

## CALL FOR PAPERS

### **Eighth International Baltic Conference on DB and IS June 2-5, 2008 Tallinn, Estonia**

**Detailed information about the conference is available at:  
<http://www.cs.ioc.ee/balt2008>**

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#### **Organised by:**

Institute of Cybernetics at Tallinn University of Technology  
Department of Computer Engineering of Tallinn University of Technology

#### **Objective**

The Baltic conference on databases and information systems is thought as an international forum for technical discussion among researchers and developers of databases and information systems. The objective of the conference is to bring together researchers as well as practitioners and PhD students in the fields of advanced database and information systems research. The goal of the conference is to discuss the role that database systems play in the development of modern networked information systems. The conference is also seeking for the databases and information systems research that relate to ontologies and semantic web.

This conference is continuing a series of successful bi-annual Baltic conferences on databases and information systems which have been held in Trakai (1994), Tallinn (1996, 2002), Riga (1998, 2004), and Vilnius (2000, 2006).

#### **Structure and Topics of Interest**

The conference language is English (talks as well as publications). The conference is planned to include two main tracks: traditional research track and advanced application track. To activate and motivate PhD students the conference programme will include Doctoral Consortium chaired by invited professors.

#### **Research Topics**

Major research topics for the conference will include, but are not limited to:

- Data and Knowledge Management
- Data Integration Methods
- Data Mining
- Database Technology and Semantic Web
- Distributed Databases
- Information Systems and Security
- Information Systems Integration
- Information Systems, Mobile Computing, and Agents
- Knowledge Engineering and Databases
- Linguistic Components of Information Systems
- Logic and Databases
- Ontologies and Concept-Based Search
- Ontology Design and Learning
- Ontology-Based Information Systems
- Querying OWL
- Requirements Engineering for Information Systems
- Semantic Annotation and Semantic Interoperability

- Service Oriented Information Systems
- Service-Oriented Information System Analysis and Design

## **Application Topics**

Application topics of interest include but are not limited to:

- Business Information Systems
- Component-Based Systems Development
- Database Development Tools
- E-government and E-commerce
- Geographic Information Systems
- Information Systems and AI Technologies
- Integrated and Interoperable Database Technologies
- National Information Infrastructure Development
- Ontology-enabled Information Retrieval
- RDF Databases
- Semantic Technologies for Information Systems
- Service Oriented Architectures
- Web Information Systems

## **Doctoral Consortium**

PhD students are invited to submit extended abstracts describing their current work. Topics will be in line with the main conference topics.

## **Paper Submission**

Original research papers and application experience papers up to 12 pages should be submitted in electronic form (Standard Postscript, PDF, RTF) to electronic paper submission system set up to the conference web site by the submission deadline (see below).

The conference proceedings will be published in the TUT Research Report Series. Post-conference proceedings of selected papers will be published by IOS Press in the series "Frontiers in Artificial Intelligence and Applications".

## **Information**

For further information and electronic submission, please send email to: [balt2008@cs.ioc.ee](mailto:balt2008@cs.ioc.ee)

## **Important Dates:**

Deadline for papers:	February 1, 2008
Notification of acceptance:	March 17, 2008
Camera-ready papers:	April 11, 2008
Conference dates:	June 2-5, 2008

## **Conference Organisation**

### **Organising Co-Chairs:**

Andres Keevallik, Tallinn University of Technology, Estonia  
Margus Kruus, Department of Computer Engineering of TUT, Estonia

## **Co-ordinators**

Saulius Maskeliunas, Institute of Mathematics and Informatics, Lithuania  
Juris Borzovs, Riga Institute of Information Technology, Latvia  
Janis Barzdins, The University of Latvia, Latvia  
Hannu Jaakkola, Tampere University of Technology, Pori, Finland

## **Advisory Committee:**

Janis Bubenko, Royal Institute of Technology, Sweden  
Arne Solvberg, Norwegian University of Science and Technology, Norway

## **Programme Co-Chairs:**

Hele-Mai Haav, Institute of Cybernetics at TUT, Estonia  
Ahto Kalja, Department of Computer Engineering of TUT, Estonia

## **Programme Committee:**

Witold Abramowicz, Poland	Jozef M. Zurada, USA
Irina Astrova, Estonia	Hui Ma, New Zealand
Janis Barzdins, Latvia	Rainer Manthey, Germany
Andras Benzcur, Hungary	Saulius Maskeliunas, Lithuania
Juris Borzovs, Latvia	Mihhail Matskin, Sweden
Sjaak Brinkkemper, The Netherlands	Boris Novikov, Russia
Albertas Caplinskas, Lithuania	Monika Oit, Estonia
Dale Dzemydiene, Lithuania	Algirdas Pakstas, UK
Johann Eder, Austria	Jaan Penjam, Estonia
Hans-Dieter Ehrich, Germany	Jaroslav Pokorny, Czech Republic
Jorgen Fischer Nilsson, Denmark	Gunter Saake, Germany
Janis Grundspenkis, Latvia	Kuldar Taveter, Australia
Remigijus Gustas, Sweden	Jaak Tepandi, Estonia
Hyoil Han, USA	Benhard Thalheim, Germany
Mirjana Ivanovic, Serbia	Enn Tyugu, Estonia
Leonid Kalinichenko, Russia	Olegas Vasilecas, Lithuania
Peep Küngas, Estonia	Tatjana Welzer, Slovenia
Rein Kuusik, Estonia	Robert Wrembel, Poland
Marion Lepmets, Estonia	Stanislaw Wrycza, Poland
Audrone Lupeikene, Lithuania	Naoki Yonezaki, Japan
Kalle Lyytinen, USA	

## **Doctoral Consortium Co-Chairs:**

Jaan Penjam, Institute of Cybernetics at TUT, Estonia  
Vahur Kotkas, Institute of Cybernetics at TUT, Estonia

## **Organising Committee**

Kristiina Kindel, Institute of Cybernetics at TUT, Estonia  
Sulev Kuiv, Institute of Cybernetics at TUT, Estonia  
Rein Lõugas, Institute of Cybernetics at TUT, Estonia  
Monika Perkmann, Institute of Cybernetics at TUT, Estonia  
Tarmo Robal, Department of Computer Engineering of TUT, Estonia  
Marje Tamm, Institute of Cybernetics at TUT, Estonia  
Kristi Uustalu, Institute of Cybernetics at TUT, Estonia