

XML for Business Process Management (XML4BPM'05)

March 1, 2005, Karlsruhe (Germany)

XML4BPM is a series of workshops organized by the GI Working Group *Business Process Management with Event-Driven Process Chains* within the GI SIG-MoBIS. It is addressing XML technologies and their application in the context of business process management. The 2005 workshop was held in conjunction with the 11th Conference Business, Technology, and Web (BTW 2005) in Karlsruhe, Germany. Among others, the workshop included topics such as XML-based reference models and model-driven development for BPM, Application of Web Services and Semantic Web technologies for BPM, Inter-organizational document exchange (e.g. XML-EDI, xCBL, etc.), and Economic impact of XML-based standardization of BPM. In total six papers were selected by the program committee to be presented at the workshop.

Sonia Lippe, Ulrike Greiner, and Alistair Barros of SAP Research presented a survey on the state of the art in modelling cross-organisational business processes. The authors define modelling requirements that were derived from analysing various collaborative business scenarios. Based on these requirements they evaluate and measure relevant work in modelling of cross-organisational business processes, thereby identifying strengths and weaknesses of the different approaches. In a further paper, Jan Mendling, Gustaf Neumann, and Markus Nüttgens analyzed Event-Driven Process Chains (EPCs) against workflow patterns. Building on this analysis, three extensions to EPCs are proposed in order to provide for full workflow pattern support. Benjamin A. Schmit and Schahram Dustdar from TU Vienna proposed a model-driven approach for Web Services which introduces a separate design layer dedicated to transactions. The authors show that their systematic modelling approach is able to introduce transactions in the design without increasing the complexity of the basic UML diagram.

Christopher Durst, Frank Ihmig, Matthias Biel, Martin Daffertshofer, and Heiko Zimmermann presented a discussion paper on ChameleonLab, a system that handles new and future proof substrates for cryobanking. In the further discussion paper Lucinéia Heloisa Thom, Cirano Iochpe, and Bernhard Mitschang presented an approach to improve the quality of workflow models via business process patterns. Dominik Vanderhaeghen, Sven Zang, Anja Hofer, and Otmar Adam presented a discussion paper on XML-based transformation of business

process models as an enabler for collaborative business process management.

Program Committee

Peter Buxmann, TU Darmstadt, Germany
Schahram Dustdar, TU Wien, Austria
Rony Flatscher, WU Wien, Austria
Ekkart Kindler, Uni Paderborn, Germany
Frank Leymann, Uni Stuttgart, Germany
Jan Mendling (Co-Chair), WU Wien, Austria
Markus Nüttgens (Co-Chair), HWP Hamburg, Germany
Andreas Oberweis, Uni Karlsruhe (TH), Germany
Manfred Reichert, Uni Twente, The Netherlands
Andreas Winter, Uni Koblenz, Germany
Michael zur Muehlen, Stevens Institute of Technology, USA

XML4BPM 2006 will be held in conjunction with Multi Conference 'Wirtschaftsinformatik' in February 2006 in Passau, Germany. The call for papers reflects the fact that challenges related to integration are becoming a key issue of research on BPM. On the one hand, there are several interchange formats available to facilitate the exchange of business process models between various tools and applications. These formats are well suited to serve as input to model-driven approaches for engineering of process-aware applications. XML transformations of process models are required to support these approaches in practice. On the other hand, web service technology and semantic web applications have a huge potential for run-time integration of process-aware applications and enterprise applications.

XML4BPM 2006 is dedicated to these two trends. Papers on ongoing and completed research, state of the art surveys, and reports on practical application of XML technologies in business process management and modelling are welcome. The workshop aims to identify current research directions as well as industry trends. Submissions are appreciated until 10 October 2005. For further information, please refer to

<http://www.mkwi06.de/>

Jan Mendling, WU Vienna

Markus Nüttgens, University of Hamburg