

1. Record Nr.	UNINA9910958470603321
Titolo	Business process modeling : software engineering, analysis and applications / / Jason A. Beckmann, editor
Pubbl/distr/stampa	Hauppauge, NY, : Nova Science Publishers, c2011
ISBN	1-61942-800-8
Edizione	[1st ed.]
Descrizione fisica	1 online resource (200 p.)
Collana	Business issues, competition and entrepreneurship
Altri autori (Persone)	BeckmannJason A
Disciplina	658.4/034
Soggetti	Management information systems Business - Data processing Workflow - Management
Lingua di pubblicazione	Inglese
Formato	Materiale a stampa
Livello bibliografico	Monografia
Note generali	Includes index.
Nota di contenuto	""BUSINESS PROCESS MODELING: SOFTWARE ENGINEERING, ANALYSIS AND APPLICATIONS ""; ""BUSINESS PROCESS MODELING: SOFTWARE ENGINEERING, ANALYSIS AND APPLICATIONS ""; ""CONTENTS ""; ""PREFACE""; ""PERFORMABILITY-ORIENTED DESCRIPTION AND ANALYSIS OF BUSINESS PROCESSES ""; ""ABSTRACT ""; ""1. INTRODUCTION ""; ""2. BPM BACKGOUND CONCEPTS ""; ""2.1 BPM and Service Oriented Architectures (SOAs) ""; ""2.2 Business Process Management Notation (BPMN) ""; ""2.3 Business Process Execution Language (BPEL) ""; ""3. PERFORMABILITY-ENABLED BPMN (PYBPMN) ""; ""3.1 Metamodel Extension Process "" ""3.2 BPMN Metamodel """"3.3 PyBPMN Metamodel ""; ""4. PYBPMN-BASED PERFORMABILITY PREDICTION OF BUSINESS PROCESSES ""; ""4.1 Performance Prediction""; ""4.2 Reliability Prediction ""; ""4.3 Performability Prediction ""; ""5. EXAMPLE APPLICATION ""; ""CONCLUSIONS ""; ""REFERENCES ""; ""CONCEPTUALIZING, ANALYZING AND COMMUNICATING THE BUSINESS MODEL""; ""ABSTRACT ""; ""INTRODUCTION ""; ""THE BUSINESS MODEL CONCEPT AND A DEFINITION ""; ""CONCEPTUALIZING THE BUSINESS MODEL ""; ""Which Parameters do we need to Understand? ""; ""ANALYZING THE BUSINESS MODEL ""; ""The Analytical Guideline "" ""COMMUNICATING THE BUSINESS MODEL """"GOOD ADVICE ON CONCEPTUALIZING, ANALYZING AND COMMUNICATING THE BUSINESS

MODEL ""; ""1. Describe the Strategy Platform ""; ""2. Create a Connecting Story of Value Creation ""; ""3. Focus on the Connections and the Interrelations ""; ""4. Be Explicit about the Organisation's Whereabouts in the Value Chain ""; ""5. Avoid Empty Expressions and Buzz-Words ""; ""6. Be aware that Transparency has Different Meanings ""; ""7. The Broad Information Channels have the Highest Influence on Transparency ""  
""8. Use the Spread in Consensus Estimates as a Measure of IR Success  
""9. Explain the Business Model as a Forward Oriented Statement "";  
""10. Establish Trust in the Communication through the use of Performance Measures "";  
""CONCLUSION "";  
""REFERENCES "";  
""BUSINESS PROCESS MODELING AND AUTOMATION WITH GENERAL AND DOMAIN SPECIFIC LANGUAGES "";  
""ABSTRACT"";  
""1. INTRODUCTION"";  
""2. THE SPECTRUM OF BUSINESS PROCESS LANGUAGES "";  
""2.1. The Gap between Modeling and Execution "";  
""2.2. Integrating Process Languages with Additional Concerns "";  
""2.3. A Domain Specific Process Language ""  
""3. SOFTWARE ARCHITECTURES FOR SUPPORTING BUSINESS PROCESSES  
""- Service Oriented Architectures"; ""- Semantic Web ""; ""- Model Driven Engineering";  
""3.1. Multi-platform Architecture for Modeling and Executing Processes";  
""3.1.1. Process Management Subsystems "";  
""3.1.2. Subsystems Involved in a Typical Scenario "";  
""3.2. Multi-domain Architecture for Business Processes";  
""3.2.1. The Business Process Composite Domain "";  
""3.2.2. Composition of Control Domain "";  
""4. BUSINESS PROCESS AUTOMATION "";  
""4.1. Automation Based on Successive Transformations of Models ""  
""4.2. Automation Based on Direct Interpretation of Models ""

---

#### Sommario/riassunto

Business process modelling (BPM) is the activity of representing processes of an enterprise so that the current process may be analysed and improved. BPM is typically performed by business analysts and managers who are seeking to improve process efficiency and quality. This book presents current research in the study of business process modelling, including BPM and automation with general and domain specific languages; conceptualising, analysing and communicating the business model and context-aware methods for process modelling.

---