Contents

9th International Workshop on Business Process Intelligence (BPI 2013)

Discovering and Navigating a Collection of Process Models Using Multiple Quality Dimensions. ................................................................. 3
  J.C.A.M. Buijs, B.F. van Dongen, and Wil M.P. van der Aalst

Discovering Stochastic Petri Nets with Arbitrary Delay Distributions from Event Logs. ................................................................. 15
  Andreas Rogge-Solti, Wil M.P. van der Aalst, and Mathias Weske

Discovering Unbounded Synchronization Conditions in Artifact-Centric Process Models. ................................................................. 28
  Viara Popova and Marlon Dumas

Uncovering the Relationship Between Event Log Characteristics and Process Discovery Techniques ......................................................... 41
  Seppe K.L.M. vanden Broucke, Cédric Delvaux, João Freitas, Taisiia Rogova, Jan Vanthienen, and Bart Baesens

Process Remaining Time Prediction Using Query Catalogs .................. 54
  Alfredo Bolt and Marcos Sepúlveda

Discovering Block-Structured Process Models from Event Logs Containing Infrequent Behaviour. ......................................................... 66
  Sander J.J. Leemans, Dirk Fahland, and Wil M.P. van der Aalst

Report: Business Process Intelligence Challenge 2013. ..................... 79
  B.F. van Dongen, B. Weber, D.R. Ferreira, and J. De Weerdt

6th Workshop on Business Process Management and Social Software (BPMS2 2013)

Enabling Workflow Composition Within a Social Network Environment . . 91
  Ourania Hatzi, Despina Topali, Mara Nikolaidou, and Dimosthenis Anagnostopoulos

Towards a Meta-Model for Goal-Based Social BPM. ....................... 104
  Mohammad Ehson Rangiha and Bill Karakostas

An Experiment on the Capture of Business Processes from Knowledge Workers ................................................................. 113
  David Martinho and António Rito Silva
Marco Santorum, Agnèse Front, and Dominique Rieu

2nd Workshop on Data- and Artifact-Centric BPM (DAB 2013)

Towards a Reference Implementation for Data Centric Dynamic Systems... 141
Alessandro Russo, Massimo Mecella, Marco Montali, and Fabio Patrizi

Synthesizing Object-Centric Models from Business Process Models ........ 155
Rik Eshuis and Pieter van Gorp

Activity-Centric and Artifact-Centric Process Model Roundtrip ............. 167
Andreas Meyer and Mathias Weske

1st Workshop on Decision Mining and Modeling for Business Processes
(DeMiMoP 2013)

Automatic Generation of Business Process Models Based on Attribute
Relationship Diagrams ................................................................. 185
Krzysztof Kluza and Grzegorz J. Nalepa

Enriching Business Process Models with Decision Rules ...................... 198
Semra Catalkaya, David Knuplesch, Carolina Chiao, and Manfred Reichert

Validating and Enhancing Declarative Business Process Models Based
on Allowed and Non-occurring Past Behavior .................................. 212
Seppe K.L.M. vanden Broucke, Filip Caron, Jan Vanthienen, and Bart Baesens

Constructing Decision Trees from Process Logs for Performer
Recommendation ............................................................................. 224
Aekyung Kim, Josue Obregon, and Jae-Yoon Jung

An Exploratory Approach for Understanding Customer Behavior Processes
Based on Clustering and Sequence Mining ........................................... 237
Alex Seret, Seppe K.L.M. vanden Broucke, Bart Baesens, and Jan Vanthienen

1st Workshop on Emerging Topics in BPM (ETBPM 2013)

The Design of a Workflow Recommendation System for Workflow as a Service
in the Cloud ................................................................................. 251
Dingxian Wang, Xiao Liu, Zheng He, and Xiaoliang Fan

Business Process Assignment and Execution from Cloud to Mobile ........ 264
Tao Peng, Marco Ronchetti, Jovan Stevovic, Annamaria Chiasera, and Giampaolo Armellin
Monitoring of Business Processes with Complex Event Processing

Susanne Bülow, Michael Backmann, Nico Herzberg, Thomas Hille, Andreas Meyer, Benjamin Ulm, Tsun Yin Wong, and Mathias Weske

Bringing Semantics to Aspect-Oriented Business Process Management

Aldinei Bastos, Flávia Maria Santoro, and Sean Wolfgang Matsui Siqueira

3rd Workshop on Process-Aware Logistics Systems (PALS 2013)

Towards the Enhancement of Business Process Monitoring for Complex Logistics Chains

Cristina Cabanillas, Anne Baumgrass, Jan Mendling, Patricia Rogetzer, and Bruno Bellovoda

Investigating Service Behavior Variance in Port Logistics from a Process Perspective

Ying Wang, Filip Caron, Jan Vanthienen, Lei Huang, and Yi Guo

A Petri Net Approach for Green Supply Chain Network Modeling and Performance Analysis

Mi Pan and Weimin Wu

Towards a DSL-Based Approach for Specifying and Monitoring Home Care Plans

K. Gani, M. Bouet, M. Schneider, and F. Toumani

Urban Congestion: Arrangement Aamriw Intersection in Bejaia’s City

N. Guerrouahane, S. Bouzouzou, L. Bouallouche-Medjkoune, and D. Aissani

Supply Chain Uncertainty Under ARIMA Demand Process

Mi Pan and Weimin Wu

4th Workshop on Process Model Collections: Management and Reuse (PMC-MR 2013)

Methods for Evaluating Process Model Search

Matthias Kunze and Mathias Weske

Decomposition and Hierarchization of EPCs: A Case Study

Jürgen Walter, Peter Fettke, and Peter Loos

Process Model Fragmentization, Clustering and Merging: An Empirical Study

Xiang Gao, Yurong Chen, Zizhe Ding, Meng Wang, Xiaonan Zhang, Zhiqiang Yan, Lijie Wen, Qinlong Guo, and Ran Chen
Towards Measuring Process Model Granularity via Natural Language Analysis
Henrik Leopold, Fabian Pittke, and Jan Mendling

Automatic Extraction of Process Categories from Process Model Collections
Monika Malinova, Remco Dijkman, and Jan Mendling

Ugur Cayoglu, Remco Dijkman, Marlon Dumas, Peter Fettke, Luciano García-Bañuelos, Philip Hake, Christopher Klinkmüller, Henrik Leopold, André Ludwig, Peter Loos, Jan Mendling, Andreas Oberweis, Andreas Schoknecht, Eitam Sheetrit, Tom Thaler, Meike Ullrich, Ingo Weber, and Matthias Weidlich

2nd Workshop on Security in Business Processes (SBP 2013)
Keynote: Specification and Conflict Detection for GTRBAC in Multi-domain Environment
Ning Bao, Heijiao Huang, and Hongwei Du

Multi-dimensional Secure Service Orchestration
Gabriele Costa, Fabio Martinelli, and Artsiom Yautsiukhin

Explication of Termination Semantics as a Security-Relevant Feature in Business Process Modeling Languages
Jens Gulden

Supporting Domain Experts to Select and Configure Precise Compliance Rules
Elham Ramezani, Dirk Fahland, and Wil M. P. van der Aalst

Short Paper: A Framework for the Privacy Access Control Model
Sandugash Askarova, Darkhan Mukhatov, Altynbek Sharipbayev, and Dina Satybaldu

Short Paper: Role-Based Access Control for Securing Dynamically Created Documents
Kaarel Tark and Raimundas Matulevičius

2nd Workshop on Theory and Applications of Process Visualization (TAProVis 2013)
Short Paper: Towards Enhancing Business Process Monitoring with Sonification
Tobias Hildebrandt

A Navigation Metaphor to Support Mobile Workflow Systems
Jorge Cardoso, Stefan Jablonksi, and Bernhard Volz
Business Process Management Workshops
BPM 2013 International Workshops, Beijing, China, August 26, 2013, Revised Papers
Lohmann, N.; Song, M.; Wohed, P. (Eds.)
2014, XLI, 564 p. 205 illus., Softcover
ISBN: 978-3-319-06256-3