

# Contents

## Execution

Resource Allocation with Dependencies in Business Process Management Systems . . . . .	3
<i>Giray Havur, Cristina Cabanillas, Jan Mendling, and Axel Polleres</i>	
Parent-Child Relation Between Process Instances . . . . .	20
<i>Luise Pufahl and Mathias Weske</i>	
A Hybrid Approach for Flexible Case Modeling and Execution . . . . .	38
<i>Marcin Hewelt and Mathias Weske</i>	
Software Process Performance Improvement Using Data Provenance and Ontology . . . . .	55
<i>Gabriella Castro Barbosa Costa, Cláudia M.L. Werner, and Regina Braga</i>	
Estimating the Cost for Executing Business Processes in the Cloud. . . . .	72
<i>Vincenzo Ferme, Ana Ivanchikj, and Cesare Pautasso</i>	

## Modeling

Identifying Variability in Process Performance Indicators . . . . .	91
<i>Bedilia Estrada-Torres, Adela del-Río-Ortega, Manuel Resinas, and Antonio Ruiz-Cortés</i>	
A Checklist-Based Inspection Technique for Business Process Models. . . . .	108
<i>Rafael Maiani de Mello, Rebeca Campos Motta, and Guilherme Horta Travassos</i>	
Activity Matching with Human Intelligence . . . . .	124
<i>Carlos Rodríguez, Christopher Klinkmüller, Ingo Weber, Florian Daniel, and Fabio Casati</i>	
Process Model Comparison Based on Cophenetic Distance. . . . .	141
<i>David Sánchez-Charles, Victor Muntés-Mulero, Josep Carmona, and Marc Solé</i>	

**Management**

Unlocking the Potential of the Process Perspective in Business Transformation . . . . . 161  
*Greet Bontinck, Öykü Isik, Joachim Van den Bergh, and Stijn Viaene*

Focusing Business Improvements Using Process Mining Based Influence Analysis. . . . . 177  
*Teemu Lehto, Markku Hinkka, and Jaakko Hollmén*

Factors Affecting the Sustained Use of Process Models . . . . . 193  
*Toomas Saarsen and Marlon Dumas*

Business Matter Experts do Matter: A Model-Driven Approach for Domain Specific Process Design and Monitoring . . . . . 210  
*Adrian Mos and Mario Cortes-Cornax*

**Author Index** . . . . . 227



<http://www.springer.com/978-3-319-45467-2>

Business Process Management Forum  
BPM Forum 2016, Rio de Janeiro, Brazil, September  
18-22, 2016, Proceedings  
La Rosa, M.; Loos, P.; Pastor, O. (Eds.)  
2016, XIV, 227 p. 55 illus., Softcover  
ISBN: 978-3-319-45467-2