

The 9th International Conference on Data Base Programming Languages

Potsdam, Germany, September 6 - 8, 2003

Organization

Georg Lausen, Dan Suciu (Program Co-Chairs), Mathias Weske (Organization Chair)

Over the years DBPL has established itself as the main venue for publishing and discussing new ideas at the intersection of database and programming languages research. Many key contributions in query languages for object-oriented data, persistent databases, nested relational data, semistructured data, as well as fundamental ideas in types for query languages have been first announced and discussed at DBPL. Today's emergence of new data management applications like Web services, XML processing, and peer to peer data management lead to a new flurry of creativity in the area lying at the intersection of data management and programming languages, and DBPL understands itself as a destinations for such new ideas.

The workshop will be held immediately before VLDB'03 at the Hasso-Plattner-Institute for Software Systems Engineering in Potsdam, a beautiful location near to Berlin, the location of VLDB'03. Potsdam is easily reachable from Berlin by local trains. Participants can conveniently stay in Potsdam when attending VLDB afterwards. More information about the conference location as well as registration information is available at <http://bpt.hpi.uni-potsdam.de/dbpl2003/>

Tentative Program

Saturday, September 6

- 14:00 - 15:30** **Static Analysis**
- Satisfiability of XPath expressions
Jan Hidders (University of Antwerp, Belgium)
- Avoiding Unnecessary Ordering Operations in XPath
Philippe Michiels, Jan Hidders (University of Antwerp, Belgium)
- Equivalence among Relational Queries with Annotations
Wang-Chiew Tan (UC Santa Cruz, USA)
- 15:30 – 16:00** **Coffee Break**
- 16:00 - 17:30** **Transactions**
- Consistency of Java Transactions
Suad Alagic, Jeremy Logan (University of Southern Maine, USA)
- Semantics of Objectified XML Constraints
Suad Alagic, David Briggs (University of Southern Maine, USA)
- A Unifying Semantics for Active Databases Using Non-Markovian Theories of Actions
Iluju Kiringa (University of Ottawa), Ray Reiter (University of Toronto, Canada)
- 17:30 – 19:00** **HPI Reception**

Sunday, September 7

- 9:00 - 10:30** **Invited tutorial:** Xpath Query Processing
Georg Gottlob (TU Vienna, Austria) and Christoph Koch (TU Vienna, Austria and University of Edinburgh, Scotland)
- 10:30 - 11:00** **Coffee break**
- 11:00 - 12:30** **Modeling Data and Services**
- Modelling dynamic web data
Sergio Maffei, Philippa Gardner (Imperial College London, UK)
- Integrating Database and Programming Language Constraints
Mukund Raghavachari, Oded Shmueli, Vivek Sarkar, Michael Burke, Rajesh Bordawekar (IBM T.J. Watson Research Center, USA)
- M2ORM2: A model for the transparent management of relationally persistent objects
Luca Cabibbo, Roberto Porcelli (University Roma Tre, Italy)
- 12:30 – 14.30** **Lunch**
- 14:30 – night** **Social Event: Schloss Sanssouci and dinner at Krongut Bornstedt**

Monday, September 8

- 9:00 - 10:30** **Invited talk:** CQL: A Language for Continuous Queries over Streams and Relations
Jennifer Widom (Stanford University)
- 10:30 - 11:00** **Coffee Break**
- 11:00 - 12:00** **Novel Applications of XML and XQuery**
- Using XQuery for Flat-File Based Scientific Datasets
Gagan Agrawal, Xiaogang Li (Ohio State University, USA)
- A Query Algebra for Fragmented XML Stream Data
Sujoe Bose, Leonidas Fegaras, David Levine, Vamsi Chaluvadi (University of Texas at Arlington, USA)
- 12:00 - 14:00** **Lunch**
- 14:00 - 15:30** **XML Processing and Validation**
- Updates and Incremental Validation of XML Documents
Beatrice Bouchou, Mirian Halfeld-Ferrari (Universite de Tours, France)
- Attribute Grammars for Scalable Query Processing on XML Streams
Christoph Koch (University of Edinburgh, Scotland), Stefanie Scherzinger (University of Passau)
- A General Framework for Estimating XML Query Cardinality
Carlo Sartiani (Pisa University, Italy)
- 15:30** **Closing**