeply into small pieces of technology—like lines of code or the design of a circuit. As a result, they may have trouble seeing the bigger picture and how their work supports an organization's goals. But ignoring or dismissing the business or operational aspects of projects and products can lead to career stagnation. In fact, understanding the larger business environment is essential for those who want a management job, a consulting gig, or to one day start a business. It's also essential for those who have been promoted and find themselves flailing for lack of a business education. Going Corporate: A Geek's Guide to the rescue! This book is designed to help readers gain management skills, insight, and practical understanding of essential business and operational topics. Readers will learn to develop project and program management skills, deliver service efficiently and improve processes, implement governance, analyze financial statements, and much more. After reading this book, technology professionals will understand such things as enterprise architecture, IT operations management, strategic and financial management—and how each relates to the others. Detailed case studies help cement an understanding of how an IT organization and its workers succeed in the 21st century. This book: Illustrates how pieces of the business puzzle fit together to form a robust enterprise Prepares readers to get

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promoted into management Explains the key management skills and knowledge required for a successful IT career

Service-Oriented Architecture (SOA) is at the heart of a revolutionary computing platform that is being adopted world-wide and has earned the support of every major software provider. In *Service-Oriented Architecture: Concepts, Technology, and Design*, Thomas Erl presents the first end-to-end tutorial that provides step-by-step instructions for modeling and designing service-oriented solutions from the ground up. Erl uses more than 125 case study examples and over 300 diagrams to illuminate the most important facets of building SOA platforms: goals, obstacles, concepts, technologies, standards, delivery strategies, and processes for analysis and design. His book's broad coverage includes Detailed step-by-step processes for service-oriented analysis and service-oriented design An in-depth exploration of service-orientation as a distinct design paradigm, including a comparison to object-orientation A comprehensive study of SOA support in .NET and J2EE development and runtime platforms Descriptions of over a dozen key Web services technologies and WS-* specifications, including explanations of how they interrelate and how they are positioned within SOA The use of "In Plain English" sections, which describe complex concepts through non-technical analogies Guidelines for service-oriented business modeling and the creation of specialized service abstraction layers A study contrasting past architectures with SOA and reviewing current industry influences Project planning and the comparison of different SOA delivery strategies The goal of this book is to help you attain a solid understanding of what constitutes contemporary SOA along with step-by-step guidance for realizing its successful implementation.

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Special Features: · SOA is an upcoming and hot topic nowadays. Besides the corporate work, SOA is being introduced as an elective paper in major universities.· First book that focuses on architecture, design and development of enterprise and cloud applications based on SOA.· Caters to the needs of students who need to understand the concepts of SOA and cloud computing; architects, designers and developers who build SOA-based enterprise and cloud applications and CXOs and Project managers who make decisions on undertaking SOA projects involving enterprise and cloud applications.· Provides insights on concepts of SOA and cloud computing that can be put to immediate use for creating transformational impact.· Includes detailed description (and code) to enable architects, designers and developers to build SOA applications on Java and .NET platforms.· Offers a comprehensive and structured set of reference models and techniques for custom-built enterprise and cloud applications that can be readily applied by system integration companies and end-user organizations to address customer needs.· Presents both concepts and technology detail in addressing the IT challenges faced by organizations on their business transformation journey with SOA and cloud computing. About The Book: This book is targeted at practitioners who wish to get insights into developing SOA solutions. Software architects, designers, developers, project managers and consultants can benefit significantly from this book. At the same time, beginners can also get an understanding of the concepts and how SOA based solutions are developed in practice today. Strawman architecture for Enterprise-wide SOA and reference architectures for SOA based applications can serve to be very convenient starting points for anyone wanting to recommend or develop SOA solution. Designers can follow the methodologies outlined for service design in this book and come up with services model for their applications. The best

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practices identified through executing a number of SOA projects, provide the much needed guidance to project teams. New to the second edition: Keeping in mind the feedback received and the changes taking place in technology and in IT industry, the following enhancements are included. 1) Introduce Software Engineering as Chapter 1 - One of the points given as feedback for the first edition is that there are several practicing developers, testers and project/program managers who are interested in SOA but do not have the necessary background or experience in Software Engineering. Accordingly, Software Engineering Principles has been added as the first chapter. 2) Cloud Computing - Since the launch of the book, Cloud computing and services based on the Cloud (internet cloud) have emerged as major trends related to deploying and leveraging of services. Therefore, separate chapters on Cloud Computing Concepts, Cloud Computing Platforms and SOA with Cloud Services have been included.

"This book offers a selection of chapters that cover three important aspects related to the use of non-functional properties in SOA: requirements specification with respect to non-functional properties, modeling non-functional properties and implementation of non-functional properties"--Provided by publisher.

Praise for Service-Oriented Architecture "This book provides a superb overview of the SOA topic. Marks and Bell provide practical guidance across the entire SOA life cycle—from business imperatives and motivations to the post-deployment business and technical metrics to consider. With this book, Marks and Bell demonstrate a unique ability to take the complex dynamics of SOA, and through an eloquent set of metaphors, models, and principles, provide an understandable and insightful how-to manual for both technical and business executives.

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This will become a required handbook for any organization implementing SOA." —Dan Bertrand, Enterprise Technology Officer & EDS Fellow, EDS Corporation "A fundamental breakthrough in the business and technology perspectives of SOA—this book belongs in every software developer, architect, and IT executive library. Marks and Bell demonstrate a creative and practical approach to building complex, service-oriented systems. I especially liked the hands-on perspective brought to multiple aspects of SOA. A must-have guide in the technology turbulence of the future." —Ariel Aloni, Chief Technology Officer, SunGard Data Management Solutions "This outstanding text gets straight to the heart of the matter, cutting through the hyperbole and discussing how to drive real business value through SOA. It will certainly impact my behavior, our governance models, and, subsequently, the successful business outcomes we derive as we continue to embrace SOA. A must-read for battle-scarred SOA veterans and fledgling architects alike." —Christopher Crowhurst, Vice President and Chief Architect, Thomson Learning "Too often, SOA has been perceived as 'all about the technology'-standards, technology stacks, operational monitoring, and the like. In this book, Marks and Bell expand beyond the technology to provide a refreshing business-driven perspective to SOA, connecting the dots between business requirements, architecture, and development and operations, and overlaying these perspectives with tried-and-true governance techniques to keep SOA initiatives on track. A must-read for those leading the charge to adopt SOA within their enterprise." —Brent Carlson, Chief Technology Officer, LogicLibrary and coauthor of San Francisco Design Patterns: Blueprints for Business Software "Marks and Bell have captured a wealth of practical experience and lessons learned in what has become the hottest topic in software development. In this book, they explain in detail what

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works and what does not, from procedural issues to technical challenges. This book is an invaluable reference for organizations seeking the benefits of SOAs." —Dr. Jeffrey S. Poulin, System Architect, Lockheed Martin and author of *Measuring Software Reuse: Principles, Practices, and Economic Models* "One of the last things companies often consider when implementing a business solution such as SOA is the impact on people. Marks and Bell provide an in-depth look at 'what has to change' from a process standpoint to make any SOA implementation a success. A great read for those considering to embark on an enterprise SOA and looking for the right mix of people, process, and products." —Alan Himler, Vice President of Product Management and Marketing, LogicLibrary

SOA is a complex topic and a complex organizational goal *Service-Oriented Architecture: A Planning and Implementation Guide for Business and Technology* shows you how to plan, implement, and achieve SOA value through its prescriptive approach, joining the business and strategic perspective to the technical and architectural perspective. Applicable to all industries, technology platforms, and operating environments, this innovative book provides you with the essential strateg

This book constitutes the proceedings of the 4th International Workshop on Enterprise Applications and Services in the Finance Industry, FinanceCom2008, held in Paris, France, on December 13, 2008. The workshop spans multiple disciplines, including technical, economic, sociological and behavioral sciences. The guiding theme of this workshop was concerned with innovations in the financial services industry, driven by either new business models or changed regulations. The nine presented papers and the keynote speech were carefully reviewed and selected from numerous submissions. The topics covered are financial markets and customers, service-oriented architectures, and regulation and compliance.

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Data processing, Terminology, Vocabulary, Definitions, Digital computers, Design, Performance, Management

This course covers a number of advanced elements of service oriented architecture: goals and characteristics, SOA from a service perspective, the challenges of service oriented architecture, a maturity model, SOA decomposition/design, and process architecture. The participant should be better prepared to deal with issues within service oriented architecture, and gain an understanding of advanced technologies and techniques that can be leveraged to make service oriented architecture successful. You will learn about the value of service oriented architecture and how to make use of service oriented architecture in context of your IT infrastructure, as well as your business. The course has two major units. In the first unit, SOA characteristics such as adaptability, agility, functional reusability, change management, and interoperability are explored, along with the make-up and contents of a meta-model. Next, SOA is looked at from a services perspective first defining services from a broad and narrow perspective and then delving into the major characteristics of services. The second unit presents major SOA challenges, provides the important elements (using examples) of maturity models, and covers the specifics of SOA decomposition and design. The course concludes with a discussion of the process for creating service oriented architecture. Track: Core technologies technical insights and the underlying concepts of essential technologies. Learning objectives: Recognize the major characteristics of service oriented architecture. Define services from both a broad and narrow perspective. Articulate the characteristics of services from an IT point of view. Identify the three core challenges within service oriented architecture. Understand how to leverage service oriented architecture with a maturity model. Explain

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service and process decomposition. Understand the process of creating a service oriented architecture.

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

Each of these four conferences encourages researchers to treat their respective topics within a framework that incorporates jointly (a) theory, (b) conceptual design and development, and (c) applications, in particular case studies and industrial solutions. Following and expanding the model created in 2003, we again solicited and selected quality workshop proposals to complement the more “archival” nature of the main conferences with research results in a number of selected and more “avant-garde” areas related to the general topic of Web-based distributed computing. For instance, the so-called Semantic Web has given rise to several novel research areas combining linguistics, information systems technology, and artificial intelligence, such as the modeling of (legal) regulatory systems and the ubiquitous nature of their usage. We were glad to see that ten of our earlier successful workshops (ADI, CAMS, EI2N, SWWS, ORM, OnToContent, MONET, SEMELS, COMBEK, IWSSA) re-appeared in 2008 with a second, third or even fourth edition, sometimes by alliance with other newly emerging workshops, and that no fewer than three brand-new independent workshops could be selected from proposals and hosted: ISDE, ODIS and Beyond SAWSDL.

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Workshop - diences productively mingled with each other and with those of the main c-ferences, and there was considerable overlap in authors.

Many software developers often confuse requirements engineering with software specification and, as a result, build unusable systems, despite meeting specifications. Bringing together all the techniques needed by the modern software developer, here is a practical handbook to requirements engineering and systems specification for developers building systems within a service oriented architecture. It introduces the concepts of SOA and relevant standards and technology, such as Web services and ESBs, and then presents a range of modern requirements engineering techniques. Challenges in unpredictable markets, changing customer requirements, and advancing information technologies have lead to progression towards service oriented engineering and agile and lean software development. These prevailing approaches to software systems provide solutions to challenges in demanding business environments. Agile and Lean Service-Oriented Development: Foundations, Theory and Practice explores the groundwork of service-oriented and agile and lean development and the conceptual basis and experimental evidences for the combination of the two approaches. Highlighting the best tools and guidelines for these developments in practice, this book is essential for researchers and practitioners in the software development and service computing fields.

Web browsing would not be what it is today without the use of Service-Oriented

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Architecture (SOA). Although much has been written about SOA methodology, this emerging platform is continuously under development. Exploring Enterprise Service Bus in the Service-Oriented Architecture Paradigm is a detailed reference source that examines current aspects and research methodologies that enable enterprise service bus to unify and connect services efficiently on a common platform. Featuring relevant topics such as SOA reference architecture, grid computing applications, complex event computing, and java business integration, this is an ideal resource for all practitioners, academicians, graduate students, and researchers interested in the discoveries on the relationship that Service-Oriented architecture and enterprise service bus share. Advanced approaches to software engineering and design are capable of solving complex computational problems and achieving standards of performance that were unheard of only decades ago. Handbook of Research on Emerging Advancements and Technologies in Software Engineering presents a comprehensive investigation of the most recent discoveries in software engineering research and practice, with studies in software design, development, implementation, testing, analysis, and evolution. Software designers, architects, and technologists, as well as students and educators, will find this book to be a vital and in-depth examination of the latest notable developments within the software engineering community. This book constitutes the refereed proceedings of the International Conference on High Performance Architecture and Grid Computing, HPAGC 2011, held in Chandigarh,

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India, in July 2011. The 87 revised full papers presented were carefully reviewed and selected from 240 submissions. The papers are organized in topical sections on grid and cloud computing; high performance architecture; information management and network security.

There has never been a SOA manual like this. 100 Success Secrets is not about the ins and outs of SOA. Instead, it answers the top 100 questions that we are asked and those we come across in forums, our consultancy and education programs. It tells you exactly how to deal with those questions, with tips that have never before been offered in print. This book is also not about SOA's best practice and standards details. Instead, it introduces everything you want to know to be successful with SOA.

Bringing together some of the world's leading thinkers, academics and professionals to provide practitioners, students and academicians with comprehensive insights into implementing effective service innovation. This book presents service innovation holistically and systemically across various service areas, including health, education, tourism, hospitality, telecommunications, and retail. It addresses contemporary issues through conceptual and applied contributions across industry, academia, and government, providing insights for improved practice and policy making. Featuring cutting-edge research contributions, practical examples, implementations and a select number of case studies across several growth service industries, this book also includes examples of failed service innovation attempts in order to demonstrate a

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balanced view of the topic and to make clear the pitfalls to be avoided. Culminating in a suggested step-by-step guide to enable service organization's managers to understand and implement the concepts of service innovation and manage its evolutionary processes effectively, this book will prove a valuable resource to a wide reaching audience including researchers, practitioners, managers, and students who aspire to create a deeper scientific foundation for service design and engineering, service experience and marketing, and service management and innovation. Includes endorsements from professionals in the field of service innovation.

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Market_Desc: · Students, Software Engineers, Designers, Architects, Business Analysts and Consultants· Project/Program Managers and IT Consultants, CXOs
Special Features: · First book that focuses on architecture, design and development of Enterprise applications based on Service Oriented Architecture· Caters to the needs of students who need to understand the concepts of SOA, architects, designers and developers who build SOA based enterprise applications and CXOs and Project managers who make decisions on undertaking SOA projects· Includes detailed description (and code) to enable architects, designers and developers to build SOA applications on Java and .NET platforms· SOA is one of key areas on which IT services; product and end-user

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companies will be building substantial capability atleast until 2011. This book enables project teams in these companies to use it as a text book for their training programs on SOA About The Book: Service-Oriented Architecture is a book that emphasizes on architecture, design and development of enterprise applications based on SOA. The book provides detailed information on many dimensions of SOA-reuse, agility and integration-that can be put to immediate use for creating transformational impact. It also offers a comprehensive and structured set of techniques for custom-built service-oriented enterprise applications that can be readily applied by system integration companies and end-user organizations to address customer needs. The book equips you with both concepts and technology detail in addressing the IT challenges faced by organizations on their business transformation journey with SOA. This is the most sought after book by students who need to have an understanding of the concepts of SOA; architects, designers and developers who build SOA based enterprise applications and CXOs and Project managers who make decisions on undertaking SOA projects.

Originally presented as the author's thesis (doctoral)--Universit'at Regensburg, 2010.

The first part of the MIE 2008 conference theme - eHealth Beyond the Horizon -

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highlights the expectations for the future of ehealth and raises the question: What sort of developments in ehealth services can we imagine emerging above the horizon in the years to come? EHealth Beyond the Horizon contains a good number of high-quality papers giving different perspectives of this future, some of them already available today in pilot scale, some of them outlined in visions. The second part of the theme - Get IT There - has triggered a large number of papers describing how to create, evaluate, adjust and deliver products and deploy services in healthcare organizations for the necessary information technology as a basis for the ehealth applications that are essential in order to respond to the challenges of the health systems. The papers in the proceedings are grouped by themes according to the submission categories and the supplied keywords. As the last theme, three doctoral students from different areas of medical informatics were selected to present and discuss their research under the guidance of a panel of distinguished research faculties.

This third volume on Emerging Web Services Technologies follows the current - search activities in the areas of Web Services and Service Oriented Architectures. It includes the proceedings of the 3 Workshop on Emerging Web Services Technology 2008 (WEWST'08), which was colocated with the 6 European Conference on Web Services (ECOWS'08) and took place in

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November 2008 in Dublin, Ireland. In addition, this volume features three papers from the ECOWS'08 business track. WEWST focuses on research contributions advancing the state of the art in Web Services technologies. The main goal of the WEWST workshop is to serve as a forum for providing early exposure and much needed feedback to grow and establish original and emerging ideas within the Web Services community. The wide variety of tools, techniques, and technological solutions presented in WEWST share one common feature – they advance the current Web Services research in new directions by introducing new, sometimes controversial ideas into the field. As such, WEWST is the natural extension to the main ECOWS conference. For this edition of WEWST, we accepted 6 full papers and 3 short papers. We would like to thank the paper authors for their submissions and for their contribution to the timely preparation of these proceedings, as well as for their presentations and lively discussions during the workshop. At the same time, we would like to thank our Program Committee for their work and for submitting the reviews on time. Last but not least, we would like to thank the ECOWS conference organizers for their help organizing a successful workshop. This book constitutes the refereed proceedings of the 4th IFIP WG 8.1 Working Conference on Method Engineering, ME 2011, held in Paris, France, in April

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2011. The 13 revised full papers and 6 short papers presented together with the abstracts of two keynote talks were carefully reviewed and selected from 30 submissions. The papers are organized in topical sections on situated method engineering, method engineering foundations, customized methods, tools for method engineering, new trends to build methods, and method engineering services.

The first and only book that provides a patterns catalogue for Service Oriented Architecture.

Service-oriented Architecture Concepts, Technology, and Design Prentice Hall
Diploma Thesis from the year 2006 in the subject Computer Science -
Commercial Information Technology, grade: 1,3, University of Bamberg, 92
entries in the bibliography, language: English, abstract: In today's companies
changes happen very fast. On the one hand more and more new technologies
are arising, on the other hand business processes have to change because of
mergers and acquisitions, new regularities, changing customer requirements and
so forth. As business processes are supported by information technology,
information technology has to cope with both types of changes. From a business
perspective on-demand adaptation of information technology to business is
required. Service-oriented architecture (SOA) is currently discussed as an

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opportunity to better adapt to those changes.

2008) and quality-of-service concerns (QoS-CSOA 2008), and provided a forum for the - change of ideas between researchers and practitioners in the specific research areas.

Provides information on how to model and design service-oriented SOA platforms.

Conventional wisdom of the "software stack" approach to building applications may no longer be relevant. Enterprises are pursuing new ways of organizing systems and processes to become service oriented and event-driven. Leveraging existing infrastructural investments is a critical aspect to the success of companies both large and small. Enterprises have to adapt their systems to support frequent technological changes, mergers and acquisitions. Furthermore, in a growing global market, these systems are being called upon to be used by external business partners. Technology is often difficult, costly and complex and without modern approaches can prevent the enterprise from becoming agile. Enterprise Service Oriented Architectures helps readers solve this challenge in making different applications communicate in a loosely coupled manner. This classic handbook leverages the experiences of thought leaders functioning in multiple industry verticals and provides a wealth of knowledge for creating the

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agile enterprise. In this book, you will learn:

- How to balance the delivery of immediate business value while creating long-term strategic capability
- Fundamental principles of a service-oriented architecture (find, bind and execute)
- The four aspects of SOA (Production, Consumption, Management and Provisioning)
- How to recognize critical success factors to implementing enterprise SOAs
- Architectural importance of service registries, interfaces and contracts
- Why improper service decomposition can hurt you later rather than sooner
- How application design and integration practices change as architects seek to implement the "agile" enterprise

About the Authors James McGovern is an enterprise architect for The Hartford. He is an industry thought leader and co-author of the bestselling book: *A Practical Guide to Enterprise Architecture*. Oliver Sims is a recognized leader in the architecture, design and implementation of service-oriented and component-based enterprise systems. He was a founding member of the OMG Architecture Board. He was co-author of the groundbreaking book: *Business Component Factory*. Ashish Jain is a Principal Architect with Ping Identity Corporation, a leading provider of solutions for identity federation. Prior to joining Ping Identity, he worked with BEA Systems where his role was to assist BEA customers in designing and implementing their e-business strategies using solutions based on J2EE. He holds several industry certifications

from SUN and BEA and is also a board member for the Denver BEA User group. Mark Little is Director of Standards and SOA Manager for JBoss Inc. Prior to this, he was Chief Architect for Arjuna Technologies Ltd and a Distinguished Engineer at Hewlett-Packard. As well as being an active member of the OMG, JCP, OASIS and W3C, he is an author on many SOA and Web Services standards. He also led the development of the world's first standards-compliant Web Services Transaction product.

Aggressively being adopted by organizations in all markets, service-oriented architecture (SOA) is a framework enabling business process improvement for gaining competitive advantage. *Service-Oriented Architecture: SOA Strategy, Methodology, and Technology* guides you through the challenges of deploying SOA. It demonstrates conclusively that strategy and methodology are the keys to implementing SOA and provides the methodology needed for SOA success. The book examines the role of both non-agile and agile project management techniques for deploying SOA. Its methodology applies frameworks of governance, communications, product realization, project management, architecture, data management, service management, human resource management and post implementation processes. Filled with case studies, the book shows the methodology in action. This reference benefits business

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managers, business analysts, and technology project managers who are serious about adopting SOA as a long-term strategy. It also benefits those new to business process management, enterprise architecture, and information systems and need to understand SOA, its business drivers, and its methodology. This book highlights how to integrate and realize Service Oriented Architecture with web services which is one of the emerging technologies in IT. It also focuses on the latest technologies, such as Metadata Management, Security issues, Quality of Service and its commercialization. A chapter is also devoted to the study of Emerging standards and development tools for Enterprise Application Integration. Most enterprises have made extensive investments in system resources over the course of many years. Such enterprises have an enormous amount of data stored in legacy enterprise information systems (EIS), so it is not practical to discard existing systems. It is more cost-effective to evolve and enhance EIS. This could be done with the help of SOA realizing with web services, which is an emerging field in Information technology. SOA is usually realized through web services. Web services specifications may add to the confusion of how to best to utilize SOA to solve business problems. In order for a smooth transition to SOA, using an architectural style that helps in realizing web services through SOA. The book concentrates on this architecture, realization

and integration of SOA with web services. It consists of 12 chapters and is recommended for all postgraduate Computer Science Students.

Identifying Emerging Trends in Technological Innovation Doctoral programs in science and engineering are important sources of innovative ideas and techniques that might lead to new products and technological innovation. Certainly most PhD students are not experienced researchers and are in the process of learning how to do research. Nevertheless, a number of empiric studies also show that a high number of technological innovation ideas are produced in the early careers of researchers. The combination of the eagerness to try new approaches and directions of young doctoral students with the experience and broad knowledge of their supervisors is likely to result in an important pool of innovation potential. The DoCEIS doctoral conference on Computing, Electrical and Industrial Engineering aims at creating a space for sharing and discussing ideas and results from doctoral research in these inter-related areas of engineering. Innovative ideas and hypotheses can be better enhanced when presented and discussed in an encouraging and open environment. DoCEIS aims to provide such an environment, releasing PhD students from the pressure of presenting their propositions in more formal contexts.

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Service-Oriented Computing (SOC) allows software development time to be shortened by the composition of existing services across the Internet. Further exploitation of this revolutionary trend is feasible through automation, thanks to the use of software agents and techniques from distributed artificial intelligence. This book provides an overview of the related technologies and insight into state-of-the-art research results in the field. The topics discussed cover the various stages in the life cycle of service-oriented software development using agent technologies to automate the development process and to manage services in a dynamic environment. The book presents both academic research results and the latest developments from industry. Researchers from academia and industry, as well as postgraduates, will find this cutting-edge volume indispensable in order to gain understanding of the issues associated with agent-based service-oriented computing along with recent, and likely future technology trends.

Interoperability is a topic of considerable interest for business entities, as the exchange and use of data is important to their success and sustainability.

Electronic Business Interoperability: Concepts, Opportunities and Challenges analyzes obstacles, provides critical assessment of existing approaches, and reviews recent research efforts to overcome interoperability problems in electronic business. It serves as a source of knowledge for researchers,

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educators, students, and industry practitioners to share and exchange their most current research findings, ideas, practices, challenges, and opportunities concerning electronic business interoperability.

A must-have guide for all companies undertaking service-oriented architecture (SOA) and IT governance *Service-Oriented Architecture Governance for the Services Driven Enterprise* expertly covers the business, organizational, process, compliance, security, and technology facets of SOA and IT governance. This book provides a comprehensive enterprise view of governance from a strategic and tactical perspective, as well as modeling and planning tools to help evolve a company's ongoing governance requirements. Written by Eric Marks and the industry's leading SOA authorities, this essential book provides a refreshing business-driven perspective to SOA and IT governance.

"This book offers widespread knowledge on modern organizations and the complications of the current globalized computing environment"--Provided by publisher.

This book contains the proceedings of two well established scientific events held in connection with the CAiSE conferences relating to the areas of enterprise, business-processes, and information systems modeling: – The 11th International Workshop on Business Process Modeling, Development and Support (BPMDS

2010); – The 15th International Conference on Exploring Modeling Methods for Systems Analysis and Design (EMMSAD 2010). The two events are introduced briefly below. BPMDS 2010 was the 11th in a series of workshops that have successfully served as a forum for raising and discussing new ideas in the area of business process development and support. The BPMDS series has produced 10 workshops from 1998 to 2009. Eight of these workshops, including the last seven (BPMDS 2003–BPMDS 2009) were held in conjunction with CAiSE conferences. The BPMDS workshops focus on topics relating to IT support for business processes, which addresses key issues that are relevant to the continuous development of information systems theory. The continued interest in these topics within the industrial and academic IS communities is reflected by the success of the last BPMDS workshops and the emergence of new conferences devoted to this theme. Previous BPMDS workshops focused on the different phases in the business process life-cycle as well as the drivers that motivate and initiate business process design and evolution.

Answers to your most pressing SOA development questions How do we start with service modeling? How do we analyze services for better reusability? Who should be involved? How do we create the best architecture model for our

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organization? This must-read for all enterprise leaders gives you all the answers and tools needed to develop a sound service-oriented architecture in your organization. Praise for Service-Oriented Modeling Service Analysis, Design, and Architecture "Michael Bell has done it again with a book that will be remembered as a key facilitator of the global shift to Service-Oriented Architecture. . . . With this book, Michael Bell provides that foundation and more-an essential bible for the next generation of enterprise IT." -Eric Pulier, Executive Chairman, SOA Software "Michael Bell's insightful book provides common language and techniques for business and technology organizations to take advantage of the SOA paradigm. By focusing modeling techniques on the business problem, Bell provides a way for professionals to work throughout the life cycle to create reusable and enduring services." -Mike Zbranek, CIO, Chase Card Services "This book will become an imperative business and technology service-oriented modeling recipe for any manager, architect, modeler, analyst, and developer in today's software development industry." -Jeff Schneider, CEO, MomentumSI "'Innovative' and 'groundbreaking' are words that best describe Michael Bell's Service-Oriented Modeling. It depicts a true service modeling approach that elegantly closes a clear and critical service modeling gap in the SOA industry. This holistic book ties these concepts together using real-world examples across

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a service life cycle that transitions services from ideas and concepts into production assets that deliver business value. A must-read for business and technical SOA practitioners." -Eric A. Marks, CEO, AgilePath Corporation "As hot as SOA is today, many business and technology professionals still find it challenging to mind the gap between their disparate methodologies and objectives. Herein Michael Bell speaks clearly to both camps in straightforward language, outlining disciplines each can use to communicate effectively and advance the realization of corporate aims. This book is a bible for all who seek to drive business/technology into the future." -Mark Edward Goodrich, Director, Investing Product Management, Reuters Media "This book takes senior IT architects and systems designers into the depths of modeling for SOA, with a fresh new perspective on tools, terminology, and how to turn the theory into practice. His full life-cycle approach balances process, control, and accountability to align all the participants in the delivery pipeline-clearing the road for successful SOA business solutions." -Phil Gilligan, Chief Technology Officer, EBS
Contains the latest research, case studies, theories, and methodologies within the field of wireless technologies.

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