BPM 2010

September 13-17, 2010
Stevens Institute of Technology, Hoboken, NJ

CONFERENCE PROGRAM

Supported by

STEVENS
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BPM 2010

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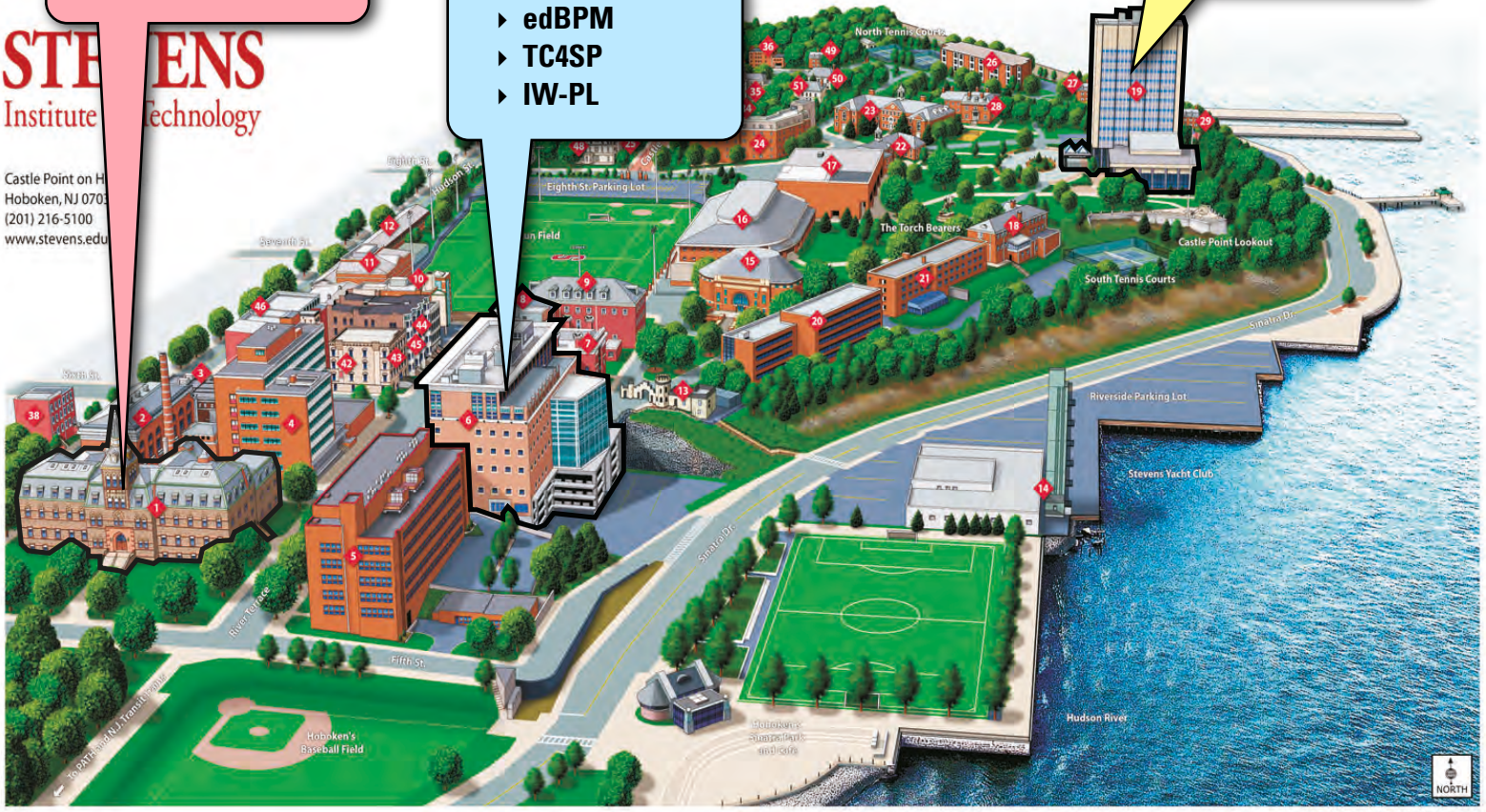
KEY LOCATION GUIDE

EA STEVENS BUILDING
- Keynotes
- Fireside Chats
- Demo Presentations
- Workshops:
  - BPD
  - BPMS2

BABBIO CENTER
- Registration
- AM/PM Breaks
- Workshops
- Sponsor Exhibits
- Workshops:
  - edBPM
  - TC4SP
  - IW-PL

HOWE CENTER
- Lunch
- PM Breaks
- Welcome Party
- Tutorials
- Workshops:
  - BPI
  - rBPM
  - CEC-PAW
  - SusBPM



Produced and last updated for Stevens in April 2008 by mapformation

Buildings and Facilities:
1. Edwin A. Stevens Hall
2. Carnegie Laboratory
3. Lieb Building
4. Burchard Building
5. McLean Hall
6. Babbio Center
7-8-9. Morton-Pierce-Kidde Complex
10. Rocco Technology Center
11. Nicholl Environmental Laboratory
12. Davidson Laboratory
13. Gatehouse (Campus Police)
14. Griffith Building and Building Technology Tower
15. Walker Gymnasium
16. Schaefer Athletic and Recreation Center
17. Samuel C. Williams Library and Computer Center
18. Jacobus Student Center
19. Wesley J. Howe Center and Visitors Information Desk
27. Hoxie House
28. Alexander House
29. Colonial House
46. 607-614 Hudson St.
47. 901 Hudson St.
48. 800 Castle Point Terrace
49. 2 Ninth St.
50. Pollara House
51. Pond House

Fraternities:
30. Chi Phi - 801 Hudson St.
31. Chi Psi - 804 Castle Point Terrace
32. Sigma Nu - 806 Castle Point Terrace
33. Beta Theta Pi - 812 Castle Point Terrace
34. Theta Xi - 805 Castle Point Terrace
35. Delta Tau Delta - 809 Castle Point Terrace
36. Alpha Sigma Phi - 903 Castle Point Terrace
37. Phi Sigma Kappa - 837 Hudson St.
38. Sigma Phi Epsilon - 528-530 Hudson St.

Sororities:
39. Omicron Pi - 831 Castle Point Terrace
40. Delta Phi Epsilon - 808 Castle Point Terrace
41. Phi Sigma Sigma - 835 Castle Point Terrace

Residence Halls:
20. Davis Hall
21. Hayden Hall
22. Palmer Hall
23. Humphreys Hall
24. Jonas Hall
25. Lore-El Center
26. Castle Point Apartments

River Terrace Suites:
42. 600 River Terrace
43. 602 River Terrace
44. Gibb House - 604 River Terrace
45. 606 River Terrace

Off-Campus Residence Halls Not Shown:
733 Jefferson Street
Avenue Apartments at 538 Washington Street

BPM 2010 AGENDA

MONDAY 9.13.10

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AM/PM	All Day Workshops					Half Day Workshops		
7:30-9:00	Registration & Morning Coffee							Babbio Center Atrium
9:00-10:30	6th International Workshop on Business Process Design (BPD'10) DeBaun Auditorium, EAS Building	6th International Workshop on Business Process Intelligence (BPI'10) Skyline Room, Howe Center, 4th Floor	1st International Workshop on Reuse in Business Process Management (rBPM'10) Fielding Room, Howe Center, 3rd Floor	3rd Workshop on Business Process Management and Social Software (BPMS2'10) EAS 130, EAS Building	4th International Workshop on Event-Driven Business Process Management (edBPM'10) Babbio 641, 6th Floor	1st International Workshop on Traceability and Compliance of Semi-Structured Processes (TC4SP'10) Babbio 430, 4th Floor		
10:30-11:00	Coffee Break							Babbio Center Atrium and Bissinger Room, 4th Floor, Howe Center
11:00-12:30	BPD Continued	BPI Continued	rBPM Continued	BPMS2 Continued	edBPM Continued	TC4SP Continued		
12:30-2:00	Networking Lunch							Bissinger Room, 4th Floor, Howe Center
2:00-3:30	BPD Continued	BPI Continued	rBPM Continued	BPMS2 Continued	edBPM Continued **X 414, McLean Building**	1st International Workshop "Process in the Large" (IW-PL'10) Babbio 430, 4th Floor	1st International Workshop on Business Process Management and Sustainability (SusBPM'10) Calder Room, Howe Center, 3FL	1st International Workshop on Cross Enterprise Collaboration, People, and Work (CEC-PAW) Babbio 641, 6th Floor
3:30-4:00	Coffee Break							Babbio Center Atrium and Bissinger Room, 4th Floor, Howe Center
4:00-5:30	BPD Continued	BPI Continued	rBPM Continued	BPMS2 Continued	edBPM Continued	IW-PL Continued	SusBPM Continued	CEC-PAW Continued
7:00-10:00	**Conference Welcome Reception**							Bissinger Room, 4th Floor, Howe Center

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MONDAY 9.13.10

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ALL DAY WORKSHOP
BUSINESS PROCESS INTELLIGENCE (BPI)

Skyline Room, 4th Floor, Howe Center

09:00 – 09:10	Introduction by Workshop Organizers
09:10 – 10:00	**Keynote:** Process Analytics and Intelligence - Semantics and other Frontiers. Michael zur Muehlen (Stevens Institute of Technology)
10:00 – 10:30	PLG: a Framework for the Generation of Business Process Models and their Execution Logs. Andrea Burattin and Alessandro Sperduti
10:30 – 11:00	**Coffee Break**
11:00 – 11:30	Mining Context-Dependent and Interactive Business Process Maps using Execution Patterns Jiafei Li, R.P. Jagadeesh Chandra Bose and Wil M.P. van der Aalst.
11:30 – 12:00	A critical evaluation study of model-log metrics in Process Discovery Jochen De Weerdt, Manu De Backer, Jan Vanthienen and Bart Baesens.
12:00 – 12:30	User Assistance During Process Execution - An Experimental Evaluation of Recommendation Strategies Christian Haisjackl and Barbara Weber.
12:30 – 02:00	**Lunch Break**
02:00 – 02:30	Towards Robust Conformance Checking Arya Adriansyah, B.F. van Dongen and W.M.P. van der Aalst.
02:30 – 03:00	Run-time Monitoring and Auditing for Business Processes Data using Constraints. María Teresa Gómez-lópez and Rafael M. Gasca.
03:00 – 03:30	BPAF: A Standard for the Interchange of Process Analytics Data Michael zur Muehlen and Keith Swenson.
03:30 – 04:00	**Coffee Break**
04:00 – 04:20	Revising Process Models through Inductive Learning Fabrizio Maria Maggi, Domenico Corapi, Alessandra Russo, Emil Lupu and Giuseppe Visaggio.
04:20 – 04:40	Improving the Diagnosability of Business Process Management Systems Using Test Points Diana Borrego Núñez, María Teresa Gómez-lópez, Rafael M. Gasca and Rafael Ceballos.
04:40 – 05:00	Toward Obtaining Event Logs from Legacy Code Ricardo Pérez-Castillo, Barbara Weber, Ignacio García-Rodríguez de Guzmán and Mario Piattini.
05:00 – 05:20	Dimensions of Business Process Intelligence Markus Linden, Carsten Felden and Peter Chamoni.
05:20 – 05:30	Closing Remarks

BPM 2010 AGENDA

MONDAY 9.13.10

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ALL DAY WORKSHOP

BUSINESS PROCESS DESIGN (BPD)

DeBaun Auditorium, E.A. Stevens Building

09:00 – 09:30	Opening Session
09:30 – 10:00	What You See And Do Is What You Get: A Human-Centric Design Approach to Human-Centric Process. Gal Shachor, Yoav Rubin, Nili Guy, Yael Dubinsky, Maya Barnea, Samuel Kallner and Ariel Landau.
10:00 – 10:30	Supporting Context-Aware Process Design: Learnings from a Design Science Study. Karsten Ploesser, Jan Recker and Michael Rosemann
10:30 – 11:00	**Coffee Break**
11:00 – 11:30	Increasing business process orientation – critical success factors and practices. Peter Trkman and Rok Skrinjar
11:30 – 12:00	Corporate Culture in Line with Business Process Orientation and its Impact on Organizational Performance. Markus Kohlbacher, Stefan Gruenwald and Ernst Kreuzer
12:00 – 12:30	Measuring the Understandability of Business Process Models – Are We Asking the Right Questions? Ralf Laue and Andreas Gadatsch
12:30 – 02:00	**Lunch Break**
02:00 – 02:30	An Exploratory Study of IT-enabled Collaborative Process Modeling. Christopher Hahn, Jan Recker and Jan Mendling.
02:30 – 03:00	Interactive Business Modeling with BusinessMapper and Dependency Modeling Language (DML). Sebastian Reinisch, Robert Mertens, Aliasghar Esteghlal, Frank Ruwolt and Martin Jähne
03:00 – 03:30	Agent Assignment for Process Management: Goal Modeling for Continuous Resource Management. Ramzan Talib, Bernhard Volz and Stefan Jablonski
03:30 – 04:00	**Coffee Break**
04:00 – 04:30	Temporal Specification of Business Processes through Project Planning Tools. Camilo Flores and Marcos Sepúlveda
04:30 – 05:00	Business Process Compliance Tracking Using Key Performance Indicators. Azalia Shamsaei, Alireza Pourshahid and Daniel Amyot
05:00 – 05:30	Discussion and Closing

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MONDAY 9.13.10

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ALL DAY WORKSHOP

REUSE IN BUSINESS PROCESS MANAGEMENT (rBPM)

Fielding Room, 4th Floor, Howe Center

09:00 – 10:00	**Keynote**: Fostering Reuse in the Business Process Lifecycle: Challenges, Methods, Technologies: Manfred Reichert (Germany)
10:00 – 10:15	A Framework for Modeling and Enabling Reuse of Best Practice IT Processes Hamid Reza Motahari Nezhad, Sven Graupner and Claudio Bartolini (USA)
10:15 – 10:30	Managing Process Assets in a Global IT Service Delivery Environment Melissa Buco, Hani Jamjoom, Tom Parsons and Scott Schorno (USA)
10:30 – 11:00	**Coffee Break**
11:00 – 11:30	Business Process Model Retrieval based on Graph Indexing Method Daniel F. R. Burbano, David S. Corchuelo, Cristhian Nicolás F. Martínez, Juan Carlos Corrales and Rosalba Giugno (Colombia and Italy)
11:30 – 12:00	Object-Sensitive Action Patterns in Process Model Repositories Sergey Smirnov, Matthias Weidlich, Jan Mendling and Mathias Weske (Germany)
12:00 – 12:30	On Reusing Data Mining in Business Processes - A Pattern-based Approach Dennis Wegener and Stefan Rueping (Germany)
12:30 – 02:00	**Lunch Break**
02:00 – 02:30	Configuration of Multi-Perspectives Variants Stephanie Meerkamm (Germany)
02:30 – 03:00	On Maintaining Consistency of Process Model Variants Emilian Pascalau, Ahmed Awad, Sherif Sakr and Mathias Weske (Germany and Australia)
03:00 – 03:30	Reuse-Oriented Business Process Modelling Based on a Hierarchical Structure Wassim Derguech and Sami Bhiri (Ireland)
03:30 – 04:00	**Coffee Break**
04:00 – 04:30	Business Process Families Using Model-driven Techniques Vinay Kulkarni and Souvik Barat (India)
04:30 – 05:00	Business Process Model Discovery using Semantics Gabriela Vulcu, Wassim Derguech and Sami Bhiri (Ireland)
05:00 – 05:30	Name-based View Integration for Enhancing the Reusability in Process-driven SOAs Huy Tran, Uwe Zdun and Schahram Dustdar (Austria)
05:30 – 06:00	Workshop Discussion and Closing

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MONDAY 9.13.10

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ALL DAY WORKSHOP
BUSINESS PROCESS MANAGEMENT AND SOCIAL SOFTWARE (BPMS2)

EAS 130, E.A. Stevens Building

09:00 – 09:30	Selmin Nurcan, Rainer Schmidt: Welcome and Introduction
09:30 – 10:00	Rainer Schmidt: The path to BPM 2.0 ? Combining Social Software and Business Process Management
10:00 – 10:30	Ben Jennings and Anthony Finkelstein. Implicit Social Production: Utilising Socially Generated Data By-Products
10:30 – 11:00	**Coffee Break**
11:00 – 11:30	David Martinho and António Rito-Silva: ECHO: An Evolutive Vocabulary for Collaborative BPM Discussions
11:30 – 12:00	Irina Rychkova and Selmin Nurcan: The Old Therapy for the New Problem: Declarative Configurable Process Specifications for the Adaptive Case Management Support
12:00 – 12:30	Martin Böhringer: Emergent Case Management for Ad-hoc Processes: A Solution Based on Microblogging and Activity Streams
12:30 – 02:00	**Lunch Break**
02:00 – 02:30	Ilia Bider, Paul Johannesson and Erik Perjons: A Strategy for Merging Social Software with Business Process Support
02:30 – 03:00	António Rito-Silva, Michael Rosemann and Samia Mazhar: Towards Processpedia – An Ecological Environment for BPM Stakeholders Collaboration
03:00 – 03:30	**Coffee Break**
03:30 – 04:00	Frank Dengler, Agnes Koschmider, Andreas Oberweis and Huayu Zhang: Social Software for Coordination of Collaborative Process Activities
04:00 – 04:30	Florian Schnabel, Jesus Gorronogoitia and Freddy Lecue: Empowering Business Users to Model and Execute Business Processes
04:30 – 05:00	Discussion and Closing

AM WORKSHOP
TRACEABILITY AND COMPLIANCE OF SEMI-STRUCTURED PROCESSES (TC4SP)

Babbio 430, 4th Floor, Babbio Center

09:00 – 09:10	Welcome and Outlook
09:10 – 10:10	Invited keynote: Boualem Benatallah, University of New South Wales: From business processes to process spaces
10:10 – 10:30	A Heuristic Approach for Making Predictions for Semi- Structured Case Oriented Business Processes, Geetika Laksmanan
10:30 – 11:00	Coffee Break
11:00 – 11:20	Rationale in Semi-Structured Processes, Udo Kannengiesser
11:20 – 11:40	Business Control Management: a Discipline to Ensure Regulatory Compliance of SOA Applications, Axel Martens
11:40 – 12:00	Enabling Cross-Application Traceability of Semi- Structured Business Processes, Andreas Emrich
12:00 – 12:30	Discussion (30 min)

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MONDAY 9.13.10

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ALL DAY WORKSHOP

EVENT-DRIVEN BUSINESS PROCESS MANAGEMENT (EDBPM)

Babbio 641, 6th Floor, Babbio Building (AM) and X 414, 4th Floor, McLean Building (PM)

09:00 – 09:15	Introduction
09:15 – 10:30	Keynote: Raising the Semantic Level of edBPM, (K.R. Mack Mackenzie, CTO, Starview)
10:30 – 11:00	**Coffee Break**
11:00 – 11:30	Online Monitoring and Control of Enterprise Processes in Manufacturing based on an Event-Driven Architecture Manfred Grauer, Sachin Karadgi, Daniel Metz and Walter Schäfer.
11:30 – 12:00	Decentralized Event-Based Orchestration. Pieter Hens, Monique Snoeck, Manu De Backer and Geert Poels.
12:00 – 12:30	Event-based Business Process Editor and Simulator. Vatcharaphun Rajsiri, Nicholas Fleury and Jean-Pierre Lorre.
12:30 – 02:30	**Lunch Break and Room Change to X 414**
02:30 – 03:00	Optimising Complex Event Queries over Business Processes using Behavioural Profiles. Matthias Weidlich, Holger Ziekow and Jan Mendling.
03:00 – 03:30	Object-centered Process Modeling: A New Approach to Model Data-intensive Systems. Rui Henriques and António Rito Silva.
03:30 – 04:00	**Coffee Break**
04:00 – 04:30	Unified Patterns to transform business rules into an event coordination mechanism. Willem De Roover and Jan Vanthienen.
04:30 – 05:00	Real-time monitoring of web-based processes: a use case for the event-driven web advertisement. Roland Stuehmer, Ljiljana Stojanovic.
05:00 – 05:30	Discussion and Closing

PM WORKSHOP

PROCESS IN THE LARGE (IW-PL)

Babbio 430, 4th Floor, Babbio Center

02:00 – 02:15	Welcome
02:15 – 03:00	Keynote: Process in the Large - From Enterprise Process Wikis to Crowdsourced Process Designs, Michael zur Muehlen
03:00 – 03:30	A Framework for Business Process Model Repositories, Zhiqiang Yan and Paul Grefen
03:30 – 04:00	**Coffee Break**
04:00 – 04:30	Metric Trees for Efficient Similarity Search in Large Process Model Repositories, Matthias Kunze and Mathias Weske
04:30 – 05:00	Process Model Analysis using Related Cluster Pairs, Michael Niemann, Melanie Siebenhaar, Julian Eckert and Ralf Steinmetz
05:00 – 05:30	Closing discussion: Process in the Large - Status and Future Work

BPM 2010 AGENDA
MONDAY 9.13.10

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PM WORKSHOP
CROSS-ENTERPRISE COLLABORATION, PEOPLE AND WORK (CEC-PAW)

Babbio 641, 6th Floor, Babbio Building

02:00 – 02:10	Welcome and Introduction
02:10 – 03:10	On Dynamic Team Composition and Crowdsourcing - Novel Algorithms and Approaches. Schahram Dustdar (TU Vienna)
03:10 – 03:30	Collaboration Aspects of Human Tasks. Tobias Unger and Sebastian Wagner
03:30 – 04:00	**Coffee Break**
04:00 – 04:20	Business Process-Based Testing of Web Applications. Andreas Heinecke, Tobias Griebe, Volker Gruhn2, and Holger Flemig
04:20 – 04:40	Value-Sensitive Design for Cross-Enterprise Regulation. Sietse Overbeek, Virginia Dignum and Yao-Hua Tan
04:40 – 05:00	Taming Unbounded Variability in Service Engineering. Pauline Anthonysamy, Awais Rashid and Andreas Rummler
05:00 – 05:30	Open Discussion, followed by Concluding Remarks

PM WORKSHOP
SUSTAINABILITY AND BPM (SUSBPM)

Calder Room, 3rd Floor, Howe Center

2:00 – 2:50	Keynote: Rick Watson
2:50 – 03:10	Towards Green BPM – Sustainability and Resource Efficiency through Business Process Management Constantin Houy, Markus Reiter, Peter Fettke and Peter Loos.
03:10 – 03:30	What is Sustainability in Business Process Management? A Theoretical Framework and its Application in the Public Sector of Ethiopia Getachew Hailemariam and Jan vom Brocke
03:30 – 04:00	**Coffee Break**
04:00 – 04:20	Process Performance Management as a Basic Concept for Sustainable Business Process Management – Empirical Investigation and Research Agenda, Anne Cleven, Felix Wortmann and Robert Winter
04:20 – 04:40	Controlling of dynamic enterprises by indicators – a foundational approach. Nicole Zeise, Marco Link and Erich Ortner.
04:40 – 05:00	Measuring the Carbon Footprint of Business Processes. Jan Recker, Michael Rosemann and Ehsan Roohi Gohar.
05:00 – 05:20	Sustainability Performance Measurement – The Case of Ethiopian Airlines. Wube Alemayehu and Jan vom Brocke
05:20 – 06:00	Discussion of Book Project

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TUESDAY 9.14.10

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8:00-9:00	Registration & Morning Coffee		Babbio Center Atrium
9:00-10:15	**Conference Chair Welcome & Keynote: The Future of BPM**, Phil Gilbert, IBM		DeBaun Auditorium, EAS Building
10:15-10:45	Networking Break		Babbio Center Atrium
Tracks	**Advances in BPM Research**	**Industry Case Studies**	**Tutorials**
10:45-12:15	Theme: **Business Process Design** EAS 222, 2nd Floor, EAS Building **From Informal Process Diagrams To Formal Process Models** Debdoot Mukherjee, Pankaj Dhoolia, Saurabh Sinha, Aubrey J. Rembert and Mangala Gowri Nanda **Machine-Assisted Design of Business Process Models Using Descriptor Space Analysis** Maya Lincoln, Mati Golani and Avigdor Gal **Impact of Granularity on Adjustment Behavior in Adaptive Reuse of Business Process Models** Oliver Holschke	BPM in Practice: **The US Perspective** DeBaun Auditorium, EAS Building **Crossing the chasm between Enterprise Architecture and BPM** Nick Malik Microsoft, USA **Case Study: The Five Missing Links – Connecting BPM to the Business during a Mission Change** Adelle Elia and Sandra Lyons: GTSI Inc., USA **Wells Fargo: BPM Center Of Excellence** Paul Tazbaz, Wells Fargo, USA	
12:15-1:30	Networking Lunch		Bissinger Room, 4th Floor, Howe Center
1:30-3:00	Theme: **People and Processes** Fielding Room, 3rd Floor, Howe Center **From People to Services to UI: Distributed Orchestration of User Interfaces** Florian Daniel, Stefano Soi, Stefano Tranquillini, Fabio Casati, Heng Chang and Yan Li **A Collaborative Approach to Maturing Process-Related Knowledge** Hans Friedrich Witschel, Bo Hu, Uwe Riss, Barbara Thönssen, Roman Brun, Andreas Martin and Knut Hinkelmann **Self-adjusting Recommendations for People-driven Ad-hoc Processes** Christoph Dorn, Thomas Burkhart, Dirk Werth and Schahram Dustdar	BPM in Practice: **The International Perspective** DeBaun Auditorium, EAS Building **BPM practices applied to a large-scale banking scenario: results and lessons learned** Steve Borelli, Marco Brambilla and Stefano Butti, Unicredit, Italy and WebRatio, Italy **Process Remixes – Mixing Legacy with Process orchestration** Sukriti Goel and Jyoti Bhat Infosys Ltd., India **The Two Einsteins - Value-Adding Process Redesign and Automation in a Complex Life Sciences Environment** John Hoogland Pallas Athena, The Netherlands	**The Analysis of Business Performance Problems Using Proven Methods and Tools** Paul Harmon and Artie Mahal, BPTrends Skyline Room Howe Center, 4th Floor
3:00-3:15	Coffee Break		Babbio Center Atrium and Bissinger Room, 4th Floor, Howe Center
3:15-4:45	Theme: **Semantics** Fielding Room, 3rd Floor, Howe Center **Symbolic Execution of Acyclic Workflow Graphs** Cédric Favre and Hagen Völzer **Structuring Acyclic Process Models** Artem Polyvyanyy, Luciano García-Bañuelos and Marlon Dumas **A New Semantics for the Inclusive Converging Gateway in Safe Processes** Hagen Völzer	**BPM 2010 Demo Showcase** DeBaun Auditorium, EAS Building ▸ PNav ▸ AristaFlow ▸ MarcoFlow ▸ service-technology.org ▸ KISSmir ▸ iPB ▸ bflow*	**The Analysis of Business Performance Problems Using Proven Methods and Tools** (continued) Skyline Room Howe Center, 4th Floor
4:45-5:30	**Fireside Chat: Business Process Optimization,** Robert Shapiro, Process Analytica & Global 360		DeBaun Auditorium, EAS Building
5:30-8:00	**Steering Committee Meeting** [SC Members Only]		Babbio Center Boardroom, 4th Floor
8:00-10:00	**Steering Committee Dinner** [SC Members and Invited Guests]		Amanda's Restaurant, Washington Street between 9th and 10th

BPM 2010 AGENDA

WEDNESDAY 9.15.10

STEVENS INSTITUTE of TECHNOLOGY
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8:00-9:00	Registration & Morning Coffee		Babbio Center Atrium
9:00-10:15	**Program Committee Welcome & Keynote: Process Data Management**, Clay Richardson, Forrester Research		DeBaun Auditorium, EAS Building
10:15-10:45	Networking Break		Babbio Center Atrium
Tracks	**Advances in BPM Research**	**Industry Case Studies**	**Tutorials**
10:45-12:15	Theme: **Process Mining** DeBaun Auditorium, EAS Building **Trace Alignment in Process Mining: Opportunities for Process Diagnostics** Jagadeesh Chandra Bose Rantham Prabhakara and Wil M. P van der Aalst **A fresh look at Precision in Process Conformance** Jorge Muñoz-Gama and Josep Carmona **Content-Aware Resolution Sequence Mining for Ticket Routing** Peng Sun, Shu Tao, Xifeng Yan, Nikos Anerousis and Yi Chen	BPM in Practice: **BPM in Government** Skyline Room, Howe Center, 4th Floor **BPM and Semantic Technology at the DoD** Dennis Wisnosky U.S. Department of Defense, USA **Army Transformation: The move to Net-centric warfare and Enterprise Information Management** Scott Britt and Dennis Kelly General Dynamics, USA **BPM at US TRANSCOM** Rory Kinney U.S. Department of Defense, USA	
12:15-1:30	Networking Lunch		Bissinger Room, 4th Floor, Howe Center
1:30-3:00	Theme: **BPM in Practice** DeBaun Auditorium, EAS Building **BPM in Practice: Who Is Doing What?** Hajo A. Reijers, Sander van Wijk, Bela Mutschler and Maarten Leurs **How Novices Model Business Processes** Jan Recker, Niz Safrudin and Michael Rosemann **IT Requirements of Business Process Management in Practice – An Empirical Study** Susanne Patig, Vanessa Casanova-Brito and Barbara Vögeli	Panel Discussion: **Adaptive Case Management** Kidde 228, MKH Complex **Mastering the Unpredictable: Revolutionizing the Way how Knowledge Work gets Done** Jacob Ukelson, ActionBase Keith Swenson, Fujitsu Software Dermot McCauley, Singularity Tom Shepard, Global 360	**Business Process Configuration: Trends and Challenges** Marcello La Rosa Queensland University of Technology and Wil M.P. van der Aalst TU Eindhoven Skyline Room Howe Center, 4th Floor
3:00-3:15	Coffee Break		Babbio Center Atrium and Bissinger Room, 4th Floor, Howe Center
3:15-4:45	Theme: **BPM Education** Skyline Room, Howe Center, 4th Floor **Professionalizing the Business Process Management Practice: Towards a Common Body of Knowledge for BPM** Wasana Bandara, Paul Harmon and Michael Rosemann **Service Learning and Teaching Foundry: Building a BPM and SOA Education Community** Hye-young Paik, Fethi A. Rabhi, Boualem Benatallah and Joseph David **The current state of BPM Education in Australia: Teaching and Research Challenges** Olivera Marjanovic and Wasana Bandara	**BPM 2010 Demo Showcase** DeBaun Auditorium, EAS Building ▸ Signavio-Oryx BPM Academic Initiative ▸ WebRatio ▸ Cheetah ▸ Nitro ▸ ProM6 ▸ PrICE ▸ Sketch-based Models	**BPM Standards and Diagram Interchange** Denis Gagné, Trisotech Fielding Room Howe Center, 4th Floor
4:45-5:30	**Fireside Chat: Thoughts on Collaborative Planning,** Keith Swenson, Fujitsu Software		DeBaun Auditorium, EAS Building
7:00-10:00	**Conference Dinner Cruise**		Royal Princess, Lincoln Harbor, Weehawken, NJ

BPM 2010 AGENDA

THURSDAY 9.16.10

STEVENS INSTITUTE of TECHNOLOGY
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8:00-9:00	Registration & Morning Coffee			Babbio Center Atrium
9:00-10:15	**Keynote: BPM in Cloud Architectures: Business Process Management with SLAs and Events**, Hans-Arno Jacobsen, University of Toronto			DeBaun
10:15-10:45	Networking Break			Babbio Center Atrium
Tracks	**Advances in BPM Research**	**Industry Case Studies**	**Tutorials**	**WS-FM**
10:45-12:15	Theme: **Correctness** Fielding Room, Howe Center, 3FL **Correctness Ensuring Process Configuration: An Approach Based on Partner Synthesis** Wil van der Aalst, Niels Lohmann, Marcello La Rosa and Jingxin Xu **How to Implement a Theory of Correctness in the Area of Business Processes and Services** Niels Lohmann and Karsten Wolf **Deciding Behaviour Compatibility of Complex Correspondences between Process Models** Matthias Weidlich, Remco Dijkman and Mathias Weske	BPM in Practice: **Methodology** DeBaun Auditorium, EAS Building **Process mining using SAP event logs: Towards a managerial perspective** Artur Siurdyban and Martin Weightman, Danfoss Power Electronics, USA **Business Process Management Governance: A platform to progress Business Process Management** Gaby Doebeli Queensland Rail, Australia	**Overview and an approach for BPMS adoption within enterprises** Sukriti Goel, Infosys Technologies Ltd. Skyline Room Howe Center, 4th Floor	
12:15-1:30	Networking Lunch			Bissinger Room, 4th Floor, Howe Center
1:30-3:00	Theme: **Distributed Processes** Fielding Room, Howe Center, 3FL **PAPEL: A Language and Model for Provenance-Aware Policy Definition and Execution** Christoph Ringelstein, Steffen Staab **Coordination for Fragmented Loops and Scopes in a Distributed Business Process** Rania Khalaf and Frank Leymann **Value-Oriented Coordination Process Modeling** Hassan Fatemi, Roel Wieringa and Marten van Sinderen	BPM in Practice: **Implementation** DeBaun Auditorium, EAS Building **Complex Process Harmonization Initiatives: Insights from Implementation** Jude Fernandez and Keerthana Mainkar Infosys Ltd., India **Applying BPM 2.0 in IT centric environments** Gunnar Billling, Siemens AG, Matthias Kurz, University of Erlangen, Germany	**The A³ method for the Introduction of Business Process Support Systems in Operational Practice** Ilia Bider, Ibissoft and Paul Johannesson, Stockholm University Calder Room Howe Center, 3rd Floor	**Workshop Welcome** **Keynote: Policy Analysis with Margrave** Shriram Krishnamurthi, Brown University Skyline Room Howe Center, 4th Floor
3:00-3:15	Coffee Break			Babbio Center Atrium and Bissinger Room, 4th Floor, Howe Center
3:15-4:45		**BPM 2010 Demo Showcase** DeBaun Auditorium, EAS Building ▸ ADEPT goes Mobile ▸ Business Process Services Portal ▸ WebSphere Multi Module Monitoring ▸ Smart Process Management ▸ ProMatch.KOM ▸ Greta	**The A³ method for the Introduction of Business Process Support Systems in Operational Practice** (continued) Calder Room Howe Center, 3rd Floor	**On Lifecycle Constraints of Artifact-Centric Workflows** Esra Kucukoguz, Jianwen Su **Failure Analysis for Composition of Web Services Represented as Labeled Transition Systems** Dinanath Nadkarni, Robyn Lutz, Samik Basu, Vasant Honavar **Passive Testing of Timed Distributed Systems** Cesar Andres, M. Emilia Cambronero, Manuel Nunez **Formal Semantics and Implementation of BPMN 2.0 Inclusive Gateways** David Raymond Christiansen, Marco Carbone, Thomas Hildebrandt
4:45-5:30	**Conference Close**			DeBaun Auditorium, EAS Building
7:00-9:30	**WS-FM Workshop Dinner**			Elysian Cafe, 10th & Washington Street

BPM 2010 AGENDA

FRIDAY 9.17.10

STEVENS INSTITUTE of TECHNOLOGY
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Tracks	WS-FM	ACM Mentor Camp
7:30-9:00	Registration & Morning Coffee	Babbio Center Atrium
9:00-10:30	**Keynote:** **Formal Study of Business Entities with Lifecycles: Use Cases, Abstract Models, and Results** Richard Hull (IBM T. J. Watson Research Center)	**Adaptive Case Management Mentor Camp** **Welcome, Introduction & Agenda Creation** **Sessions 1-3** Babbio Center, Room B304
10:30-11:00	Networking Break	Babbio Center Atrium
11:00-12:30	**Simplified Computation and Generalization of the Refined Process Structure Tree** Artem Polyvyanyy (Hasso Plattner Institute), Jussi Vanhatalo (UBS AG), Hagen Voelzer (IBM Research Zurich) **Generalised Computation of Behavioural Profiles based on Petri-Net Unfoldings** Matthias Weidlich, Felix Elliger, Mathias Weske (University of Potsdam) **On Nondeterministic Workflow Executions** Alexandra Potapova, Jianwen Su (University of California, Santa Barbara)	**Adaptive Case Management Mentor Camp** **Cybercast: How to improve knowledge work productivity** with Keith Harrison-Broninski, Keith Swenson, Jacob Ukelson, and Dana Khoyi **Session 4** Babbio Center, Room B304
12:30-2:00	Networking Lunch	Babbio Center Atrium
2:00-4:00	**Constructing Substitutable Services Using Operating Guidelines and Maximal Controllers** Arjan Mooij (Technische Universiteit Eindhoven), Jarungjit Parnjai (Humboldt-Universitat zu Berlin), Christian Stahl, Marc Voorhoeve (Technische Universiteit Eindhoven) **Automated Generation of Web Service Stubs Using Satisfiability Solving** Sylvain Halle (Universite du Quebec a Chicoutimi) **Conformance Verification of Privacy Policies** Xiang Fu (Hofstra University) **Soundness-Preserving Refinements of Service Compositions** Kees van Hee, Arjan Mooij , Natalia Sidorova, Jan Martijn van der Werf (Technische Universiteit Eindhoven)	**Adaptive Case Management Mentor Camp** **Sessions 5-7** **Wrap-Up** Babbio Center, Room B321
4:00-4:30	Farewell Coffee	Babbio Center Atrium

BPM 2010 KEYNOTES

STEVENS INSTITUTE of TECHNOLOGY
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Tuesday, 09.14.10, 9:00 AM

The Next Decade of BPM

Phil Gilbert

Head/Next Gen BPM, IBM

Business process management has been around for 20+ years. It can generally be described as having two distinct eras so far: in the 1990's BPM was led by process experts inside the business who transformed the focus from big-bang quality improvement initiatives (BPR-style) toward a focus on operational measurement and continuous improvement; in the 2000's BPM shifted to an IT-led competency, centering on the role technology played in process understanding and improvement. In 2010, BPM is still the province of experts from the business and IT. What's next? Two key changes will occur by 2020. First, notions of process will change from today's workflow-centric depictions to a more business-focused view of operations, transparency and measurement. Second, as we move from middleware-dependent systems into cloud-based software, BPM participation will spread throughout the organization, disintermediating the "experts," enabling entire cultures based on change and business improvement.

Reflecting on the twin pillars of business empowerment and transparency, Phil will discuss how BPM is uniquely positioned to deliver the next great wave of value to companies; how the future can be seen not two seconds ahead of time, but weeks and months ahead of time. In the next decade, the final maturation of BPM will be seen, leading to its becoming the dominant management paradigm for the next half century. But in order for this to happen, we need to change cultures globally. Phil will give examples of real companies who are managing their future using BPM, and who have created cultures of thousands who embrace structured change around the world.

About Phil Gilbert

Phil Gilbert heads IBM's next generation BPM platform practice. Prior to his current appointment he served as President of Lombardi Software and oversaw the operational responsibility of its Global Business Solutions group. He was formerly Lombardi's executive vice president of products and CTO. He brings more than 20 years of experience in technology start-ups plus 6 years in consulting and executive positions for non-technology businesses. Phil is responsible for Lombardi's technical strategy and product delivery, with the Products Group reporting to him.

Phil has been awarded four patents in the area of distributed transaction management, has served on numerous industry committees and panels, and was a founding Board member of RosettaNet, serving until 2001. Phil graduated as a Pe-et (top ten) senior from the University of Oklahoma in 1978 with a Bachelor of Accountancy degree, with special emphasis in the Computer Sciences.

BPM 2010 KEYNOTES

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Wednesday, 09.15.10, 9:00 AM

Process Data Management

Clay Richardson

Senior Analyst, Forrester Research

It's an age old question: Which came first: data or process? When this question is presented to IT professionals, the answer depends heavily on each person's individual perspective and role within IT. Ask most business process professionals, and the immediate response is: "Without process, data does not exist." Ask data management professionals, and the immediate response is: "Without data, processes can't execute."

About Clay Richardson

Clay Richardson is Senior Analyst at Forrester Research where he is responsible for BPM platforms, strategies and governance. He joined Forrester with many years of experience in business process improvement projects, BPM platforms and solutions selection, systems analysis and design, and project management for enterprise software implementations. Clay has led projects to successfully deploy BPM solutions for government and commercial organizations around the world and has specialized in helping create BPM Centers of Excellence.

Most recently, Clay served as BPM practice leader at Project Performance Corporation, a system integrator based in Washington, D.C., where he launched and managed the company's business process management practice. Prior to that, Clay directed a team of 30 consultants, trainers, and support engineers in delivery and support of BPM solutions, as the director of professional services at HandySoft Global Corporation, a pure-play BPM vendor.

Clay earned a B.S. in computer science from The University of South Carolina and a BPM Professional Certificate from Boston University.

BPM 2010 KEYNOTES

Thursday, 09.16.10, 9:00 AM

BPM in Cloud Architectures: Business Process Management with SLAs and Events

Hans-Arno Jacobsen

University of Toronto

In today's cloud-based enterprise systems, many business processes rely on service-level agreements (SLAs) to manage interactions with partners and suppliers. SLAs determine revenue, cost and customer satisfaction, but implementing and monitoring SLAs is often a manual and error-prone effort. Companies struggle with how to express, track, verify, manage, and enforce SLAs.

This talk presents a powerful business process management architecture that manages SLAs across the entire process life-cycle. The approach leverages events available at every layer of the enterprise software systems stack. Questions such as the following will be addressed:

1. Where is the value in real-time process monitoring and how does it work?
2. Which technologies and design patterns are most effective for monitoring SLAs in real-time?
3. What run-time adaptation and performance optimizations are practical to implement in business processes?

This talk is based on findings resulting from our industry-sponsored PADRES Events & Services Bus (padres.msrg.org) and eQoSystem (eQoSystem.msrg.org) research projects.

About Hans-Arno Jacobsen

Hans-Arno Jacobsen holds the Bell University Laboratories Chair in Software, and he is a faculty member in the Department of Electrical and Computer Engineering and the Department of Computer Science at the University of Toronto, where he leads the Middleware Systems Research Group. His principal areas of research include the design and the development of middleware systems, distributed systems, and information systems. Arno's current research focuses on publish/subscribe, content-based routing, event processing, and aspect-orientation.

Arno received his Ph.D. degree from Humboldt University, Berlin in 1999 and his M.A.Sc. degree from the University of Karlsruhe, Germany in 1994. Between 1992 and 1998 Arno engaged in pre-doctoral research activities working at various research laboratories, world-wide. including LIFIA in Grenoble, France, ICSI in Berkeley, U.S., and LBNL in Berkeley, U.S. After completing his doctorate from 1998 to 1999, Arno engaged in post-doctoral research at INRIA in Rocquencourt, France, before joining the University of Toronto in 2001.

Arno has served as program committee member of various international conferences, including ICDCS, ICDE, Middleware, SIGMOD, OOPSLA and VLDB. He was the Program Chair of the 5th International Middleware Conference and the General Chair of the Inaugural International Conference on Distributed Event-Based Systems 2007. He is among the initiators of the DEBS conference series and the Event-based.org research portal.

BPM 2010 FIRESIDE CHATS

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Tuesday, 09.16.10, 4:45 PM

Business Process Optimization – Past, Present, and Future

Robert M. Shapiro

President, Process Analytica and SVP Research, Global 360

Robert Shapiro created the first open-architecture object-oriented graphical modeling toolkit for process modeling. It was the platform for Design IDEF in support of SADT (Structured Analysis and Design Technique) and used to build the first version of CPN (Colored Petri Net) modeling and simulation technology.

Robert Shapiro is founder and manager of Process Analytica. He is Senior Vice President: Research, for Global 360. He founded Cape Visions (acquired in 2005) where he directed the development of Analytics and Simulation software used by FileNet/IBM, Fujitsu, PegaSystems and Global 360 Business Process Management products. Prior to founding Cape Visions, as founder and CEO of Meta Software Corporation, he directed the implementation of a unique suite of graphical modeling and optimization tools for enterprise-wide business process improvement. Products based on these tools are used by Bank America, Wells Fargo, JPMChase and other major banks to optimize their check processing and Lock Box operations.

As a participant in the Workflow Management Coalition and chair of the working groups on conformance and process definition interchange, he plays a critical role in the development of international standards for workflow and business process management. He has been instrumental in the creation and evolution of XPDL and BPMN. In 2005 he was awarded the Marvin L Manheim Award for outstanding contributions in the field of workflow.

Wednesday, 09.16.10, 4:45 PM

Thoughts on Collaborative Planning

Keith D. Swenson

VP Research & Development, Fujitsu America Inc.

Keith Swenson is Vice President of Research and Development at Fujitsu America Inc. and is the Chief Software Architect for the Interstage family of products. He is known for having been a pioneer in collaboration software and web services, and has helped the development of many workflow and BPM standards. He is currently the Chairman of the Technical Committee of the Workflow Management Coalition. In the past, he led development of collaboration software MS2, Netscape, Ashton Tate and Fujitsu. In 2004 he was awarded the Marvin L. Manheim Award for outstanding contributions in the field of workflow. His blog, entitled Thoughts on Collaborative Planning is at http://kswenson.wordpress.com/.

The Analysis of Business Performance Problems Using Proven Methods and Tools

Paul Harmon and Artie Mahal, BPTrends

Tuesday 09.14.10, 1:30PM, Skyline Room, Howe Center, 4th Floor

Too many traditional approaches to process analysis and redesign only focus on one or another aspect of the various process-related problems that companies face. This tutorial provides a comprehensive approach to conceptualizing and analyzing processes and the factors that can degrade performance. This tutorial will focus on modeling approaches that can be used by business managers and business analysts to analyze business processes and identify opportunities for improving the process. The main focus of the tutorial will be on two basic diagrams: a scope diagram and a BPMN diagram, each tailored for business use. Taken together the two diagrams, and a variety of supplemental diagrams that we will consider only briefly, provide business managers and analysts with the tools they need to identify and analyze process problems arising from process inputs, process outputs, process flows, process management, business decisions, customer interactions, and support problems. We will consider the core BPMN notation and then show how to extend the core BPMN notation to analyze customer processes, decision processes, process measures, specialized flow problems (lean, inventory), human performance problems, and software requirements. This is not a course for software modelers. The focus is on helping business people understand how processes fail and how they can be redesigned to improve organizational performance. This will be a half day tutorial and will include exercises that will allow participants to explore the modeling techniques being described. Handouts will include slides, checklists, job aids and worksheets to guide attendees in applying the concepts being taught.

Panel: Mastering the Unpredictable: Revolutionizing the Way how Knowledge Work gets Done

Wednesday 09.15.10, 1:30PM, Kidde 228, MKH Complex

Jacob Ukelson – CTO, ActionBase
Keith Swenson – VP of Research & Development, Fujitsu
Dermot McCauley – Director of Capital Markets, Singularity
Tom Shepard – Director of Product Management, Global 360

The facilitation of the knowledge workers and knowledge work, what is increasingly known as “Adaptive Case Management,” represents the next imperative in office automation. The desire to facilitate work within the workplace is not new, yet recent advances in information technology make the management of unpredictable circumstances now a practical reality. Over the course of the past few months there has been a groundswell of interest in a more flexible, dynamic approach to supporting knowledge work. The panel will discuss the concept known as adaptive case management, and how executives and knowledge workers need to manage critical, structured and unstructured processes in order to fulfill organizational excellence.

BPM 2010 TUTORIALS AND PANELS

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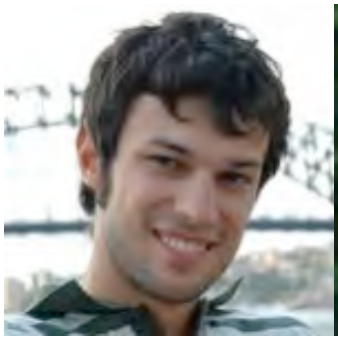
Business Process Configuration: Trends and Challenges

Marcello La Rosa, Queensland University of Technology and Wil M.P. van der Aalst, TU Eindhoven

Wednesday 09.15.10, 1:30PM, Skyline Room, Howe Center, 4th Floor



Configurable process models enable a systematic documentation of standardized best practices, while allowing process analysts to understand possible variations contemplated by these standards, and how to link these variations to business decisions. Moreover, they can be configured to suit the requirements of specific settings, such as a new organization or product, thus offering an alternative to designing process models from scratch while facilitating the reuse of standardized best practices. This tutorial will introduce the concept of configurable process models, discuss its advantages over traditional modeling techniques and review existing approaches for capturing configurable process models. Next, it will present three aspects that are essential to enable the large-scale adoption of configurable process models: i) creating configurable process models from existing process families, ii) ensuring model correctness during configuration; and iii) providing decision support during configuration. Finally, it will discuss issues that still need to be addressed in this research area.

BPM Standards and Diagram Interchange

Denis Gagné, Trisotech

Wednesday 09.15.10, 3:15PM, Skyline Room, Howe Center, 4th Floor

In theory, BPM standards have the potential of delivering tremendous value to both buyers of BPM tools and technology and practitioners of the BPM discipline. This is why, in anticipation of BPM standards reaching the tipping point, BPM vendors invest so much in attaining BPM standards conformance. This session will focus on BPMN 2.0 and the upcoming XPDL 2.2 and 3.0 standards. More specifically, we will explore process models and process diagram interchange using these two standards. The topics covered include:

- What do we need standards for?
- Process Diagrams and Process Models
- What is BPMN?
- What is XPDL?
- Where do they fit?
- What is new in BPMN 2.0?
- What is new in XPDL 2.2 and 3.0?
- The BPMN 2.0 – XPDL 3.0 mapping
- Conversion from standard to standard
- Diagram Interchange in BPMN 2.0
- Diagram Interchange in XPDL 3.0
- Standard Conformance and Conformance Classes
- Verification & Validation of both standards
- What is next for BPM standards?

Overview and an approach for BPMS adoption within enterprises

Sukriti Goel, Infosys Technologies

Thursday 09.16.10, 10:45AM, Skyline Room, Howe Center, 4th Floor

The tutorial aims at presenting a step by step methodology for BPMS adoption within an enterprise, the methodology has been developed based on experience of practitioners and researchers in BPMS space. During the course of tutorial we will discuss steps that needs to be carried out as a part of BPMS implementation, including; quantification of business value proposition, defining executable view of business process model, architecture definition for BPMS implementation, using services and provisioning for service extensions, managing NFR, handling business rules, business process monitoring and governance. The tutorial will cover a case study of "Bank Account Opening" process in the tutorial and will traverse through each stage of the BPMS Implementation Methodology to achieve the BPMS based process automation. The tutorial will be subdivided in 4 parts. During the first part, we will explain the stages of the methodology. The next part will showcase the collaboration of business analyst and technical team to come up with a executable process model using requirements identification and the architecture definition stage. In the third segment we will look at rest of the stages which are more governed by the IT team to bring the process into an executable and monitoring stage. Finally, we conclude how process automation will bring the desired benefits and meet the originally defined goals.

The A3 method for the Introduction of Business Process Support Systems in Operational Practice

Ilia Bider, Ibissoft & Paul Johannesson, Stockholm University

Thursday 09.16.10, 1:30PM, Calder Room, Howe Center, 4th Floor

Introduction of a new Business Process Support (BPS) system (workflow, case handling, or of any other type) in an organization is a difficult process with a significant risk of delays and even a failure. Having a good system does not automatically guarantee its problem-free introduction into operational practice. This is due to that a BPS system usually requires changes in the ways of working and communication between co-workers. There are a lot of practical recommendations on what is needed to successfully accomplish an introduction project, like engage management, train personal, etc. What is missing, though, is an answer on what to do when an introduction processes went not exactly according to the plan. Even if we made some mistakes, we cannot start afresh from the very beginning. A3-method was especially designed to answer this question. A3 stands for Assess-Adjust-Apply, and this method can be applied at any point of an introduction process. This tutorial provides a comprehensive overview of the A3 method.