

Online Library Business
Process Analysis Including
Architecture, Engineering,
Management, And Maturity

Business Process Analysis Including Architecture, Engineering, Management, And Maturity

This book constitutes the proceedings of the 16th International Conference on Business Process Management, BPM 2018, held in Sydney, Australia, in September 2018. The 27 papers presented in this volume were carefully reviewed and selected from

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140 submissions. They were organized in topical sections named:

reflections on BPM;
concepts and methods in business process modeling and analysis; foundations of process discovery; alignments and conformance checking; process model analysis and machine learning; digital process innovation; and method analysis and selection.

IBM® Business Process Manager (IBM BPM) is a comprehensive business process management (BPM) suite that provides visibility and management

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Process Analysis Including
Architecture, Engineering,
of your business
Management, And Maturity
processes. IBM BPM

supports the whole BPM
lifecycle approach:

Discover and document Plan
Implement Deploy Manage
Optimize Process owners
and business owners can
use this solution to
engage directly in the
improvement of their
business processes. IBM
BPM excels in integrating
role-based process design,
and provides a social BPM
experience. It enables
asset sharing and creating
versions through its
Process Center. The
Process Center acts as a

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Architecture, Engineering,
Management, And Maturity

unified repository, making it possible to manage changes to the business processes with confidence. IBM BPM supports a wide range of standards for process modeling and exchange. Built-in analytics and search capabilities help to further improve and optimize the business processes. This IBM Redbooks® publication provides valuable information for project teams and business people that are involved in projects using IBM BPM. It describes the important

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Architecture, Engineering,
Management And Maturity

design decisions that you face as a team. These decisions invariably have an effect on the success of your project. These decisions range from the more business-centric decisions, such as which should be your first process, to the more technical decisions, such as solution analysis and architectural considerations.

After a brief introduction to the topic of business process modeling, the book offers a quick-start into model-based business process engineering. After

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Architecture, Engineering,
Management And Maturity
that, the foundations of
the modeling languages
used are conveyed.

Meaningful examples are in
the foreground - each of
the underlying formalisms
is treated only as far as
needed. Next the Horus
Method is described in
detail. The book defines a
sequence of activities
which finally leads to the
creation of a complete
business process model.

The Horus Method,
incidentally, is not bound
to the use of the Horus
software tools. It can be
used with other tools or,
if necessary, be used even

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Architecture, Engineering,
Management And Maturity

without tool support.
Important application
fields of business process
engineering are described,
where the spectrum ranges
from business process
reengineering to the
development and
implementation of
information systems. The
book concludes with an
outlook on the future of
business process
engineering and highlights
current research
activities in the area.
This book constitutes a
collection of selected
contributions from the
12th International

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Architecture, Engineering,
Management, And Maturity

Conference on Perspectives
in Business Informatics
Research, BIR 2013, held
in Warsaw, Poland, in
September 2013. Overall,
54 submissions were
rigorously reviewed by 41
members of the Program
Committee representing 21
countries. As a result, 19
full and 5 short papers
from 12 countries have
been selected for
publication in this
volume. This book also
includes the two keynotes
by Witold Abramowicz and
Bernhard Thalheim. The
papers cover many aspects
of business information

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Architecture, Engineering,
Management, And Maturity

research and have been organized in topical sections on: business process management; enterprise and knowledge architectures; organizations and information systems development; information systems and services; and applications.

4th International
Conference, WEBIST 2008,
Funchal, Madeira,
Portugal, May 4-7, 2008,
Revised Selected Papers
Including Architecture,
Engineering, Management,
and Maturity
Strategy and Business

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Process Analysis Including
Architecture, Engineering,
Process Management
Management And Maturity
Business Process Modeling,
Simulation and Design
12th International
Conference, BIR 2013,
Warsaw, Poland, September
23-25, 2013, Proceedings
Real-World Business
Process Management

This book prepares readers to master an IT and managerial discipline quickly gaining momentum in organizations of all sizes - Business Process Management (BPM). It describes how BPM treats processes as a portfolio of strategic assets that create and deliver customer and shareholder value and adapt,

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when necessary, enabling competitive advantage thr

Enterprises have to adapt their business processes quickly and efficiently to new business environments to ensure business success and long term survival. It is not sufficient to apply best business practices but new practices have to be developed and executed. These requirements are met by new business process automation technologies, based on concepts like web services, EAI, workflow, enterprise service architectures, and automation engines. Business process automation becomes a key enabler for

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Process Analysis Including
Architecture, Engineering,
Management, And Maturity

business process excellence.

This book explains major trends in business process automation and shows how new technologies and solutions are applied in practice. It outlines how process automation becomes an element of an overall process lifecycle management approach, structured on the basis of the ARIS House of business excellence and implemented through software tools like the ARIS toolset.

"This book presents useful strategies, techniques, and tools for the successful design, development, and

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Architecture, Engineering,
Management, And Maturity

implementation of enterprise information systems"--Provided by publisher.

Business Process Management (BPM) has become one of the most widely used approaches for the design of modern organizational and information systems. The conscious treatment of business processes as significant corporate assets has facilitated substantial improvements in organizational performance but is also used to ensure the conformance of corporate activities. This Handbook presents in two volumes the contemporary body of knowledge as articulated by

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Architecture, Engineering,
Management And Maturity

the world's leading BPM thought leaders. This first volume focuses on arriving at a sound definition of Business Process Management approaches and examines BPM methods and process-aware information systems. As such, it provides guidance for the integration of BPM into corporate methodologies and information systems. Each chapter has been contributed by leading international experts. Selected case studies complement these views and lead to a summary of BPM expertise that is unique in its coverage of the most critical success factors of BPM.

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Architecture, Engineering,
Management, And Maturity

Aligning Enterprise, System, and
Software Architectures

Mastering Splunk

Handbook on Business Process
Management 1

Business Process Automation

A Guide for Business Managers
and BPM and Six Sigma

Professionals

Modeling Languages, Methods,
Tools

***Enterprise modeling (EM)
has gained substantial
popularity both in the
academic community and
among practitioners. A
variety of EM methods,
approaches, and tools
are developed and***

offered on the market. In practice they are used for various purposes such as business strategy development, process restructuring, as well as business and IT architecture alignment and governance. PoEM 2008, the First IFIP WG 8.1 Working Conference on The Practice of Enterprise Modeling, took place in Stockholm, Sweden. It is the first conference aiming to establish a dedicated forum where the use of

***EM in practice is addressed by bringing together researchers, users, and practitioners. The goals of PoEM 2008 were to -
velop a better understanding of the practice of EM, to contribute to improved EM practice, as well as to share knowledge and experiences. The theme of PoEM 2008 was EM in different application contexts, e. g. , software development, including agile development, as well as***

**business development,
gove- ance, and change.**

**Business process
management is the basis
for all initiatives like
SCM, CRM, ERP, or
business intelligence.**

**New component and
internet-based software
architectures and web
services require a solid
process management to
deliver the expected
business success.**

**However, many
organizations still
struggle to find the
right approach to
business process**

management. IDS Scheer delivers with ARIS the framework to meet this challenge successfully. IDS Scheer has successfully applied its ARIS business process management approach at thousands of organizations worldwide such as Intel, Siemens, or the US Navy. This book presents international case studies in various manufacturing and service industries as well as the public sector. It shows how to

**achieve business process
excellence in practice.**

**Advances in medical
technology increase both
the efficacy and
efficiency of medical
practice, and mobile
technologies enable
modern doctors and
nurses to treat patients
remotely from anywhere
in the world. This
technology raises issues
of quality of care and
medical ethics, which
must be addressed. E-
Health and Telemedicine:
Concepts, Methodologies,
Tools, and Applications**

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Process Analysis Including
Architecture, Engineering,
Management, And Maturity

**explores recent advances
in mobile medicine and
how this technology
impacts modern medical
care. Three volumes of
comprehensive coverage
on crucial topics in
wireless technologies
for enhanced medical
care make this multi-
volume publication a
critical reference
source for doctors,
nurse practitioners,
hospital administrators,
and researchers and
academics in all areas
of the medical field.
This seminal publication**

features comprehensive chapters on all aspects of e-health and telemedicine, including implementation strategies; use cases in cardiology, infectious diseases, and cytology, among others; care of individuals with autism spectrum disorders; and medical image analysis. Your first Business Process Management (BPM) project is a crucial first step on your BPM journey. It is important to begin this journey with a philosophy of

change that allows you to avoid common pitfalls that lead to failed BPM projects, and ultimately, poor BPM adoption. This IBM® Redbooks® publication describes the methodology and best practices that lead to a successful project and how to use that success to scale to enterprise-wide BPM adoption. This updated edition contains a new chapter on planning a BPM project. The intended audience for this book includes

all people who participate in the discovery, planning, delivery, deployment, and continuous improvement activities for a business process. These roles include process owners, process participants, subject matter experts (SMEs) from the operational business, and technologists responsible for delivery, including BPM analysts, BPM solution architects, BPM administrators, and BPM

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Process Analysis Including
Architecture, Engineering,
developers.
Management, And Maturity
Enterprise Architecture
A to Z
Design, Performance, and
Analysis of Innovative
Information Retrieval
ebXML Simplified
Uncovering Essential
Software Artifacts
through Business Process
Archeology
Business Process
Analysis
Scaling BPM Adoption:
From Project to Program
with IBM Business
Process Manager
Every company wants to improve the way
it does business, to produce goods and

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Process Analysis Including
Architecture, Engineering,
Management, And Maturity

services more efficiently, and to increase profits. Nonprofit organizations are also concerned with efficiency, productivity, and with achieving the goals they set for themselves. Every manager understands that achieving these goals is part of his or her job. BUSINESS PROCESS MANAGEMENT (or BPM) is what they call these activities that companies perform in order to improve and adapt processes that will help improve the way they do business. In this balanced treatment of the field of business process change, Paul Harmon offers concepts, methods, and cases for all aspects and phases of successful business process improvement. Updated and added for this edition are coverage of business process management systems, business rules, enterprise architectures and frameworks (SCOR), and more content on Six Sigma and Lean--in addition to new coverage of

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Process Analysis Including
Architecture, Engineering,
Management And Maturity

*performance metrics. * Extensive revision and update to the successful BPM book, addressing the growing interest in Business Process Management Systems, and the integration of process redesign and Six Sigma concerns. * The best first book on business process, the most up-to-date book to read to learn how all the different process elements fit together. * Presents a methodology based on the best practices available that can be tailored for specific needs and that maintains a focus on the human aspects of process redesign. * Offers all new detailed case studies showing how these methods are implemented.*

Business Process Change, 3rd Edition provides a balanced view of the field of business process change. Bestselling author Paul Harmon offers concepts, methods, cases for all aspects and phases of successful business process

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Architecture, Engineering
Management And Maturity

improvement. Updated and added for this edition is new material on the development of business models and business process architecture development, on integrating decision management models and business rules, on service processes and on dynamic case management, and on integrating various approaches in a broad business process management approach. New to this edition: How to develop business models and business process architecture How to integrate decision management models and business rules New material on service processes and on dynamic case management Learn to integrate various approaches in a broad business process management approach Extensive revision and update addresses Business Process Management Systems, and the integration of process redesign and Six Sigma Learn how all the different process elements fit

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Architecture, Engineering,
Management, And Maturity

together in this best first book on business process, now completely updated Tailor the presented methodology, which is based on best practices, to your organization's specific needs Understand the human aspects of process redesign Benefit from all new detailed case studies showing how these methods are implemented

Daily procedures such as scientific experiments and business processes have the potential to create a huge amount of data every day, hour, or even second, and this may lead to a major problem for the future of efficient data search and retrieval as well as secure data storage for the world's scientists, engineers, doctors, librarians, and business managers.

Design, Performance, and Analysis of Innovative Information Retrieval examines a number of emerging technologies that significantly contribute to modern Information Retrieval (IR), as

well as fundamental IR theories and concepts that have been adopted into new tools or systems. This reference is essential to researchers, educators, professionals, and students interested in the future of IR.

The refereed proceedings of the International Conference on Business Process Management, BPM 2003, held in Eindhoven, The Netherlands, in June 2003. The 25 revised full papers presented together with an introductory survey article were carefully reviewed and selected from 77 submissions. Among the issues addressed are Web services, workflow modeling, business process modeling, collaborative computing, computer-supported collaborative work, workflow patterns, business process engineering, business process patterns, workflow systems, Petri nets, process services, business process reengineering,

*Architecture, Engineering
and business process management tools.*

*Management And Maturity
Business Process Excellence*

*10th International Conference, BPM
2012, Tallinn, Estonia, September 3-6,
2012, Proceedings*

The Savvy Manager's Guide

*International Conference, BPM 2003,
Eindhoven, The Netherlands, June 26-27,
2003, Proceedings*

*Business Processes for Business
Communities*

*Perspectives in Business Informatics
Research*

This book is for those
Splunk developers who
want to learn advanced
strategies to deal with
big data from an
enterprise architectural
perspective. You need to

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have good working
knowledge of Splunk.

Business Process
Management (BPM) has
become one of the most
widely used approaches
for the design of modern
organizational and
information systems. The
conscious treatment of
business processes as
significant corporate
assets has facilitated
substantial improvements
in organizational
performance but is also
used to ensure the
conformance of corporate
activities. This

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Architecture, Engineering,
Management, And Maturity

Handbook presents in two volumes the contemporary body of knowledge as articulated by the world' s leading BPM thought leaders. This first volume focuses on arriving at a sound definition of BPM approaches and examines BPM methods and process-aware information systems. As such, it provides guidance for the integration of BPM into corporate methodologies and information systems. Each chapter has been

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Architecture, Engineering,
Management, And Maturity
contributed by leading
international experts.

Selected case studies
complement their views
and lead to a summary of
BPM expertise that is
unique in its coverage
of the most critical
success factors of BPM.

The second edition of
this handbook has been
significantly revised
and extended. Each
chapter has been updated
to reflect the most
current developments.

This includes in
particular new
technologies such as in-

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Architecture, Engineering,
Management, And Maturity

memory data and process management, social media and networks. A further focus of this revised and extended edition is on the actual deployment of the proposed theoretical concepts.

This volume includes a number of entire new chapters from some of the world's leading experts in the domain of BPM.

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Analysis Including
Architecture,
Engineering, Management,
and Maturity

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Process Analysis Including
Architecture, Engineering,
Business Process
Management And Maturity

Modeling, Simulation and
Design, Third Edition
provides students with a
comprehensive coverage
of a range of analytical
tools used to model,
analyze, understand, and
ultimately design
business processes. The
new edition of this very
successful textbook
includes a wide range of
approaches such as
graphical flowcharting
tools, cycle time and
capacity analyses,
queuing models, discrete-
event simulation,

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Architecture, Engineering,
Management And Maturity

simulation-optimization,
and data mining for
process analytics. While
most textbooks on
business process
management either focus
on the intricacies of
computer simulation or
managerial aspects of
business processes, this
textbook does both. It
presents the tools to
design business
processes and management
techniques on operating
them efficiently. The
book focuses on the use
of discrete event
simulation as the main

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tool for analyzing,
modeling, and designing
effective business
processes. The
integration of graphic
user-friendly simulation
software enables a
systematic approach to
create optimal designs.
Handbook of Enterprise
Systems Architecture in
Practice
Concepts, Languages,
Architectures
Delivering Competitive
Advantage
Web Services, Service-
Oriented Architectures,
and Cloud Computing

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Process Analysis Including
Architecture, Engineering,
Enterprise Content
Management And Maturity

Information Systems

Research

25th International

Economic Conference of
Sibiu (IECS 2018)

Business process
management is usually
treated from two
different perspectives:
business administration
and computer science.

While business
administration
professionals tend to
consider information
technology as a
subordinate aspect in

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business process management for experts to handle, by contrast computer science professionals often consider business goals and organizational regulations as terms that do not deserve much thought but require the appropriate level of abstraction. Matthias Weske argues that all communities involved need to have a common understanding of the different aspects of business process management. To this end,

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he details the complete business process lifecycle from the modeling phase to process enactment and improvement, taking into account all different stakeholders involved. After starting with a presentation of general foundations and abstraction models, he explains concepts like process orchestrations and choreographies, as well as process properties and data dependencies. Finally, he presents both

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traditional and advanced
business process

management
architectures, covering,
for example, workflow
management systems,

service-oriented
architectures, and data-
driven approaches. In

addition, he shows how
standards like WfMC,
SOAP, WSDL, and BPEL fit

into the picture. This
textbook is ideally
suited for classes on

business process
management, information
systems architecture,
and workflow management.

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This 3rd edition contains a new chapter on business decision modelling, covering the Decision Model and Notation (DMN) standard; the chapter on process choreographies has been streamlined, and numerous clarifications have been fetched throughout the book. The accompanying website www.bpm-book.com contains further information and additional teaching material.

Some organizations

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significantly outperform others in their industry. They become more agile by adopting smarter work practices and transforming their business processes to be more dynamic, collaborative, and connected. Often, the business processes themselves create competitive advantage. Increased revenue at reduced cost makes more money for a very effective business. Changing market opportunities, customer

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Process Analysis Including
Architecture, Engineering,
Management, And Maturity

demands, new technology and calls for cost reduction can make it seem impossible to keep operational chaos at bay. Competitive advantage is gained when companies reduce operational risk by making sure that internal guidelines and external regulatory requirements are fulfilled. Companies thus offer customers a faster, more accurate and consistent service. To position your organization for

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success, you need the ability to continually optimize, streamline and align business processes to meet changing business needs for greater performance, competitive advantage and to drive growth. The companies whose award-winning case studies are featured in this book have proven excellence in their creative and successful deployment of advanced and business process management concepts. The positive impact to their

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Architecture, Engineering,
Management, And Maturity

corporations includes increased revenues, more productive and satisfied employees, product enhancements, better customer service and quality improvements. This book explores the Business Process Management cycle in theory and practice, from the technical as well as the business point of view. Both the ARIS Platform and the methodical approach of ARIS Value Engineering (AVE) are referred to in detail. More than half

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of the articles are case studies. The book offers valuable ideas to companies on how to optimize their own business processes and thus become more competitive.

Medical and health activities can greatly benefit from the effective use of health informatics. By capturing, processing, and disseminating information to the correct systems and processes, decision-making can be more

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Architecture, Engineering
Management, And Maturity

successful and quality care and patient safety would see significant improvements. The Handbook of Research on Patient Safety and Quality Care through Health Informatics highlights current research and trends from both professionals and researchers on health informatics as applied to the needs of patient safety and quality care. Bringing together theory and practical approaches for patient needs, this book is essential for

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Architecture, Engineering,
Management, And Maturity

educators and trainers
at multiple experience
levels in the fields of
medicine and medical
informatics.

Research Anthology on
Architectures,
Frameworks, and
Integration Strategies
for Distributed and
Cloud Computing
Techniques for Improving
Execution, Adaptability,
and Consistency
Business Process Change
Business Process
Management Design Guide:
Using IBM Business
Process Manager

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Process Analysis Including
Architecture, Engineering,
E-Health and
Management, And Maturity
Telemedicine: Concepts,
Methodologies, Tools,
and Applications

This proceedings volume presents the latest trends in innovative business development theory and practice from a global, interdisciplinary perspective. Featuring selected contributions from the 25th International Economic Conference Sibiu (IECS 2018) held in Sibiu, Romania, it explores various topics in the areas of economics, business, finance and

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Architecture, Engineering,
Management, And Maturity

accounting, including
tourism, marketing and
Islamic banking and finance.
Written by researchers from
different regions and sectors
around the world, it offers
significant insights into the
emerging shifts that
characterize the fields of
innovative economics and
global development,
innovative business
practices, as well as
innovative finance and
banking, and provides
organizations, managers and
policy makers with new
reliable solutions and
opportunities for innovative

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Process Analysis Including
Architecture, Engineering,
Management, And Maturity

development and growth within and between organizations around the globe.

This IBM® Redbooks® publication explains how to combine business process management (BPM) and Enterprise Architecture (EA) for better business outcomes. This book provides a unique synergistic approach to BPM and EA, based on a firm understanding of the life cycles of the enterprise and the establishment of appropriate collaboration and governance processes.

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When carried out together, BPM provides the business context, understanding, and metrics, and EA provides the discipline to translate business vision and strategy into architectural change. Both are needed for sustainable continuous improvement. This book provides thought leadership and direction on the topic of BPM and EA synergies. Although technical in nature, it is not a typical IBM Redbooks publication. The book provides guidance and direction on how to collaborate effectively across

tribal boundaries rather than technical details about IBM software products. The primary audience for this book is leaders and architects who need to understand how to effectively combine BPM and EA to drive, as a key differentiator, continuous improvement and transformational change with enterprise scope.

This book contains a selection of the best papers from WEBIST 2008 (the Fourth International Conference on Web Information Systems and

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Process Analysis Including
Architecture, Engineering,
Management, And Maturity

Technologies), held in Funchal, Madeira, in 2008, organized by the Institute for Systems and Technologies of Information, Control and Communication (INSTICC), and co-sponsored by the Workflow Management Coalition (WfMC). The purpose of the WEBIST series of conferences is to bring together researchers, engineers and practitioners interested in the technological advances and business - plications of web-based information systems. The series focuses on four main topic areas, covering

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different aspects of web information systems, including internet technology; web interfaces and applications; society, e-business, and e-government; and e-learning. WEBIST 2008 received 238 paper submissions from more than 40 countries on all continents. A double-blind review process was enforced, with the help of more than 200 experts from the international Program Committee, each of them specialized in one of the main conference topic areas. After reviewing, 32 papers

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Process Analysis Including
Architecture, Engineering,
Management, And Maturity

were selected to be published and presented as full papers and 64 additional papers, describing work--progress, as short papers for oral presentation only.

Furthermore, 58 papers were presented as posters. The full-paper acceptance ratio was 13%, and the total oral paper acceptance ratio was 40%.

Therefore, we hope that you find the papers included in this book interesting, and we trust they may represent a helpful reference in the future for all those who need to address any of the research areas mentioned

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above.

Web Services, Service-Oriented Architectures, and Cloud Computing is a jargon-free, highly illustrated explanation of how to leverage the rapidly multiplying services available on the Internet. The future of business will depend on software agents, mobile devices, public and private clouds, big data, and other highly connected technology. IT professionals will need to evaluate and combine online services into service-oriented architectures (SOA), often

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depending on Web services and cloud computing. This can mean a fundamental shift away from custom software and towards a more nimble use of semantic vocabularies, middle-tier systems, adapters and other standardizing aspects. This book is a guide for the savvy manager who wants to capitalize on this technological revolution. It begins with a high-level example of how an average person might interact with a service-oriented architecture, and progresses to more detail, discussing

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Process Analysis Including
Architecture, Engineering,
Management, And Maturity

technical forces driving adoption and how to manage technology, culture and personnel issues that can arise during adoption. An extensive reference section provides quick access to commonly used terms and concepts. Broad, non-technical explanation of a technical topic for managers at all levels Only web services book to cover data management and software engineering perspectives; excellent resource for all members of IT teams Provides a set of leadership principles and suggested

Online Library Business
Process Analysis Including
Architecture, Engineering,
Management, And Maturity
applications for using this
technology

Combining Business Process
Management and Enterprise
Architecture for Better
Business Outcomes
Global Implications of
Modern Enterprise
Information Systems:
Technologies and
Applications
Innovative Business
Development—A Global
Perspective
First IFIP WG 8.1 Working
Conference, PoEM 2008,
Stockholm, Sweden,
November 12-13, 2008,
Proceedings

Online Library Business
Process Analysis Including
Architecture, Engineering,
Business Process
Management And Maturity
Management

ARIS in Practice

This book constitutes the proceedings of the 10th International Conference on Business Process Management, BPM 2012, held in Tallinn, Estonia, in September 2012. The 17 regular papers and 7 short papers included in this volume were carefully reviewed and selected from 126 submissions. The book also features two keynote lectures which were given at the

Online Library Business Process Analysis Including

Architecture, Engineering,
Management, And Maturity

conference. The papers are organized in topical sections named: process quality; conformance and compliance; BPM applications; process model analysis; BPM and the cloud; requirements and performance; process mining; and refactoring and optimization.

Distributed systems intertwine with our everyday lives. The benefits and current shortcomings of the underpinning technologies are experienced by a wide

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range of people and their smart devices.

With the rise of large-scale IoT and similar distributed systems, cloud bursting technologies, and partial outsourcing solutions, private entities are encouraged to increase their efficiency and offer unparalleled availability and reliability to their users. The Research Anthology on Architectures, Frameworks, and

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Integration Strategies for Distributed and Cloud Computing is a vital reference source that provides valuable insight into current and emergent research occurring within the field of distributed computing. It also presents architectures and service frameworks to achieve highly integrated distributed systems and solutions to integration and efficient management challenges faced by current and future

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distributed systems. Highlighting a range of topics such as data sharing, wireless sensor networks, and scalability, this multi-volume book is ideally designed for system administrators, integrators, designers, developers, researchers, academicians, and students.

Corporations accumulate a lot of valuable data and knowledge over time, but storing and maintaining this data can be a logistic and

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Architecture, Engineering,
Management, And Maturity

financial headache for business leaders and IT specialists. Uncovering Essential Software Artifacts through Business Process Archaeology introduces an emerging method of software modernization used to effectively manage legacy systems and company operations supported by such systems. This book presents methods, techniques, and new trends on business process archeology as well as some industrial

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Architecture, Engineering,
Management, And Maturity

success stories.

Business experts,
professionals, and
researchers working in
the field of information
and knowledge management
will use this reference
source to efficiently
and effectively
implement and utilize
business knowledge.

"This book covers both
theoretical approaches
and practical solutions
in the processes for
aligning enterprise,
systems, and software
architectures"--Provided
by publisher.

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Architecture, Engineering,
Management And Maturity
The Practice of
Enterprise Modeling

Technologies and

Applications

Handbook of Research on

Patient Safety and

Quality Care through

Health Informatics

Yearbook Business

Process Excellence

2006/2007

Business Impacts and

Developments

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Proceedings

"This book is a valuable

addition to the reading list of executives, managers, and staff in business, government, and other sectors who seek to keep their enterprises agile and efficient as they manage change, implement new business processes and supporting technologies, and pursue important strategic goals"--Provided by publisher. The increasing adoption of Business Process Management (BPM) has inspired pioneering software architects and developers to effectively leverage BPM-based software and process-centric architecture (PCA) to create software systems that enable

essential business processes. Reflecting this emerging trend and evolving field, Process-Centric Architecture
This book collects ECM research from the academic discipline of Information Systems and related fields to support academics and practitioners who are interested in understanding the design, use and impact of ECM systems. It also provides a valuable resource for students and lecturers in the field. "Enterprise content management in Information Systems research - Foundations, methods and cases" consolidates our

current knowledge on how today's organizations can manage their digital information assets. The business challenges related to organizational information management include reducing search times, maintaining information quality, and complying with reporting obligations and standards. Many of these challenges are well-known in information management, but because of the vast quantities of information being generated today, they are more difficult to deal with than ever. Many companies use the term "enterprise content

management” (ECM) to refer to the management of all forms of information, especially unstructured information. While ECM systems promise to increase and maintain information quality, to streamline content-related business processes, and to track the lifecycle of information, their implementation poses several questions and challenges: Which content objects should be put under the control of the ECM system? Which processes are affected by the implementation? How should outdated technology be replaced? Research is

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**challenged to support
practitioners in answering
these questions.**

Since its first edition 15 years ago, Business Process Analysis has become a standard reference work in the library of many business process practitioners. This new edition continues the presentation of a portfolio of analysis techniques essential for any serious business process analysis work - and goes much further. Since those early days, there has been a rapid expansion of approaches to business process work, and most of these are reflected in the book's subtitle:

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architecture, engineering, improvement, management, and maturity. All these (and others) are addressed in the book, discussing the strengths and limitations of each. Whichever way you approach business process work, this book is essential reading for all practitioners because of its breadth and depth of commentary. It is careful to document sources, and has a comprehensive list of relevant material. The book is also essential reading for all students of business processes at final year undergraduate, and master's levels, as it meets relevant

level descriptors. The book contains several innovative ideas, including: information technology is not the only enabling technology for business process improvement: business processes have been improved since time immemorial by the utilization of technology, not only information technology - and this will continue given modern technology convergence; the origin of virtually all approaches to systems analysis (including object-oriented analysis, and relational theory), is identified and documented; diagrammatic approaches to

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analyzing business processes are incapable of yielding models that can be checked for completeness and consistency, particularly as the number of processes increases; increasingly, the issue is not only business processes within an organization - the issue is business processes that cross organizational boundaries and may involve many enterprises; the book calls for a business process epistemology to complement business process ontology. Whatever your view about approaches to business processes, you will find this book stimulating, challenging,

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**comprehensive, and thought
provoking.**

***Process-Centric Architecture
for Enterprise Software
Systems***

***Web Information Systems and
Technologies***

***Concepts, Methodologies,
Tools, and Applications***

***Agility by ARIS Business
Process Management***

***A Guide to the New Standard
for Global E-Commerce***

***Introduction, Methods, and
Information Systems***

**Driven by the need and desire
to reduce costs, organizations
are faced with a set of
decisions that require
analytical scrutiny. Enterprise
Architecture A to Z:**

examines cost-saving trends in architecture planning, administration, and management. To establish a framework for discussion, this book begins by evaluating the role of Enterprise Architecture Planning and Service-Oriented Architecture (SOA) modeling. It provides an extensive review of the most widely deployed architecture framework models. In particular, the book discusses The Open Group Architecture Framework (TOGAF) and the Zachman Architectural Framework (ZAF) in detail, as

well as formal architecture standards and all four layers of these models: the business architecture, the information architecture, the solution architecture, and the technology architecture. The first part of the text focuses on the upper layers of the architecture framework, while the second part focuses on the technology architecture. In this second section, the author presents an assessment of storage technologies and networking and addresses regulatory and security issues. Additional coverage includes high-speed communication mechanisms such as Ethernet, WAN and Internet communication

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**technologies, broadband
communications, and**

**chargeback models. Daniel
Minoli has written a number
of columns and books on the
high-tech industry and has
many years of technical hands-
on and managerial experience
at top financial companies
and telecom/networking
providers. He brings a wealth
of knowledge and practical
experience to these pages. By
reviewing the strategies in
this book, CIOs, CTOs, and
senior managers are
empowered by a set of
progressive approaches to
designing state-of-the-art IT
data centers.**

**Businesses need to adapt
constantly, but are often held**

back by static IT systems. The 'Riva approach to Business Process Management' is a way of analysing the mass of concurrent, collaborative activity that goes on in an organisation, providing a solid basis for developing flexible IT systems that support a business.

This book provides a comprehensive treatment of the rapidly changing world of Web-based business technologies and their often-disruptive innovations. The history of the Web is a short one. Indeed many college graduates today were not even born when the Web first emerged. It is therefore an opportune time to view the

Web as having reached the point of graduation. The Web has led to new ways in which businesses connect and operate, and how individuals communicate and socialize; related technologies include cloud computing, social commerce, crowd sourcing, and the Internet of Things, to name but a few. These developments, including their technological foundations and business impacts, are at the heart of the book. It contextualizes these topics by providing a brief history of the World Wide Web, both in terms of the technological evolution and its resultant business impacts. The book was written for a broad

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audience, including technology managers and students in higher education. It is also intended as a guide for people who grew up with a background in business administration or engineering or a related area but who, in the course of their career paths, have reached a point where IT-related decisions have become their daily business, e.g., in digital transformation. The book describes the most important Web technologies and related business applications, and especially focuses on the business implications of these technologies. As such, it offers a solid technology- and business-focused view on the

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**impact of the Web, and
balances rules and**

**approaches for strategy
development and decision
making with a certain
technical understanding of
what goes on “behind the
scenes.”**

**The Web at Graduation and
Beyond**

**A Rigorous Approach
Frameworks, Business
Process Modeling, SOA, and
Infrastructure Technology
Foundations, Methods and
Cases**