

Preface

This year marks an exciting time in the XML-database space: XQuery is moving closer to becoming a full W3C Recommendation, and the “Big 3” database vendors (IBM, Oracle, Microsoft) are expected to release XQuery support in their relational DBMSs, joining a number of existing open source and commercial products. Thus, we are very pleased to feature an industrial paper (describing the XML-specific features of Microsoft SQL Server) as well as 14 research papers. XSym’s focus this year was on building XML repositories, and papers discussed the following topics: indexing support for the evaluation of XPath and XQuery; benchmarks and algorithms for XQuery and XPath evaluation; algorithms for constraint satisfaction checking, information extraction, and subtree matching; and applications of XML in information systems.

This year, XSym also coordinated its efforts with the Database and Programming Languages Symposium, DBPL 2005. The resulting program included not only presentations of the papers in this proceedings, but also a joint DBPL-XSym keynote talk by Giuseppe Castagna, developer of the CDuce language for XML processing, and a joint panel on open XML research problems and challenges.

The organizers would like to express their gratitude to the XSym Program Committee and external reviewers for their efforts in providing very thorough evaluations of the submitted papers under significant time constraints and to Microsoft for their sponsorship and for the use of the Microsoft Conference Management Toolkit. We would also like to thank Gavin Bierman and Christoph Koch, the organizers of DBPL, for their efforts and their willingness to coordinate with us.

These proceedings are dedicated to Alberto Mendelzon who sadly passed away this year. As a strong supporter of and active contributor to this symposium series he will always remain in our memory.

Singapore, Milan, Montpellier, Glasgow
Philadelphia, Essen, Redmond

July 2005

Stéphane Bressan
Stefano Ceri
Zohra Bellahsene
Ela Hunt
Zachary Ives
Rainer Unland
Michael Rys

General Chair

Stéphane Bressan, National University of Singapore (Singapore)

General Co-chair

Stefano Ceri, Politecnico di Milano (Italy)

Organizing Chair

Zohra Bellahsene, LIRMM (France)

Program Committee Chairs

Ela Hunt, University of Glasgow (UK)

Zachary Ives, University of Pennsylvania (USA)

Proceedings

Rainer Unland, University of Duisburg-Essen (Germany)

Sponsorship

Michael Rys, Microsoft (USA)

Communications

Akmal B. Chaudhri, IBM ISV & Developer Relations (USA)

International Programme Committee

Ashraf Aboulmaga, University of Waterloo (Canada)
 Sihem Amer-Yahia, AT&T Research (USA)
 Ricardo Baeza-Yates, Universidad de Chile (Chile)
 Veronique Benzaken, LRI – Université Paris XI (France)
 Tiziana Catarci, University of Roma “La Sapienza” (Italy)
 Yi Chen, University of Pennsylvania (USA)
 Giovanna Guerrini, Università di Pisa (Italy)
 Ashish Kumar Gupta, University of Washington (USA)
 Raghav Kaushik, Microsoft Research (USA)
 Qiong Luo, Hong Kong University of Science and Technology (China)
 Ioana Manolescu, INRIA (France)
 Peter McBrien, Imperial College London (UK)
 Guido Moerkotte, University of Mannheim (Germany)
 Felix Naumann, Humboldt University Berlin (Germany)
 Werner Nutt, Heriot-Watt University (UK)
 Beng Chin Ooi, National University of Singapore (Singapore)
 M. Tamer Ozsu, University of Waterloo (Canada)
 Tadeusz Pankowski, Poznan University of Technology (Poland)
 Alexandra Poulovassilis, Birkbeck College, University of London (UK)
 Prakash Ramanan, Wichita State University (USA)
 Elke A. Rundensteiner, Worcester Polytechnic Institute (USA)
 Arnaud Sahuguet, Bell Laboratories – Lucent Technologies (USA)
 Monica Scannapieco, University of Roma “La Sapienza” (Italy)
 Jayavel Shanmugasundaram, Cornell University (USA)
 Jerome Simeon, IBM Research (USA)
 Wang-Chiew Tan, University of California, Santa Cruz (USA)
 Yannis Velegrakis, AT&T Research (USA)
 Stratis Viglas, University of Edinburgh (UK)
 Peter Wood, Birkbeck College, University of London (UK)
 Yuqing Melanie Wu, Indiana University (USA)
 Jun Yang, Duke University (USA)
 Jeffrey Xu Yu, Chinese University of Hong Kong (China)

External Reviewers

Andrei Arion	LRI – Université Paris XI (France)
Patrick Bosc	LRI – Université Paris XI (France)
Chavdar Botev	Cornell University (USA)
Giuseppe Castagna	LRI – Université Paris XI (France)
Laura Chiticariu	University of California, Santa Cruz (USA)
David DeHaan	University of Waterloo (Canada)
Maged El-Sayed	Worcester Polytechnic Institute (USA)
Fan Yang	Cornell University (USA)
Mirian Halfeld-Ferrari	LRI – Université Paris XI (France)
Ming Jiang	Worcester Polytechnic Institute (USA)
Ming Lee	Worcester Polytechnic Institute (USA)
Diego Milano	University of Roma (Italy)
	University of Edinburgh (UK)
Feng Shao	Cornell University (USA)
Frank Tompa	University of Waterloo (Canada)
Song Wang	Worcester Polytechnic Institute (USA)
Rui Yang	National University of Singapore (Singapore)
Ning Zhang	University of Waterloo (Canada)

Database and XML Technologies

Third International XML Database Symposium, XSym

2005, Trondheim, Norway, August 28-29, 2005,

Proceedings

Bressan, S.; Ceri, S.; Hunt, E.; Ives, Z.G.; Bellahsène, Z.;

Rys, M.; Unland, R. (Eds.)

2005, X, 242 p., Softcover

ISBN: 978-3-540-28583-0