



International Workshop on Databases, Information Systems and Peer-to-Peer Computing September 8, 2003 Humboldt University, Berlin, Germany

*** Call for Papers ***

<http://www.intelligence.tuc.gr/dbisp2p>

Organizers & PC Chairs

Karl Aberer, EPFL, Switzerland

Vana Kalogeraki, Univ. of California, Riverside, USA

Manolis Koubarakis, Technical Univ. of Crete, Greece

Steering Committee

Karl Aberer, EPFL, Lausanne, Switzerland

Sonia Bergamaschi, Univ of Modena & Reggio-Emilia, Italy

Manolis Koubarakis, Technical University of Crete, Greece

Paul Marrow, BTextact Technologies, UK

Gianluca Moro, University of Bologna, Cesena, Italy

Aris M. Ouksel, University of Illinois at Chicago, USA

Munindar P. Singh, North Carolina State University, USA

Claudio Sartori, CNR-CSITE, University of Bologna, Italy

Local Organizer

Klemens Boehm, Univ. of Magdeburg, Germany

Program Committee

Ozalp Babaoglu, University of Bologna, Italy

Klemens Boehm, University of Magdeburg, Germany

Beng Chin Ooi, National University of Singapore, Singapore

Partha Dasgupta, Arizona State University, USA

Alex Delis, Polytechnic University, USA

Fausto Giunchiglia, University of Trento, Italy

Zachary G. Ives, University of Washington, USA

Carole Goble, University of Manchester

Oliver Guenther, Humboldt University

Dimitris Gunopoulos, Univ. of California Riverside, USA

Manfred Hauswirth, EPFL, Switzerland

Achilles D. Kameas, Computer Technology Institute, Greece

Yannis Labrou, Fujitsu Labs of America, USA

Witold Litwin, University Paris 6, France

Ling Liu, Georgia Institute of Technology, USA

Peri Loucopoulos, UMIST, Manchester, UK

Dejan Milojicic, Hewlett Packard Labs, USA

Alberto Montresor, University of Bologna, Italy

Jean-Henry Morin, University of Geneva, Switzerland

John Mylopoulos, University of Toronto, Canada

Wolfgang Nejdl, Learning Lab Lower Saxony, Germany

Dimitris Papadias, Hong Kong UST, China

Mike Papazoglou, Tilburg University, Netherlands

Evaggelia Pitoura, University of Ioannina, Greece

Dimitris Plexousakis, I CS, FORTH, Greece

Onn Shehory, IBM Haifa, Israel

Spiros Skiadopoulos, NTU Athens, Greece

Katia Sycara, Robotics Institute, CMU, USA

Peter Triantafillou, University of Patras, Greece

Martin Wolpers, Learning Lab Lower Saxony, Germany

Peer-to-peer (P2P) computing is currently attracting enormous media attention, spurred by the popularity of file sharing systems such as Napster, Gnutella and Morpheus. In P2P systems a very large number of autonomous computing nodes (the peers) pool together their resources and rely on each other for data and services. The workshop will concentrate on the impact that current database research can have to P2P computing and vice versa. Although researchers in distributed data structures and databases have been working on related issues for a long time, the developed techniques are simply not enough for the new paradigm. P2P computing introduces the paradigm of decentralization going hand in hand with an increasing self-organization of highly autonomous peers, thus departing from the classical client-server computing paradigm. This new paradigm bears the potential to realize computing systems that scale to very large numbers of participating nodes. Taking advantage of this potential for the area of data management is a challenge that the database community itself is asked to face. The realization of the P2P computing vision is however a Herculean task freight with immense technical difficulties. As a result, it offers database theoreticians and system developers a new set of exciting open problems.

The workshop will be collocated with VLDB, the major international database and information systems conference, and will bring together key researchers from all over the world working on databases and P2P computing with the intention of strengthening this connection. The workshop participants will be asked to concentrate on the following questions:

- What can database systems research have to offer to P2P computing and vice versa?
- Are P2P databases a good idea? What are the benefits they bring to traditional database application domains? What are the technical challenges for their realization?
- What are the principles characterizing complex adaptive information systems and their impact for database technology?

Other topics include data models, data placement, query answering, indexing, caching, replication techniques, transaction management, metadata management, dynamic schema integration, semantic web, self-organization and emergent behavior, complex adaptive information systems and resource allocation in P2P systems.

Paper Submission: Submitted papers must be original and not submitted for publication elsewhere. All submitted papers can be up to 15 proceedings pages. Interested authors should e-mail their papers in postscript or pdf form to Manolis Koubarakis (manolis@intelligence.tuc.gr) by May 30, 2003. Notification of acceptance or rejection will be sent to authors by July 14, 2003. Final versions of papers are due by August 1, 2003. We expect accepted papers to appear in a special volume in the series Lecture Notes in Computer Science and we are currently in touch with Springer about this. Authors are requested to prepare their papers using the instructions for LNCS.

Important Dates:	May 30	Submission Deadline
	July 14	Notification of acceptance
	August 1	Camera Ready Papers due
