Wil van der Aalst Arthur ter Hofstede
Mathias Weske (Eds.)

Business Process Management

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

Technische Universität Darmstadt
FACHBEREICH INFORMATIK
BIBLIOTHEK
Inventar-Nr.: M03-00300
Sachgebiete:
Standort: A-21 BPM 03

Springer

Table of Contents

Introduction

Business Process Management: A Survey 1
Wil M.P. van der Aalst (Eindhoven University of Technology), Arthur H.M. ter Hofstede (Queensland University of Technology), Mathias Weske (University of Potsdam)

Full Papers

Workflow: A Language for Composing Web Services 13
Giacomo Piccinelli (University College London), Scott Lane Williams (Hewlett-Packard Software & Solutions)

Mining Most Specific Workflow Models from Event-Based Data 25
Guido Schimm (OFFIS)

Evaluation of Correctness Criteria for Dynamic Workflow Changes 41
Stefanie Rinderle, Manfred Reichert, Peter Dadam (University of Ulm)

Integrated Business Process Management: Using State-Based Business Rules to Communicate between Disparate Stakeholders 58
Donald C. McDermid (Edith Cowan University)

Structuring Business Objectives: A Business Process Modeling Perspective 72
Dina Neiger, Leonid Churilov (Monash University)

Use Cases as Workflows 88
Michel Chaudron, Kees van Hee, Lou Somers (Eindhoven University of Technology)

A Model to Support Collaborative Work in Virtual Enterprises 104
Olivier Perrin (ECOO, LORIA), Franck Wynen (ECOO, LORIA), Julia Bitcheva (ECOO LORIA, FTRD), Claude Godart (ECOO, LORIA)

Towards a Library for Process Programming 120
Guangxin Yang (Bell-Labs Research)

Generating a Process Model from a Process Audit Log 136
Mati Golani (IBM – Haifa Research Lab.), Shlomit S. Pinter (IBM – Haifa Research Lab.)

Contracting Workflows and Protocol Patterns 152
Andries van Dijk (Deloitte & Touche Management & ICT Consultants)

Security in Business Process Engineering 168
Michael Backes, Birgit Pfitzmann, Michael Waidner (IBM Zurich Research Laboratory)

Query Nets: Interacting Workflow Modules That Ensure Global Termination 184
Rob J. van Glabbeek, David G. Stork (Ricoh Innovations)

Generic Recurrent Patterns in Business Processes 200
Jan L.G. Dietz (Delft University of Technology)

Personal Schedules for Workflow Systems 216
Johann Eder, Horst Pichler, Wolfgang Gruber, Michael Ninaus (University of Klagenfurt),

A Process-Oriented Model for Authentication on the Basis of a Coloured Petri Net 232
Peter Lory (University of Regensburg)

Pattern Based Workflow Design Using Reference Nets 246
Daniel Moldt, Heiko Rölke (University of Hamburg)

A Model for Process Service Interaction 261
Karim Baïna (LORIA-INRIA-CNRS), Samir Tata (Institut National des Télécommunications/GET France), Khalid Benali (LORIA-INRIA-CNRS) (UMR 7503)

Exception Handling in the BPEL4WS Language 276
Francisco Curbera, Rania Khalaf (IBM TJ Watson Research Center), Frank Leymann (IBM Software Group), Sanjiva Weerawarana (IBM TJ Watson Research Center)

Ratios to Support the Exploration of Business Process Models 291
Andreas Dietzsch (Schweizerische Mobiliar Versicherungsgesellschaft)

Integrating Business Process Reengineering with Information Systems Development: Issues & Implications 302
Vishanth Weerakkody, Wendy Currie (Brunel University)

Undo in Workflow Management Systems 321
Alessandra Agostini (University of Milano), Giorgio De Michelis, Marco Loregian (University of Milano Bicocca)

A Top-Down Petri Net-Based Approach for Dynamic Workflow Modeling 336
Piotr Chrzgstowski-Wachtel (Warsaw University), Boualem Benatallah, Rachid Hamadi (The University of New South Wales), Milton O'Dell (Justwin Technologies Pty Ltd), Adi Susanto (The University of New South Wales)

A Case-Based Framework for Workflow Model Management 354
Therani Madhusudan, J. Leon Zhao
(University of Arizona)

Tool Papers

ADEPT Workflow Management System: Flexible Support for Enterprise-Wide Business Processes 370
Manfred Reichert, Stefanie Rinderle, Peter Dadam
(University of Ulm)

Modelling and Validation with VipTool 380
Jörg Desel, Gabriel Juhás, Robert Lorenz, Christian Neumair
(Catholic University of Eichstätt)

Author Index 391