



Call for Papers

Information Technologies 2010

IT 2010



16th International Conference on Information and Software Technologies
April 21st - 23rd, 2010, Kaunas, Lithuania

Overview and Aim

INFORMATION TECHNOLOGIES conference is hosted by the biggest technical university in the Baltic states – Kaunas University of Technology. First organized as part of "Lithuanian Science and Industry" conference series in 1995, in Kaunas, Lithuania, the event turned international in 2008 immediately attracting attention from academicians from all over the world. Although years have passed since the first iteration of the conference, the original mission remains as relevant as ever. The 2010 iteration of the event will again be aimed at the promotion of multidisciplinary approaches and methods designed to further simplify the convergence of social and IT requirements as well as accompanying technologies. And to further encourage such convergence, full length advanced **industrial tutorials** on Model Driven Development and Software Development Practices by well known practitioners are introduced into the conference agenda for the first time. We kindly invite our old academic friends as well as new contributors to join the debate sharing the knowledge on system analysis and design, hardware and computer networks as well as other relevant topics.

Relevant Topics

- ❖ **Ontology, Conceptual Modelling and Databases**
 - Ontology and Conceptual Modelling
 - Data Modelling and Database Design
 - Quality of Models and Modelling Languages
 - Advanced Databases (Web, Multimedia, Temporal, Spatial, etc.)
 - Integrating Heterogeneous Data Sources
 - Distributed Databases
 - Database Security and Transaction Support
 - Data Warehouses and OLAP
- ❖ **Business Process Modelling, Analysis and Design**
 - Business Process Modelling (methods, tools and technologies)
 - Business Process and Workflow Management
 - Business Process Management and IS Integration
 - Business Process Re-engineering and Optimization
- ❖ **Requirements Engineering and Business Rules**
 - Business Rules Modelling and Tools
 - Business Rules in Information Systems
 - Advances in Requirements Engineering
- ❖ **Information and Software Systems Engineering**
 - Systems Engineering Methodologies
 - Model-driven Development
 - Service-Oriented Architecture (SOA) and Agents
 - Component-Based Development
 - Distributed, Mobile, and Open Architectures
 - Semantic Web Engineering
 - Software Quality, Testing, Verification and Validation
 - CASE Tools for Software Development
 - Security and Trust
 - Interoperability of Enterprises and Information Systems
- ❖ **Information Technology Applications**
 - E-Government and Public Sector
 - Enterprise Systems (ERP, SCM, CRM)
 - Workflow Management
 - Web Information systems
 - Medicine and Health Care
 - Language Engineering
 - Geographical Information Systems
- ❖ **Artificial Intelligence and Knowledge Engineering**
 - Artificial Intelligence Applications
 - Decision Support Systems
 - Natural Language Processing
 - Intelligent Social Agents and Distributed Artificial Intelligence Applications
 - Agent Oriented Modelling and Development
 - Web and Enterprise Knowledge Management
 - Knowledge-based Systems Engineering
 - Business Intelligence
 - Warehouses and Data Mining
- ❖ **Formal Analysis and Design Methods**
 - Formal Systems Modelling and Simulation
 - Formal Verification and Validation
 - Applied Numerical Analysis
- ❖ **IT in Teaching and Learning**
 - Computer-based Learning
 - Distance Education
- ❖ **Hardware and Computer Networks**
 - Computer Networks Design and Management
 - Chip Design and Testing
 - GSM based solutions for objects localization

Case studies, experience reports and industrial problem statements are particularly encouraged.

Submission

Contributions are limited to the research papers. The paper's size should not exceed 5000 words and 8 pages (fee for extra pages 30 EUR per page). All accepted submissions will be published. However, the separate tome of selected papers will be submitted for the inclusion in the ISI Proceedings database. Other accepted papers will be published in a separate volume as research communications. The final versions of accepted papers must conform to the proceedings publication format. The instructions can be found on the website of IT 2010 (<http://isd.ktu.lt/it2010/>). Submission will be handled electronically through the IT 2010 web site.

Important Dates

- 14 12 2009 - Paper abstract registration deadline
- 21 12 2009 - Paper submission deadline
- 08 03 2010 - Acceptance notification
- 22 03 2010 - Print ready paper submission
- 21 04 2010 - Conference. Industrial Tutorials (**New!**)
- 22 - 23 04 2010 - Conference. Research Sessions

Conference Organizers

Department of Information Systems
http://isd.ktu.lt/index_en.asp

Informatics Faculty
<http://if.ktu.lt/index.php?page=faculty>

Kaunas University of Technology, Kaunas, Lithuania
<http://internet.ktu.lt/en/>

Review Process

The reviewing process of submitted papers will be double-blind. At least two members of the Program Committee will review each submission. Review will be handled electronically through the IT2010 web site. See the IT 2010 web site for details about evaluation criteria.

Contacts

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<http://isd.ktu.lt/IT2009>

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April 21st - 23rd, 2010, Kaunas, Lithuania

Conference Venue

The Conference will be held at Kaunas University of Technology, Kaunas, Lithuania. Situated in the center of the country, Kaunas is the second largest city in Lithuania. Covered in greenery, calm and laid back, the town and its surroundings are rich in cultural and historical heritage. Confluence of the two largest rivers in Lithuania – Nemunas and Neris – hosts XIII century Kaunas castle and the cozy Old Town. The Center of the city is the mix of modern and retro vibes as a result of the growth the town underwent in the first half of the XIX century, when it was the temporary capital of Lithuania. Kaunas is a young city too, as there are 6 universities and the largest student community in Lithuania. We are proud to invite you to our city and are certain you will have a productive and memorable stay.

Conference Fees

Early-bird prices - for registration until April 5, 2010

Regular prices - for registration after April 5, 2010

Type	Early-bird prices		Regular prices	
	Participation days		Participation days	
Full conference package	April 22-23	April 21-23	April 22-23	April 21-23
Participant (non-discounted)	250 EUR	300 EUR	300 EUR	375 EUR
PC member	200 EUR	250 EUR	250 EUR	325 EUR
Bachelor's or Master's Student	125 EUR	175 EUR	175 EUR	250 EUR
Partial conference package	April 22-23	April 21-23	April 22-23	April 21-23
Participant (non-discounted)	125 EUR	225 EUR	175 EUR	225 EUR
PC member	100 EUR	200 EUR	125 EUR	275 EUR
Bachelor's or Master's Student	75 EUR	175 EUR	100 EUR	250 EUR
Industrial tutorials package	April 21		April 21	
Participant (non-discounted)	100 EUR		150 EUR	
PC member	100 EUR		150 EUR	
Bachelor's or Master's Student	100 EUR		150 EUR	

Full conference package (for non-discounted participant and PC member):

- attendance at all research sessions,
- 50% discount on industrial tutorials fee,
- copy of conference proceedings,
- CD with conference program and both proceedings,
- conference materials,
- refreshments during breaks,
- tickets for social events: 2-3 lunches, an official dinner, and a sightseeing tour;

Full conference package (for Bachelor's or Master's student):

- attendance at all research sessions,
- 50% discount on industrial tutorials fee,
- copy of conference proceedings,
- CD with conference program and both proceedings,
- conference materials,
- refreshments during breaks;

Partial conference package:

- attendance at all sessions,
- CD with conference program and both proceedings,
- refreshments during breaks.

Industrial tutorials package:

- attendance at all industrial tutorials sessions,
- tutorials materials,
- CD with conference program and both proceedings,
- lunch and refreshments during breaks.

Program Committee

Aleksandras Targamadze, Kaunas University of Technology, Lithuania
(General Chair)
Vasiu Radu Adrian, Politehnica University of Timisoara, Romania
Jan Aidemark, Växjö University, Sweden
Vassil Alexandrov, University of Reading, United Kingdom
Eduard Babkin, Higher School of Economics, Russia
Rimantas Barauskas, Kaunas University of Technology, Lithuania
Bernd Baumgarten, Fraunhofer Institute for Secure Information Technology SIT, Germany
Joerg Becker, University of Muenster, Germany
Bernd Blobel, University of Regensburg, Germany
Rimantas Butleris, Kaunas University of Technology, Lithuania
Albertas Caplinskas, Institute of Mathematics and Informatics, Lithuania
Sven Carlsson, Lund University, Sweden
Vitalij Denisov, Klaipeda University, Lithuania
Kiss Ferenc, Budapest University of Technology and Economics, Hungary
Hamido Fujita, Iwate Prefectural University, Japan
Anna Grabovska, PRO-MED Co Ltd, Poland
Saulius Gudas, Vilnius University, Lithuania
Remigijus Gustas, Karlstad University, Sweden
Vladimir Hahanov, Kharkov National University of Radioelectronics, Ukraine
Alvydas Jalinauskas, SubscriberMail LLC, USA
Raimundas Jasinevicius, Kaunas University of Technology, Lithuania
Andras Javor, Budapest University of Technology and Economics, Hungary
Hai Jin, Huazhong University of Science and Technology, China
Egidijus Kazanavicius, Kaunas University of Technology, Lithuania
Marite Kirikova, Riga Technical University, Latvia
Jerzy Korczak, Wrocław University of Economics, Poland
Tsvetanka Kovacheva, Technical University Varna, Bulgaria
Dieter Kranzmueller, Ludwig-Maximilian University Munich, Germany
Rob Mark, Queen's University Belfast, Northern Ireland
Raimundas Matulevicius, University of Namur, Belgium
Arturas Mazeika, Free University of Bozen-Bolzano, Italy

Pramod Kumar Meher, Nanyang Technological University, Singapore
Lina Nemuraite, Kaunas University of Technology
Jyrki Nummenmaa, University of Tampere, Finland
Toshio Okamoto, University of Electro-Communications, Japan
Tero Paivarinta, Agder University, Norway
Algirdas Pakstas, London Metropolitan University, UK
Marcin Paprzycki, Systems Research Institute Polish Academy of Science, Poland
Michael Petit, University of Namur, Belgium
Eckhard Platen, School of Finance & Economics and University of Technology Sydney, Australia
Henrikas Pranevicius, Kaunas University of Technology, Lithuania
Abhijit Ray, ST Electronics Pte Ltd, Singapore
Dalius Rubliauskas, Kaunas University of Technology, Lithuania
Giedre Sabaliauskaite, Lund University, Sweden
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Janis Stirna, University of Jönköping, Sweden
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Raimund Ubar, Tallinn Technical University, Estonia
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