

6th International Workshop on Semantic Business Process Management

workshop at ESWC 2011
Heraklion, Greece May 29, 2011

Nenad Stojanovic, Barry Norton



Agenda

9 – 9:15 Warm up

9:15 – 9:30 6-years of the Semantic BPM workshop: Why and What, *Nenad Stojanovic*

9:30 – 10:30 Data-intensive research with the DISPEL language, *Oscar Corcho*, (invited talk)

10:30 – 11:00 Coffee break

11:00 – 11:30 Information Resource Recommendation in Knowledge Processes, *Tadej Štajner, Dunja Mladenić, Marko Grobelnik*

11:30 – 12:00 Querying Semantically Enriched Sensor Observations, *Jean-Paul Calbimonte, Hoyoung Jeung, Oscar Corcho*

12:00 – 12:30 Service Adaptation Recommender in the Event Marketplace: Conceptual View, *Yiannis Verginadis, Ioannis Patiniotakis, Nikos Papageorgiou, Roland Stuehmer*

12:30 – 13:00 Event-processing driven ad-hoc BPM, *Jun Ma, Yongchun Xu*

Agenda

14:30 – 15:30 Advanced Semantic Business Process Analysis: Combining Knowledge Engineering and Complex Event Processing, *Carlos Pedrinaci* (invited talk)

15:30 – 16:00 Semantic Technologies for the Project Management Life Cycle Improvement, *Birgit Dippelreiter, Michael Pöttler*

16:00 – 16:30 Coffee break

16:30 – 17:00 Collaboration in open source software development: the ALERT approach, *Ljiljana Stojanovic, Sinan Sen, Jun Ma*

17:00 – 17:15 Concluding remarks, *Nenad Stojanovic*

6-years of the Semantic BPM workshop: Why and What

- 1st workshop, ESWC 2006 – start of SUPER project
 - Semantic modeling for BPM
 - Ontology annotation of business processes
 - Improve (mainly) search
 - Focus on the design time

- Since 4th workshop more focus on
 - Semantic modeling for dynamic BPM
 - Ontology modeling of the dynamicity/flexibility in BPM
 - Improve dealing with „exceptions“
 - Focus on the run-time

Gartner predictions

By 2012, 20 per cent of customer-facing processes will be knowledge adaptable and assembled just in time to meet the demands and preferences of each customer, assisted by BPM technologies.

Today's capability to proactively change processes is merely an interim step for process improvement. ***The next evolution will be processes that self-adjust based on the sensing of patterns*** in user preferences, consumer demand, predictive capabilities, trending, competitive analysis and social connections.

By 2013, dynamic BPM will be an imperative for companies seeking process efficiencies in increasingly chaotic environments.

IT organisations are striving to become better aligned with the demands placed on the business. Pressure to reduce the latency of change in business processes is driving a need for more dynamic and systematised measures. ***Adopting a more dynamic form of BPM, which focuses on enabling process changes to occur when and as needed*** will enable organisations to better respond to unanticipated change requirements in business processes, and to handle process changes more effectively.

Trends

- Strict workflows already lost the importance in dynamic changing environments

- Dynamicity in workflows cannot be described any more in design time

- Dynamicity has become „very dynamic“ and dependable on the context
 - Event driven
 - Dynamically decide when to react (to do changes)
 - Ad-hoc workflows
 - Calculate changes (actions) on the fly
 - Goal-oriented
 - The changes are alligned to the predefined goal

Expectations from this workshop

- To enable the continuation of the workshop
- To communicate the current development in this area
- To understand the progress in the relevant community
- To find synergies
- To define new research challenges

Thank you for your attention!

Question?