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Professional Activities

- PC Chair of WebDB 2008
- Associate Editor of ACM Transactions on Internet Technology.

Publications

- Walker White, Christoph Koch, Johannes Gehrke, Alan Demers. "Better Scripts, Better Games". Communications of the ACM 52(3):42-47, 2009.
- Michael Benedikt and Christoph Koch. "XPath Leashed". ACM Computing Surveys 41(1), 2008.
- Dan Olteanu, Christoph Koch, and Lyublena Antova. "World-set Decompositions: Expressiveness and Efficient Algorithms". Theoretical Computer Science 403 (2{3}):265{284 (2008).
- Johannes Gehrke, Christoph Koch, Ben Sowell, and Walker White. Scalable Computer Games using Database Techniques. To appear in Proc. SIGMOD 2009, Providence, RI, USA. Tutorial.
- Jiewen Huang, Lyublena Antova, Christoph Koch, and Dan Olteanu. "MayBMS: A Probabilistic Database Management System". To appear in Proc. SIGMOD 2009, Providence, RI, USA. Demo paper.
- Mingsheng Hong, Mirek Riedewald, Christoph Koch, Johannes Gehrke, and Alan Demers. "Rule-Based Multi-Query Optimization". In Proc. EDBT 2009, St. Petersburg, Russia.
- Michaela Grotz and Christoph Koch. "A Compositional Framework for Complex Queries over Uncertain Data". In Proc. ICDT 2009, St. Petersburg, Russia.
- Christoph Koch. "A Compositional Query Algebra for Second-Order Logic and Uncertain Databases". In Proc. ICDT 2009, St. Petersburg, Russia.
- Oliver Kennedy, Alan Demers, and Christoph Koch. "ynamic approaches to in-network aggregation" In Proc. ICDE 2009.
- Dan Olteanu, Jiewen Huang, and Christoph Koch. "Lazy versus Eager Query Plans for Tuple-Independent Probabilistic Databases" In Proc. ICDE 2009.
- Lyublena Antova and Christoph Koch. "On APIs for Probabilistic Databases". In Proc. 2nd Workshop on Management of Uncertain Data (MUD), Aug. 24, 2008, Auckland, New Zealand.
- Christoph Koch and Dan Olteanu. "Conditioning Probabilistic Databases". In Proceedings of the 34th International Conference on Very Large Data Bases (VLDB), Auckland, New Zealand, 2008.

Lectures

- "MayBMS: A System for Managing Large Uncertain and Probabilistic Databases". Microsoft Research, Redmond, WA, July 2, 2008.
- "MayBMS: A System for Managing Large Uncertain and Probabilistic Databases". Computer Science & Engineering, University of Washington, Seattle, WA, July 3, 2008.

- “MayBMS: A System for Managing Large Uncertain and Probabilistic Databases”. Departmental Colloquium, CISE, University of Florida, Gainesville, FL, Nov. 10, 2008.
- “Database Research at Cornell”. Presented to the Microsoft SQL Server Group, Redmond, WA, July 2, 2008.
- “MayBMS: A Probabilistic Database Management System”. Presented at University of California at Irvine, April 24, 2009.
- “MayBMS: A Probabilistic Database Management System”. Presented at the University of California at San Diego, May 1, 2009.