DaMaP

2nd International Workshop on
Data Management in Peer-to-peer systems
Sunday March 22, 2009, Saint-Petersburg, Russia

EDBT ICDT

Important Dates

Submission:	**December 19, 2008**
Acceptance notification:	January 30, 2009
Final version:	February 15, 2009
Workshop date:	Sunday March 22, 2009

in association with

acm

SIGOPS France

Description

The aim of the workshop is to investigate the promise of peer-to-peer (P2P) systems for advanced data management applications. The benefits of a P2P architecture is scalability based on autonomic peers which may at any moment join/leave the network, publish resources (data and services) for sharing, use resources published by other peers and eventually take part in a collaborative work process. Furthermore, applications manipulate heterogeneous, semantically rich data, and thus require more advanced functionalities than the simple key-based file sharing and retrieval usually proposed by the first P2P systems. Enhanced services must be available, for resource access and sharing, managing logical clusters (communities of interest), handling replication, distributed query and transaction processing, information discovery and accessibility, semantic interoperation and composition of active information services. Also, market-based mechanisms are needed to allow negotiated resource allocation, as well as cooperative and non cooperative information exchanges. Finally, P2P environments need scalable data structures and infra structures, in order to adapt to a growing number of clients and continuously growing amounts of data, such as the case of data streams.

The workshop co-location with [EDBT](), one of the major international database conference, is important in order to actually bring together key researchers working on databases, distributed systems and P2P. The objective of this one-day workshop is to bring together researchers and practitioners to discuss the challenges and propose novel solutions in the design and implementation of advanced data management in P2P environments.

Topics relevant to the workshop include the following :

- Grid computing infrastructure based on the P2P paradigm
- P2P systems and the Semantic Web
- P2P applications
- Data placement and query answering in P2P systems
- Indexing, caching and replication techniques for P2P systems
- Transaction and workflow management for P2P Systems
- Metadata management and use in P2P systems
- Dynamic schema integration, Interoperability
- Self-organization in P2P systems
- Community of interest management
- Scalable Data Structures for P2P systems
- Discovery and composition of P2P services
- Negotiated services and resources allocation in P2P systems.
- Data Stream in P2P systems

Organizers

Pr. Pierre Sens, LIP6-UPMC Paris Universitas, Co-chair
Hubert Naacke, LIP6-UPMC Paris Universitas, Co-chair
Nicolas Travers, CNAM Paris, Co-chair

Program Committee

Alfredo Cuzzocrea	ICAR/DEIS, Univ. of Calabria, Italy
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Philippe Lamarre	LINA Nantes, France
Stéphane Gançarski	LIP6 - UPMC, Paris, France

Manuscript preparation and submission

Papers should be submitted by sending a single PDF file (not more than 7MB large) of the paper to damap@poleia.lip6.fr

It is the author's responsibility to make the submitted paper readable, relevant, and interesting, before submission and consideration by referees. This requirement includes legibility of diagrams and quality of English. Authors must ensure that their submitted PDF file will print easily on simple default configurations.

Length: All submitted papers must be formatted according to the instructions below, and must be no more than 8 pages, including abstract, body, bibliography, and appendices.

Formatting: Except for the paper lenght, manuscripts must be formatted as for EDBT. Papers must use the ACM proceedings format, using one of the templates listed at the ACM SIG Proceedings Templates web site (http://www.acm.org/sigs/publications/proceedings-templates). Please, do not change the template's font size, margins, intercolumn spacing, or line spacing. Templates are available in Word, WordPerfect, and LaTeX (versions 2.09 and 2e). For the LaTeX formats, you may use either the standard style or the SIG-alternate style. Although the ACM templates include headings for "Categories and Subject Descriptors", "General Terms", and "Keywords", these are not used by EDBT and can be omitted from your submitted paper.

At least one author of each accepted paper must attend the workshop to present their work.

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