

## Editorial Message: Special Track on Internet Data Management

Marios Dikaiakos  
Dept of Computer Science  
University of Cyprus  
Nicosia, Cyprus  
mdd@ucy.ac.cy

Alexandros Labrinidis  
Dept of Computer Science  
University of Pittsburgh  
Pittsburgh, PA, USA  
labrinid@cs.pitt.edu

Qiong Luo  
Dept of Computer Science  
HKUST  
Hong Kong, China  
luo@cs.ust.hk

<http://db.cs.pitt.edu/sac04>

The Internet is gradually turning into a public “utility” in people’s daily life, and the Web has served as a catalyst in this process. With an increasing number of emerging applications and architectures on the Internet, such as sensor data acquisition, peer-to-peer data sharing, and grid computing, it is essential to revitalize and enrich the Internet data management arena. For this reason, ACM SAC included a special Track on Internet Data Management this year for the first time.

This Track aims to examine the state of the art in Internet data management, focusing on emerging applications in addition to traditional web data management. The underlying theme of the Track is in building systems that are easy to use and are scalable. These usability/scalability issues will be considered in many dimensions: manageability, heterogeneity, performance, reliability, device capabilities, user behaviors, and data characteristics.

Topics of interest for the Track included: web data integration, semi-structured data management, data routing / information filtering, data management for web services, querying the hidden web, continuous/streaming web queries, data-intensive internet applications, query processing over sensor networks, web caching and replication for dynamic data, data management using peer-to-peer architectures, data management for the grid, data management for the wireless/mobile web, and web data quality.

As a response to the Call for Papers, the IDM Track received 23 submissions from 12 different countries (see table below for the breakdown). After a rigorous review process, where each paper was reviewed by at least three PC members or external reviewers, we decided to accept eight papers as full papers (a 34.78% acceptance rate) and one additional paper as a poster paper (which is published in the proceedings as an extended abstract). The accepted papers deal with a plethora of interesting topics, such as web caching, publish-subscribe systems, information extraction from web sources, XML data streaming, text mining, and personalization.

Country	Australia	Brazil	China	France	Germany	Greece	Italy	Japan	Singapore	Taiwan	UK	USA	Total
Submitted Papers	1	1	3	3	2	3	3	1	1	1	2	2	23
Accepted Papers		1	1	1		2	2	1				1	9

We would like to thank the Program Committee and the external reviewers for helping us select a high quality program (while working on a tight schedule). The online paper submission and review process was streamlined by using the Conference Management Toolkit from Microsoft. We would like to thank Roger Barga and Surajit Chaudhuri of Microsoft Research for allowing us to use the CMT software and for their assistance. We would also like to thank the

CMT Support Team and in particular Tim Olson for his help. We would also like to thank ACM SIGMOD Record for publishing the Track's Call for Papers and the Department of Computer Science of the University of Pittsburgh for hosting the Track's Web page (at <http://db.cs.pitt.edu/sac04>). Finally, we are grateful for the support received by the ACM SIGAPP and the SAC 2004 Organizing Committee and in particular the Symposium Chair Hisham M. Haddad, the Symposium Vice-Chair George A. Papadopoulos, the PC Chairs Andrea Omicini and Roger Wainwright, the Poster Chair Mathew J. Palakal, and the Proceedings Chair Lorie M. Liebrock.

Marios Dikaiakos, Alexandros Labrinidis, Qiong Luo (IDM Track Co-chairs)

November 2003

### IDM Track Program Committee

Serge Abiteboul, INRIA	Alberto Mendelzon, University of Toronto
Roger Barga, Microsoft Research	Jeff Naughton, Univ. of Wisconsin-Madison
Junghoo Cho, UCLA	Sriram Padmanabhan, IBM TJ Watson
Alex Delis, Polytechnic Univ. and Univ. of Athens	Jordan Parker, Oracle
Beniamino DiMartino, Second Univ. of Naples	Ron Perrot, Queens University Belfast
Avigdor Gal, Technion University	Dimitris Plexousakis, Univ. of Crete
Minos Garofalakis, Lucent	Nick Roussopoulos, Univ. of Maryland
Yannis Ioannidis, National & Kapodistrian Univ. of Athens	Rizos Sakellariou, Univ. of Manchester
Zachary Ives, University of Pennsylvania	Jayavel Shanmugasundaram, Cornell University
Sridhar Iyer, IIT Bombay	Dan Suciu, Univ. of Washington
Donald Kossmann, T.U. Munich	Renu Tewari, IBM Almaden
Yannis Kotidis, AT&T Research	Helen Thomas, Carnegie Mellon University
Francis Lau, Hong Kong University	Tolga Urhan, BEA
Mong Li Lee, National University of Singapore	Ji-Rong Wen, Microsoft Research Asia
Hong Va Leong, Hong Kong Polytechnic University	Jianliang Xu, Hong Kong Baptist University
Fred Lochovsky, HKUST	Dongqing Yang, Peking University
Yannis Manolopoulos, Aristotle Univ. of Thessaloniki	Jeffrey Xu Yu, Chinese Univ. of Hong Kong
Evangelos Markatos, ICS-FORTH and Univ. of Crete	Chun Zhang, IBM Almaden