The agility of an enterprise more and more depends on its ability to dynamically set up new business processes or to modify existing ones, and to quickly adapt its information systems to these process changes. Companies are therefore developing a growing interest in concepts, technologies and systems that help them to flexibly align their business as well as engineering processes to changing needs and to optimize their interactions with customers and business partners.

In this context dynamic process support has become an extensive research topic in areas like business process management, Web Service technology and engineering workflows with several specialized aspects. Besides business requirements there are many technical challenges like the correct and efficient support of dynamic workflows (e.g., evolution of workflow specifications and dynamic change propagation, data-driven workflows), the support of autonomic or self-organizing processes, the dynamic selection of the best service provider, the dynamic evolution of local processes as well as its involvement in inter-organizational collaborations, or the handling of security and trust issues in dynamic processes. While there has been major progress in some of these areas, dynamic process support is still a vision when looking at more complex scenarios.

The aim of the DPM'06 workshop, which took place in Vienna on September 4th, 2006, was to provide a forum wherein challenges and paradigms for dynamic process management could be debated. The workshop brought together researchers and practitioners from different communities and application domains who share an interest in dynamic process support. We had received 10 contributions from which 5 had been accepted for the workshop proceedings. Papers were evaluated on the basis of significance, relevance, technical quality and exposition. We hope you will find the papers of this workshop interesting and stimulating.

We would like to acknowledge the support of the workshop program committee. We also thank Johann Eder as workshops chair and Schahram Dustdar as general chair of the BPM 2006 conference.

Sepember 2006

Manfred Reichert
Kunal Verma
Andreas Wombacher
Organization

Organization Committee

Manfred Reichert
University of Twente
m.u.reichert@utwente.nl

Kunal Verma
The University of Georgia
verma@cs.uga.edu

Andreas Wombacher
University of Twente
a.wombacher@utwente.nl

Program Committee

Wil van der Aalst, The Netherlands
Fabio Casati, USA
Peter Dadam, Germany
Prashant Doshi, USA
Richard Goodwin, USA
Yanbo Han, China
Dimitrios Karagianis, Austria
Akhil Kumar, USA
Olivera Marjanovic, Australia
Michael Maxmillien, USA
Andreas Oberweis, Germany
Marco Pistore, Italy
Hajo Reijers, The Netherlands
Stefanie Rinderle, Germany
Heiko Schuld, Switzerland
Vladimir Tomic, Canada
Barbara Weber, Austria
Mathias Weske, Germany
Michal Zaremba, Ireland

Additional Referees

Paolo Busetta, Linh Thao Ly, Michael Predeschly
Table of Contents

Hamiltonian Mechanics

Hamiltonian Mechanics unter besonderer Berücksichtigung der höheren Lehranstalten ........................................... 1
Ivar Ekeland (Princeton University), Roger Temam (Université de Paris-Sud), Jeffrey Dean, David Grove, Craig Chambers (Università di Geova), Kim B. Bruce (Stanford University), Elisa Bertino (Digita Research Center)

Hamiltonian Mechanics2 .................................................. 7
Ivar Ekeland, Roger Temam
Hamiltonian Mechanics unter besonderer Berücksichtigung der höheren Lehranstalten

Ivar Ekeland¹, Roger Temam² Jeffrey Dean, David Grove, Craig Chambers, Kim B. Bruce, and Elisa Bertino

¹ Princeton University, Princeton NJ 08544, USA, I.Ekeland@princeton.edu,
WWW home page: http://users/~iekeland/web/welcome.html
² Université de Paris-Sud, Laboratoire d’Analyse Numérique, Bâtiment 425,
F-91405 Orsay Cedex, France
Hamiltonian Mechanics

Ivar Ekeland$^1$ and Roger Temam$^2$

$^1$ Princeton University, Princeton NJ 08544, USA
$^2$ Université de Paris-Sud, Laboratoire d’Analyse Numérique, Bâtiment 425, F-91405 Orsay Cedex, France