Business Enterprise, Process, and Technology Management: Models and Applications

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Business processes are valuable corporate assets since they directly support corporate business strategies. Business processes, therefore, need to be managed and optimized just as any other business assets. This need has lead to significant advances in the area of Business Process Management (BPM).

Business Enterprise, Process and Technology Management: Models and Applications generates a comprehensive overview of the recent advances in concepts, technologies, and applications that enable advanced business process management in various enterprises. The book can be used by both professionals and academics since it will have contributions from both practitioners and researchers. Additionally, it can be used as a reference when teaching, training, or conducting workshops.

Topics Covered:
- Agile workflow systems
- BPM and service-oriented computing
- Business process architecture
- Business process innovation
- Business process optimization
- Business process services
- Event-based process modeling
- Knowledge workflow systems
- Recent advances in workflow technologies
- Scientific workflow systems
- Time-based process modeling
- Unstructured process modeling
- Verification of business process models
- Workflow-based application integration

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Market: This premier publication is essential for all academic and research library reference collections. It is a crucial tool for academicians, researchers, and practitioners and is ideal for classroom use.
Section 1: Business Process Modeling and Management

Chapter 1
Business-Oriented Process Management
Shan Ming-Chien (SAP Research, USA)

Chapter 2
Business Process Portfolio Management
Clark Shaw (College of Information Sciences and Technology, The Pennsylvania State University, USA)
Cameron Brian (College of Information Sciences and Technology, The Pennsylvania State University, USA)

Chapter 3
Business Process Modeling
Chand Donald R. (Bentley University, USA)
Chircu Alina M. (Bentley University, USA)

Chapter 4
Kim Guurwo (Hanyang National University, Republic of Korea)
Suh Yongmo (Korea University, Seoul, Republic of Korea)

Chapter 5
Business Process Management and Six Sigma
Subramoniam Suresh (College of Engineering, Trivandrum, India)
Shankaranarayan Venky (Singapore Management University, Singapore)
Krishnan K. V. (College of Engineering, Trivandrum, India)
Chinta Ravi (Xavier University, USA)

Section 2: Business Processes and Service Oriented Architecture

Chapter 6
Discrete Event Models for Web Service Processes
Yan Yuhong (Concordia University, Canada)
Haydar May (Université de Montréal, Canada)

Chapter 7
Enhancing E-Commerce Processes with Alerts for Credit Card Payment
Chia Dickson K.W. (Dickson Computer System, Hong Kong)
Yan Winnie N.Y. (The Hong Kong University of Science and Technology, Hong Kong)
Farwick Matthias (Institute of Computer Science, University of Innsbruck, Austria)
Hung Patrick C.K. (University of Ontario Institute of Technology, Canada)

Section 3: Business Process Management Systems

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Integrating and Measuring Business and Technology Services in the Context of Enterprise Architecture
Fehér Péter (Corvinus University of Budapest, Hungary)

Chapter 9
Model-based Validation of Business Processes
Pourshahid Alireza (School of Information Technology and Engineering (SITE), University of Ottawa, Canada)
Peyton Liam (School of Information Technology and Engineering (SITE), University of Ottawa, Canada)
Ghanavat Sepideh (School of Information Technology and Engineering (SITE), University of Ottawa, Canada)
Amyot Daniel (School of Information Technology and Engineering (SITE), University of Ottawa, Canada)
Chen Pengfei (Research in Motion, Canada)
Weiss Michael (Carleton University, Canada)

Chapter 10
On Flexibility in Business Process Management Systems
Deokar Amit (Dakota State University, USA)
Taskin Nazim (Dakota State University, USA)

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Extending Workflows for Knowledge Flow Automation
Saritkari Surendra (Dakota State University, USA)
Zhao J. Leon (City University of Hong Kong, China)

Section 4: Applications of Business Process Management

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Prodan Radu (Institute of Computer Science, University of Innsbruck, Austria)

Chapter 13
Business Process Management in Financial Services
Duran Randall E. (Catena Technologies Pte Ltd, Singapore)

Chapter 14
Business Process Reengineering a Sustained Trend?
Hess Thomas (Institute for Information Systems and New Media at the Munich School of Management, Ludwig-Maximilians-University Munich, Germany)
Schuller Dagmar (Glam Media, Germany)