Special Session on Information Retrieval in Peer-to-Peer Networks

IRP2P 2006

In conjunction with 2nd International Computer Engineering Conference
ICENCO 2006
Faculty of Engineering, Cairo University, Cairo, EGYPT, December 26, 2006

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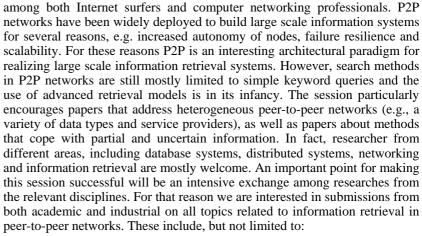Khaled Shaalan (British U, UAE)

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Peer-to-Peer (P2P) networking has drawn tremendous attention nowadays among both Internet surfers and computer networking professionals. P2P networks have been widely deployed to build large scale information systems for several reasons, e.g. increased autonomy of nodes, failure resilience and scalability. For these reasons P2P is an interesting architectural paradigm for realizing large scale information retrieval systems. However, search methods in P2P networks are still mostly limited to simple keyword queries and the use of advanced retrieval models is in its infancy. The session particularly encourages papers that address heterogeneous peer-to-peer networks (e.g., a variety of data types and service providers), as well as papers about methods that cope with partial and uncertain information. In fact, researcher from different areas, including database systems, distributed systems, networking and information retrieval are mostly welcome. An important point for making this session successful will be an intensive exchange among researches from the relevant disciplines. For that reason we are interested in submissions from both academic and industrial on all topics related to information retrieval in peer-to-peer networks. These include, but not limited to:

- Retrieval Models
- Multimedia retrieval
- Resource selection
- Query routing
- Data fusion
- Grids
- Metadata management
- Heterogeneous services
- Index structures
- P2P information retrieval architectures
- Overlay Networks
- Security

Important Dates

Electronic submission of full papers: **August 21, 2006** (**Extended**)
Notification of paper acceptance: October 1, 2006
Camera-ready of accepted papers: October 31, 2006
Special session: December 26, 2006

Goal

This Session aims at bringing together young researchers from Information Retrieval and Database Systems working on peer-to-peer information systems. Both communities have their own strategies at solving the problem of efficient and effective query routing in P2P networks, and a closer collaboration could have a large impact on future IRP2P research.

Submission

The submissions must conform to the proceedings publication format (**IEEE conference style**) and should not exceed six pages, including all text, references, appendices, and figures. Submissions should be sent electronically (preferably in PDF format), by the submission date, to ragab@yl.is.s.u-tokyo.ac.jp All submissions will be peer-reviewed by at least two reviewers, and accepted papers will be published in ICENCO'06 proceedings.