

Table of Contents

BPD Workshop

Introduction to the Fourth Workshop on Business Process Design (BPD 2008)	3
<i>Hajo A. Reijers, Selma Limam Mansar, and Michael Rosemann</i>	
Detecting Regulatory Compliance for Business Process Models through Semantic Annotations	5
<i>Guido Governatori, Jörg Hoffmann, Shazia Sadiq, and Ingo Weber</i>	
Crosscutting Concern Documentation by Visual Query of Business Processes	18
<i>Chiara Di Francescomarino and Paolo Tonella</i>	
Real Support for Perspective-Compliant Business Process Design	32
<i>Agnes Koschmider, Francois Habryn, and Florian Gottschalk</i>	
Elicitation of Requirements for a Business Process Model Repository ...	44
<i>Khurram Shahzad, Birger Andersson, Maria Bergholtz, Ananda Edirisuriya, Tharaka Ilayperuma, Prasad Jayaweera, and Paul Johannesson</i>	
Issues in Modeling Process Variants with Provop	56
<i>Alena Hallerbach, Thomas Bauer, and Manfred Reichert</i>	
On the Alignment of Business Models and Process Models	68
<i>Ananda Edirisuriya and Paul Johannesson</i>	
Dimensions of Business Processes Quality (QoBP)	80
<i>Mitra Heravizadeh, Jan Mendling, and Michael Rosemann</i>	

BPI Workshop

Introduction to the Fourth International Workshop on Business Process Intelligence (BPI 2008)	95
<i>Malu Castellanos, Ana Karla Alves de Medeiros, Jan Mendling, and Barbara Weber</i>	
Bayesian Classification of Events for Task Labeling Using Workflow Models	97
<i>Scott Buffett and Liqiang Geng</i>	
Trace Clustering in Process Mining	109
<i>Minseok Song, Christian W. Günther, and Wil M.P. van der Aalst</i>	

Mining Based on Learning from Process Change Logs	121
<i>Chen Li, Manfred Reichert, and Andreas Wombacher</i>	
Checking Compliance of Execution Traces to Business Rules	134
<i>Federico Chesani, Paola Mello, Marco Montali, Fabrizio Riguzzi, Maurizio Sebastianis, and Sergio Storari</i>	
Detecting Intrinsic Inefficiency on Process Level: Benchmarking of Transactions in Banking	146
<i>Andreas Burger and Jürgen Moormann</i>	
Abductive Workflow Mining	158
<i>Scott Buffett and Bruce Hamilton</i>	
New Quality Metrics for Evaluating Process Models	164
<i>Zan Huang and Akhil Kumar</i>	

MDE4BPM Workshop

Introduction to the First International Workshop on Model-Driven Engineering for Business Process Management (MDE4BPM 2008)	173
<i>Cesare Pautasso and Jana Koehler</i>	
Business to IT Transformations Revisited	176
<i>Sebastian Stein, Stefan Kühne, and Konstantin Ivanov</i>	
A Model-Driven Approach to Implementing Coordination Protocols in BPEL	188
<i>Oliver Kopp, Branimir Wetzstein, Ralph Mietzner, Stefan Pottinger, Dimka Karastoyanova, and Frank Leymann</i>	
Towards Transformations from BPMN to Heterogeneous Systems	200
<i>Tobias Küster and Axel Heßler</i>	
Business Process Modelling with Continuous Validation	212
<i>Stefan Kühne, Heiko Kern, Volker Gruhn, and Ralf Laue</i>	
On the Formal Generation of Process Redesigns	224
<i>Mariska Netjes, Hajo A. Reijers, and Wil M.P. van der Aalst</i>	
Translating BPMN Models into UML Activities	236
<i>María Agustina Cibrán</i>	

PM4HDPS Workshop

Introduction to the First International Workshop on Process Management for Highly Dynamic and Pervasive Scenarios (PM4HDPS 2008)	251
<i>Massimiliano de Leoni, Shahram Dustdar, and Arthur H.M. ter Hofstede</i>	

Towards Process Models for Disaster Response	254
<i>Dirk Fahland and Heiko Woith</i>	
Workflows in Dynamic Development Processes	266
<i>Thomas Heer, Christoph Briem, and René Wörzberger</i>	
Hypergraph-Based Modeling of Ad-Hoc Business Processes	278
<i>Artem Polyvyanny and Mathias Weske</i>	
Domain-Driven Process Adaptation in Emergency Scenarios	290
<i>Marcello La Rosa and Jan Mendling</i>	
Supporting Emergency Management through Process-Aware Information Systems	298
<i>Dirk Hagebölling and Massimiliano de Leoni</i>	

ProHealth Workshop

Introduction to the Second International Workshop on Process-Oriented Information Systems in Healthcare (ProHealth 2008)	305
<i>Richard Lenz, Mor Peleg, and Manfred Reichert</i>	
Process Mining in Healthcare: A Contribution to Change the Culture of Blame	308
<i>Silvana Quaglini</i>	
A Concept for the Assessment of Electronic Communication in Integrated Information Systems	312
<i>Samrend Saboor and Elske Ammenwerth</i>	
Management of Knowledge-Intensive Healthcare Processes on the Example of General Medical Documentation	324
<i>Danny Ammon, Dirk Hoffmann, Tobias Jakob, Ekkehard Finkeissen, Vesko Detschew, and Thomas Wetter</i>	
From Paper Based Clinical Practice Guidelines to Declarative Workflow Management	336
<i>Karen Marie Lyng, Thomas Hildebrandt, and Raghava Rao Mulkamala</i>	
Petri Nets as a Formalism for Comparing Expressiveness of Workflow-Based Clinical Guideline Languages	348
<i>María Adela Grando, David W. Glasspool, and John Fox</i>	
Flexibility Schemes for Workflow Management Systems	361
<i>R.S. Mans, W.M.P. van der Aalst, N.C. Russell, and P.J.M. Bakker</i>	
Integrating Healthcare Ontologies: Inconsistency Tolerance and Case Study	373
<i>Fahim Imam and Wendy MacCaull</i>	

Promoting Process-Based Collaboration Awareness to Integrate Care Teams	385
<i>Federico Cabitza, Marco P. Locatelli, and Carla Simone</i>	
Session-Aware Clinical Information Systems	397
<i>Øystein Nytrø, Inger Dybdahl Sørby, and Ole A. Alsos</i>	
Integrating Humans, Devices, and Events in Clinical Workflow Processes	408
<i>Jan-Christian Kuhr, Jan Pretzel, Dierk A. Vagts, and Lachlan Aldred</i>	

QSWs Workshop

Introduction to the First Workshop on QoS in Self-healing Web Services (QSWs 2008)	419
<i>Liliana Ardissono, Danilo Ardagna, and Khalil Drira</i>	
On Modeling and Maximizing Business Value for Autonomic Service-Oriented Systems	422
<i>Vladimir Tasic</i>	
On Combining WS-Policy4MASC and ASF to Support Business-Driven Autonomic Service-Oriented Computing	434
<i>Vladimir Tasic, Yan Liu, and Liming Zhu</i>	
Self-healing Systems and Web Services: The WS-Diamond Approach ...	440
<i>Barbara Pernici</i>	
Probabilistic Time Management of Choreographies	443
<i>Johann Eder, Horst Pichler, and Amirreza Tahamtan</i>	
Reasoning about Repairability of Workflows at Design Time	455
<i>Gaston Tagni, Annette ten Teije, and Frank van Harmelen</i>	
Enhancing Web Service Composition by Means of Diagnosis	468
<i>Liliana Ardissono, Stefano Bocconi, Luca Console, Roberto Furnari, Anna Goy, Giovanna Petrone, Claudia Picardi, Marino Segnan, and Daniele Theseider Dupré</i>	

semantics4ws Workshop

Introduction to the Third Edition of the Workshop Advances in Semantics for Web Services 2008 (semantics4ws 2008)	483
<i>Steven Battle, John Domingue, Martin Hepp, and Dumitru Roman</i>	
Semantically Annotated EPC within Semantic Business Process Management	486
<i>Agata Filipowska, Monika Kaczmarek, and Sebastian Stein</i>	

ARIS for Semantic Business Process Management	498
<i>Sebastian Stein, Christian Stamber, and Marwane El Kharbili</i>	
Auto-completion for Executable Business Process Models	510
<i>Matthias Born, Christian Brelage, Ivan Markovic, Daniel Pfeiffer, and Ingo Weber</i>	
Service Discovery in Ubiquitous Environments: Approaches and Requirements for Context-Awareness	516
<i>Mohamed Sellami, Samir Tata, and Bruno Defude</i>	
Ontology-Based Data Mediation in BPEL (For Semantic Web Services)	523
<i>Jörg Nitzsche and Barry Norton</i>	
A Framework for Dependency Based Automatic Service Composition ...	535
<i>Abrehet M. Omer and Alexander Schill</i>	
Ontology-Based Behavioural Reasoning for Business Processes	542
<i>Barry Norton</i>	

CBP Workshop

Introduction to the Second Workshop on Collaborative Business Processes (CBP 2008)	557
<i>Chengfei Liu, Wasim Sadiq, and Xiaohui Zhao</i>	
Quality Contracts for Cooperative Services and Associated Resources ...	561
<i>Marco Comuzzi, Mariagrazia Fugini, and Stefano Modafferi</i>	
Recursive Construction and Evolution of Collaborative Business Processes	573
<i>Nikolay D. Mehandjiev, Iain D. Stalker, and Martin R. Carpenter</i>	
Towards a BPMN Semantics Using UML Models	585
<i>Oana Nicolae, Mirel Cosulschi, Adrian Giurca, and Gerd Wagner</i>	
Distribution and Composition of Collaborative Business Processes through Peer-to-Peer Networks	597
<i>Dirk Werth, Philipp Walter, and Peter Loos</i>	
Dynamic Selection of Service Peers with Multiple Property Specifications	609
<i>Jun Shen, Shuai Yuan, and Aneesh Krishna</i>	
Characterization of Methods for Process-Oriented Engineering of SOA	621
<i>Jan Ricken and Michaël Petit</i>	

A Case Study of Business Process Interoperability in a Logistics Supply Chain Environment	633
<i>Simon Martin and Laurent Bagnoud</i>	

BPMS2 Workshop

Introduction to the First International Workshop on Business Process Management and Social Software (BPMS2 2008)	647
<i>Selmin Nurcan and Rainer Schmidt</i>	
BPM and Social Software	649
<i>Rainer Schmidt and Selmin Nurcan</i>	
Business Process Management with Social Software Systems – A New Paradigm for Work Organisation	659
<i>Paul Johannesson, Birger Andersson, and Petia Wohed</i>	
Social Software for Modeling Business Processes	666
<i>Agnes Koschmider, Minseok Song, and Hajo A. Reijers</i>	
Automating Knowledge Transfer and Creation in Knowledge Intensive Business Processes	678
<i>Michael Granitzer, Gisela Granitzer, Klaus Tochtermann, Stefanie Lindstaedt, Andreas Rath, and Wolfgang Groß</i>	
Digital Identity and Reputation in the Context of a Bounded Social Ecosystem	687
<i>Ben Jennings and Anthony Finkelstein</i>	
From a Social Wiki to a Social Workflow System	698
<i>Gustaf Neumann and Selim Erol</i>	
Utilizing Firm-Hosted Online Communities in Software Product Business: A Dimensional View	709
<i>Sami Jantunen, Kari Smolander, Sanna Malinen, Tytti Virtanen, and Sari Kujala</i>	
Workflow Enactment in a Social Software Environment	716
<i>Davide Rossi and Fabio Vitali</i>	
Author Index	723