

Theodoros Rekatsinas

CONTACT

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RESEARCH INTERESTS

My research interests lie in the field of databases, with a focus on data integration and uncertain data management. During the past years, I have been working on the problem of *data source selection*, which studies how one can identify valuable data sources for integration.

EDUCATION

2015 (expected) *Ph.D. in Computer Science, University of Maryland*, College Park, MD, USA
Advisors: Prof. Amol Deshpande and Prof. Lise Getoor

Fall 2013 *Visiting Student, MIT CSAIL*, MA, USA

2010-2012 *MS in Computer Science, University of Maryland*, College Park, MD, USA

2010 *Diploma in Electrical and Computer Engineering, National Technical University of Athens*, Athens, Greece

WORK EXPERIENCE

2012 **Summer Intern**, AT&T LABS-RESEARCH

Source selection over dynamic data sources (Mentor: Xin Luna Dong).

2008-2009 **Technical Intern**, DATA MANAGEMENT AND DATA ACCESS GROUP, CERN

Designed and implemented a monitoring system for CERN's Advanced STORage Manager (Supervisor: Dr. Dirk Duellmann).

PUBLICATIONS

Conference Publications

SourceSeer: Forecasting Rare Disease Outbreaks Using Multiple Data Sources, T. Rekatsinas, S. Ghosh, S.R. Mekar, E.O. Nsoesie, J.S. Brownstein, L. Getoor, N. Ramakrishnan, *under submission*.

Finding Quality in Quantity: The Challenge of Discovering Valuable Sources for Integration, T. Rekatsinas, X.L. Dong, L. Getoor, D. Srivastava, *CIDR, 2015*.

Characterizing and Selecting Fresh Data Sources, T. Rekatsinas, X.L. Dong, D. Srivastava, *SIGMOD, 2014*.

SPARSI: Partitioning Sensitive Data amongst Multiple Adversaries, T. Rekatsinas, A. Deshpande, A. Machanavajjhala, *PVLDB, 2013 (presented in VLDB, 2014)*.

Local Structure and Determinism in Probabilistic Databases, T. Rekatsinas, A. Deshpande, L. Getoor, *SIGMOD, 2012*.

Fuzzy Rule Based Neuro-Dynamic Programming for Mobile Robot Skill Acquisition on the Basis of a Nested Multi-Agent Architecture, J. Karigiannis, T. Rekatsinas, C. Tzafestas, *ROBIO, 2010*, **Finalist for the T.J. Tarn Best Paper Award in Robotics**.

Workshop Publications

Forecasting Rare Disease Outbreaks with Spatio-temporal Topic Models, S. Ghosh, T. Rekatsinas, S.R. Mekaru, E.O. Nsoesie, J.S. Brownstein, L. Getoor, N. Ramakrishnan, *NIPS 2013 Workshop on Topic Models, 2013*.

Source Selection for Dynamic Data Sources, T. Rekatsinas, X.L. Dong, D. Srivastava, *DIMACS Workshop on Big Data Integration*.

Multi-relational Weighted Tensor Decomposition, B. London, T. Rekatsinas, B. Huang, L. Getoor, *NIPS 2012 Workshop on Spectral Algorithms for Latent Variable Models, 2012*.

Book Chapters

Developmental Multi-Agent Robotic Architecture Employed in Collaborative Skill Learning Process, J. Karigiannis, T. Rekatsinas, C. Tzafestas, *Perception-reason-action cycle: Models, algorithms and systems, Springer USA, 2010*.

HONORS AND AWARDS

Microsoft Research Ph.D. Fellowship Finalist (2013)

SIGMOD Travel Award from ACM SIGMOD (2012)

University of Maryland, Computer Science Department Dean's Fellowship (2010,2011)

Finalist for the T.J. Tarn Best Paper Award in Robotics in ROBIO 2010 (2010)

ACEOLE Scholarship for participating in the 17th International Conference on Computing in High Energy and Nuclear Physics (CHEP) (2009)

Eurobank EFG, award for ranking 1st in class in the last year of High School (2004)

Hellenic Mathematical Society, awards for distinction in the nation-wide mathematical contests "Thallis" and "Euklidis" (2003 - 2004)

INVITED TALKS

Selecting Dynamic Data Sources, *MIT CSAIL* (October 2013).

Local Structure and Determinism in Probabilistic Databases, *Technical University of Crete* (January 2012).

TEACHING EXPERIENCE

Teaching Assistant (Fall 2014), Introduction to Data Science I: Preparing, Storing, and Manipulating Data (CMSC498, Computer Science Department, University of Maryland), Instructor: Prof. Amol Deshpande

Teaching Assistant (Spring 2013), Introduction to AI (CMSC421, Computer Science Department, University of Maryland), Instructor: Prof. Lise Getoor

Teaching Assistant (Fall 2010), Database Design (CMSC424, Computer Science Department, University of Maryland), Instructor: Prof. Nick Roussopoulos

Teaching Assistant (Fall 2006), Programming Techniques (Electrical and Computer Engineering, NTUA), Instructors: Prof. I. Maistros, Prof. N. Papaspyrou

Teaching Assistant (Spring 2005), Computer Programming (Electrical and Computer Engineering, NTUA), Instructors: Prof. S. Zachos, Prof. N. Papaspyrou

PROFESSIONAL SERVICE

Full Reviewer: ICML 2013, NIPS 2014, IEEE Transactions on Knowledge and Data Engineering (TKDE), ACM Transactions on Spatial Algorithms and Systems (TSAS)

External Reviewer: NIPS, SIGMOD, VLDB, WSDM, WWW

LANGUAGE

Greek, English, German, French