
OTM 2004 PhD Symposium Call for Papers

OVERVIEW

The PhD Symposium of the federated conferences is intended to bring together Ph.D. students within the subjects of the OTM community and give them the opportunity to present and to discuss their research in a constructive and international atmosphere.

The OTM'04 PhD Symposium will be accompanied by prominent professors in the field of information systems which will actively participate and contribute to the discussions.

The workshop in Larnaca, Cyprus, will be the 1st PhD Symposium held in conjunction with the OTM conference during the first two days (25-26 October 2004) of the conference.

The working language of the OTM PhD Symposium is English.

AIMS & OBJECTIVES

Aim of the OTM PhD Symposium is to support the research done by doctoral students with constructive remarks and feedback from prominent scientists in the information systems field.

The PhD Symposium will be rounded off by a discussion of general questions related to Ph.D. research. They include, but are not limited to, the following aspects:

- problem formulation,
- analysis and evaluation of the state of the Ph.D. thesis,
- research methodology, including
 - underlying principles of the approach,
 - utility of the approach, as well as
 - validation of the results.
- critical evaluation of one's own work, including
 - identification of the target audience and beneficiaries of a thesis,
 - validation techniques (such as prototyping, field experiment, or argumentation),
- definition of the innovative contribution of a thesis to the existing state of the art.

CONSORTIUM TOPICS

The OTM PhD Symposium deals with the topics of the main conference. In 2004 these topics include but are not restricted to

Distributed Objects and Applications

- Applications of distributed-object technology
- Applying Model Driven Architecture (MDA)
- Component-based software development
- Enterprise-based component architectures

- Design of CORBA, .NET, and Java-based broker applications
- Design patterns for object-based components and applications
- Distributed business objects and components
- Distributed object databases
- Distributed object deployment, configuration, and metadata
- Integration of distributed objects and agent technology
- Integration of distributed objects and peer-to-peer technology
- Integration of multimedia and streaming technology with distributed objects
- Interoperability between object systems and complementary technology
- Management for distributed-object systems
- Mobility for distributed objects and object middleware
- Object-based Web services
- Pervasive distributed objects
- Real-time solutions for distributed objects
- Scalability for distributed objects and object middleware
- Security for distributed-object systems
- Software engineering for distributed object-based applications
- Solutions for (massive) caching and replication
- Specification and enforcement of Quality of Service (QoS)
- Technologies for reliability and fault-tolerant
- Web-based distributed objects

Management of Semantically-Expressive Information

- Knowledge Acquisition and Representation
- Ontology Languages and Specification
- Ontology Extraction, Learning and Evolution
- Hypertext, Multimedia, and Hypermedia Data Management
- Semi-Structured Data
- Management and Integration of Large Ontology Bases
- Data Integration
- Semantic Middleware
- Information Dissemination
- Searching and Managing Dynamic Contents
- Self-organization in Information Systems
- Information Retrieval
- Terminology Management
- Data Filtering, Cleansing, and Summarization
- Metadata Management
- Data and Web Mining
- Security
- Information Quality

Applications, Evaluations, and Experiences

- Media Archives and Digital Libraries
- Enterprise-wide Information Systems
- Web-based Information Systems
- Location-Dependent Information Services
- Web Services
- Intelligent Information Agents
- Electronic Commerce
- Electronic Government
- Scientific Databases
- Bioinformatics
- Ubiquitous and Mobile Information Systems

Business Process Management

- Workflow management
- Business intelligence
- Configurable information systems
- Web services, choreography
- Business process execution languages

Software and information services for CIS

- Web information systems and services
- Middleware technologies, mediators, and wrappers
- Interoperability, XML, semantic interoperability
- Multi-databases
- Mobile and wireless systems and protocols
- Ubiquitous computing environments and tools
- Security and privacy in CIS
- Human-Computer Interactions

Agent technologies, systems and architectures for CIS

- Markets, auctions, exchanges, and coalitions
- Negotiation protocols, matchmaking, and brokering
- Multi-agents and agent societies
- Self-organizing systems, service description
- Thrust, learning, perception, and actions in agents
- Distributed problem solving, peer-to-peer cooperation

CIS applications and modeling

- E-commerce, e-government, supply chain
- Use of information in organizations
- Computer-supported cooperative work
- Enterprise knowledge management
- Data and knowledge modeling

ACCOMPANYING PROFESSORS

- Sonia Bergamaschi, DataBase Group Dipartimento di Ingegneria dell'Informazione, Facoltà di Ingegneria - sede di Modena, Università di Modena e Reggio Emilia, Italy
- Jaime Delgado, Distributed Multimedia Applications Group (DMAG), Technology Department, Universitat Pompeu, Spain
- Jan Dietz, Department of Information Systems, Faculty of Technical Mathematics and Informatics, Technical University of Delft, The Netherlands
- Werner Nutt, School of Mathematical and Computer Sciences, Heriot-Watt University Edinburgh, U.K

SUBMISSIONS

To apply for participation at the PhD Symposium, please submit an electronic version of your paper regarding your doctoral work via the cyberchair web page (<http://www.cs.rmit.edu.au/fedconf/phd/2004/papers/submit>). The paper is restricted to 5000 words (approximately 10 pages). Submissions may be handed in electronically in Postscript, PDF or MS Word format. Use the appropriate LNCS style from the Springer site.

Different from other papers, this paper addresses specifically the Ph.D. student thesis! The paper should:

- have the PhD student as single author (by preference), or as first author with his/her (main) promotor as second author
- clearly formulate the research question,
- identify the significant problems in the field of research,
- outline the current knowledge of the problem domain, as well as the state of existing solutions,
- present clearly any preliminary ideas, the proposed approach and the results achieved so far,
- sketch the research methodology that is applied,

- point out the contributions of the applicant to the problem solution, and
- state in what aspects the suggested solution is different, new or better as compared to existing approaches to the problem.

Submissions will be judged on originality, significance, correctness, and clarity. Admission is limited to 10 - 14 Ph.D. students. A poster session for another 20-25 students is foreseen.

ANNOUNCEMENT OF PROCEEDINGS

Accepted workshop contributions will be published by Springer-Verlag as LNCS (Lecture Notes in Computer Science) as a part of the workshop proceedings of the 2004 International On The Move Federated Conferences (OTM).

IMPORTANT DATES

<i>Deadline for submission:</i>	<i>July 11th, 2004</i>
Notification of acceptance:	August 4 th , 2004
Camera-ready paper due:	August 20 th , 2004
PhD Symposium:	October 25 th -26 th , 2004
OTM'04:	October 25 th -29 th , 2004

CONTACT

The official web site URL: <http://www.starlab.vub.ac.be/events/OTM04PhD> .

The official email address: otm04phd-info@starlab.vub.ac.be .

The official submission web page: <http://www.cs.rmit.edu.au/fedconf/phd/2004/papers/submit>

WORKSHOP ORGANIZERS

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