

Workshop on Ontology Evolution (OntoBIS 2007)
in conjunction with
10th International Conference on Business Information Systems BIS 2007
in co-operation with ACM SIGMIS

Poznan, Poland
April 25, 2007

http://bis.kie.ae.poznan.pl/10th_bis/cfp-one.shtml

Deadline for submissions: February 18, 2007

Change is one of the few constants in the world that surrounds us. As ontologies are used to conceptualize certain domains of this changing world, they should evolve accordingly to reflect the modified state of the domain or they become obsolete very quickly. Besides changing domains, other common factors that cause ontologies to evolve are corrections of design flaws, changing user- and business requirements, a shift of focus on a domain. Because ontologies are intended to be used by other ontologies and applications, and because they are often deployed in a highly decentralized environment such as the Web, the problem of ontology evolution is far from trivial. Consequences of changes don't remain local to the ontology itself, but affect depending ontologies and applications as well, possibly resulting in failing applications or applications with an unexpected behaviour.

Due to the complexity of ontology evolution, a manual and ad-hoc management of ontology evolution is not feasible. This workshop aims to bring together researchers and practitioners with different research backgrounds and interests working on aspects related to the problem of ontology evolution (e.g., change discovery, consistency management, temporal knowledge representation, temporal queries, visualisation of ontology changes, collaborative development). The ultimate goal is to facilitate the discussion of key issues, approaches, open problems, innovative applications, and trends in these research areas.

TOPICS OF THE WORKSHOP

- knowledge representation models for ontology evolution
- ontology for representation of events and states
- temporal dimension of ontology
- ontology versioning and management
- document driven maintenance of the ontology
- belief revision
- visualisation of changes in ontology
- reasoning with evolving or inconsistent ontologies
- inconsistency resolution
- collaborative environments and social networks
- tools supporting refinement and cleaning of the ontology

SUBMISSION

- Long papers: max. 5000 words
- Work-in-progress rep.: max. 2500 words
- Position papers: max. 2500 words

Electronic submission system available at: <http://bis.kie.ae.poznan.pl>

Papers must be submitted in either Word or PDF format, according to the ACM SIG proceedings template (<http://www.acm.org/sigs/pubs/proceed/template.html>).

The proceedings will be published as CD-ROM with ISBN number and on-line at CEUR WS.org workshop proceedings publication service.

IMPORTANT DATES

February 18, 2007 submission deadline for papers
March 20, 2007 notification about acceptance/rejection
April 4, 2007 submission of final papers
April 25, 2007 the workshop

Organizer:

[Poznan University of Economics](#), [Department of Information Systems](#)

Supporters:

- ACM Special Interest Group on Management Information Systems
 - GI - Gesellschaft für Informatik, Austria, Germany, Switzerland
 - NTIE - Polish Society for Information Systems
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Workshop Organizers:

- Peter Plessers
- Krzysztof Węcel

Workshop Program Committee:

- Sven Casteleyn, Vrije Universiteit Brussel, Belgium
 - Giorgos Flouris, Institute of Computer Science, FORTH, Greece
 - Peter Haase, AIFB - University of Karlsruhe, Germany
 - Zhisheng Huang, Vrije Universiteit Amsterdam, The Netherlands
 - Michel Klein, Vrije Universiteit Amsterdam, The Netherlands
 - Jacek Kopecky, University of Innsbruck, Austria
 - Oliver Kutz, The University of Manchester, UK
 - Peter Plessers, Vrije Universiteit Brussel, Belgium
 - Krzysztof Węcel, Poznan University of Economics, Poland
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Poznan University of Economics
Department of Information Systems
Al. Niepodleglosci 10

60-967 Poznan, POLAND

Tel: +48(61)854-3381

Fax: +48(61)854-3633

bis@kie.ae.poznan.pl

<http://bis.kie.ae.poznan.pl/>