

Contents

Part I Introduction

What is Business Process Management?	3
Michael Hammer	
Process Management for Knowledge Work	17
Thomas H. Davenport	
The Scope and Evolution of Business Process Management	37
Paul Harmon	
A Framework for Defining and Designing the Structure of Work	83
Geary A. Rummler and Alan J. Ramias	
The Six Core Elements of Business Process Management	107
Michael Rosemann and Jan vom Brocke	

Part II Methods

Six Sigma and Business Process Management	127
Sue Conger	
Business Process Model Abstraction	149
Artem Polyvyanyy, Sergey Smirnov, and Mathias Weske	
Business Process Quality Management	167
Hajo A. Reijers, Jan Mendling, and Jan Recker	

Semantic Business Process Management	187
Jörg Becker, Daniel Pfeiffer, Thorsten Falk, and Michael Räckers	
Analysis and Design of Business Processes Using BPMN	213
Gustav Aagesen and John Krogstie	
Configuration and Management of Process Variants	237
Alena Hallerbach, Thomas Bauer, and Manfred Reichert	
Process Choreography Modelling	257
Alistair Barros, Thomas Hettel, and Christian Flender	
Collaborative Process Modeling: The Intersport Case Study	279
Mikael Lind and Ulf Seigerroth	
Designing Business Processes with a Recommendation-Based Editor	299
Agnes Koschmider and Andreas Oberweis	
Business Process Simulation	313
Wil M.P. van der Aalst, Joyce Nakatumba, Anne Rozinat, and Nick Russell	
BPM Tool Selection: The Case of the Queensland Court of Justice	339
Islay Davies and Micheal Reeves	
Implementing Six Sigma for Improving Business Processes at an Automotive Bank	361
Florian Johannsen, Susanne Leist, and Gregor Zellner	
Part III Process-aware Information Systems	
Workflow Management	387
Chun Ouyang, Michael Adams, Moe Thandar Wynn, and Arthur H.M. ter Hofstede	
A Framework for Designing Resource-Driven Workflows	419
Akhil Kumar and Jianrui Wang	
Service-Enabled Process Management	441
Marlon Dumas and Thomas Kohlborn	
BPM Meets SOA	461
Fred A. Cummins	

Integrated Business Process and Service Management 481
Thomas Gulledege

Business Process Management and Semantic Interoperability 497
Alexander Dreiling

Business Process Management Standards 513
Frank Leymann, Dimka Karastoyanova, and Michael P. Papazoglou

Modelling Interorganizational Business Processes 543
Marco Zapletal, Rainer Schuster, Philipp Liegl, Christian Huemer,
and Birgit Hofreiter

Enterprise 2.0 Meets Business Process Management 565
Sandy Kemsley

Who is Who 575

Index 603