

CURRICULUM VITAE

Lise C. Getoor

DEPARTMENT OF COMPUTER SCIENCE
UNIVERSITY OF MARYLAND INSTITUTE FOR ADVANCED COMPUTER STUDIES
THE UNIVERSITY OF MARYLAND COLLEGE PARK
JANUARY 2013

1 Personal Information

1.1 Current Position

Associate Professor, University of Maryland (appointed July, 2008)
Computer Science Department (50%)
University of Maryland Institute for Advanced Computer Studies (UMIACS) (50%)

1.2 Education

Stanford University, Ph.D. in Computer Science, 2001.
Dissertation title: Learning Statistical Models from Relational Data
Supervisor: Daphne Koller

University of California, Berkeley, Master of Science in Computer Science, 1989.
Master's thesis title: The Instance Description Language: How it can be derived and the use of its Derivation
Supervisor: Stuart Russell

University of California, Santa Barbara, Bachelor of Science in Computer Science, Highest Honors, 1986.

1.3 Employment

Associate Professor, Department of Computer Science and UMIACS, University of Maryland, College Park, MD. *7/08 to present.*

Visiting Researcher, Josef Stefan Institute, Ljubljana, Slovenia. *2/09 to 7/09.*

Visiting Professor, Computer Science Department, University of California, Santa Cruz. *9/08 to 1/09.*

Visiting Researcher, Microsoft Research Silicon Valley. *6/08 to 9/08.*

Assistant Professor, Department of Computer Science and UMIACS, University of Maryland, College Park, MD. *12/01 to 7/08.*

Research Assistant, Computer Science Department, Stanford University, Palo Alto, CA. *9/95 to 12/01.*

Intern, Xerox PARC, Palo Alto, CA. *6/96 to 9/96.*

Research Associate, NASA Ames Research Center, Mountain View, CA. *12/92 to 8/95.*

Software Engineer, Aion Corporation, Palo Alto, CA. *6/89 to 11/92.*

Research Assistant, University of California, Berkeley, Berkeley, CA. *9/87 to 5/89.*

Teaching Assistant, University of California, Berkeley, Berkeley, CA. *9/86 to 9/87.*

Engineering Intern, Delco Electronics, Goleta, CA. *6/85 to 2/86.*

2 Research, Scholarly, and Creative Activities

† Indicates a student or post-doc co-author.

2.1 Patents

1. “Probabilistic Similarity Logic,” with Matthias Broecheler. Provisional Patent IS-2009-080 submitted by University of Maryland, July 2009.
2. “Scalable Product Classification using Taxonomies,” with Panayiotis Tsaparas, Panagiotis Papadimitriou, Ariel Fuxman, Reakesh Agrawal. Filed May 2009 by Microsoft Research.
3. “Identifying Modifiers in Web Queries over Structured Data,” with Stelios Pappas, Amruta Joshi, and Alex Ntoulas. Filed May 2009 by Microsoft Research.
4. “Context-Aware Query Recommendations Using Query Logs,” with Alex Ntoulas, Heasoo Hwang, Lise Getoor, Stelios Pappas, Hady Lauw. Filed March 2009 by Microsoft Research.
5. “D-Dupe: A Visual Interface for Relational DeDuplication,” with Mustafa Bilgic[†], Louis Licamele[†] and Ben Shneiderman. Provisional Patent submitted by University of Maryland. (Final Patent Not Filed)
6. “Method and Apparatus for Learning Probabilistic Relational Models and for Query Optimization,” with Nir Friedman, Daphne Koller, Avi Pfeffer and Ben Taskar. Assigned to Stanford University and Hebrew University. United States Patent 20020103793.

2.2 Books

1. “Privacy in Social Networks,” Elena Zheleva, Evimaria Terzi and Lise Getoor. Morgan and Claypool Publishers, Synthesis Lectures on Data Mining Series, to appear 2012.
2. An Introduction to Statistical Relational Learning. Lise Getoor and Ben Taskar, editors, MIT Press, August 2007.

2.3 Edited Volumes

1. “Proceedings of the 28th ACM International Conference on Machine Learning,” Lise Getoor and Tobias Scheffer, Omnipress, 2011.
2. Annals of Mathematics and Artificial Intelligence (AMAI) Special issue on “Probabilistic Relational Learning,” Manfred Jaeger, Lise Getoor and Kristian Kersting, 54(1-3):207-222, 2008.

3. “Probabilistic, Logical and Relational Learning - A Further Synthesis,” Luc De Raedt, Thomas Dietterich, Lise Getoor, Kristian Kersting, Stephen Muggleton, Dagstuhl Online Seminar Proceedings 07161, 2007.
4. SigKDD Explorations Special Issue on “Link Mining,” Lise Getoor and Chris Diehl, ACM Press, December, 2005.
5. “Probabilistic, Logical and Relational Learning - Towards a Synthesis,” Luc De Raedt, Thomas Dietterich, Lise Getoor, Stephen Muggleton, Dagstuhl Online Seminar Proceedings 05051, 2005.
6. “Proceedings of the 9th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining,” Pedro Domingos, Christos Faloutsos, Ted Senator, Hillol Kargupta and Lise Getoor, ACM Press, 2003.

2.4 Book Chapters

1. “Privacy in Social Networks: A Survey,” Elena Zheleva[†] and Lise Getoor. In *Social Network Data Analytics*, Charu Aggarwal (ed.), Springer, 2011.
2. “A Survey of Link Mining Tasks for Analyzing Noisy and Incomplete Networks,” Galileo Mark Namata[†], Hossam Sharara[†], and Lise Getoor. In *Link Mining: Models, Algorithms and Applications*, Philip Yu, Christos Faloutsos and Jaiwei Han (eds.), Springer, 2010.
3. “Graphical Models for Uncertain Data,” Prithviraj Sen[†], Amol Deshpande, and Lise Getoor. In *Managing and Mining Uncertain Data*, C. Aggarwal (ed.), Springer, 2009.
4. “Collective Classification for Text Classification,” Galileo Namata[†], Mustafa Bilgic[†], Prithvi Sen[†], and Lise Getoor. In *Text Mining: Classification, Clustering, and Applications*, Mehran Sahami and Ashok Srivastava (eds.), Taylor & Francis Group, 2009.
5. “Collective Relational Clustering,” Indrajit Bhattacharya[†] and Lise Getoor. In *Constrained Clustering: Advances in Algorithms, Theory and Applications*, Sugato Basu, Ian Davidson and Kiri Wagstaff (eds.), Taylor and Francis Group, 2008.
6. “A Feature Generation Algorithm with Applications to Biological Sequence Classification,” Rezarta Islamaj[†], Lise Getoor and John W. Wilbur. In *Computational Methods of Feature Selection*, Huan Liu and Hiroshi Motoda (eds.), Chapman and Hall/CRC Press, 2007.
7. “Probabilistic Relational Models,” Lise Getoor, Nir Friedman, Daphne Koller, Avi Pfeffer, and Ben Taskar. In *An Introduction to Statistical Relational Learning*, L. Getoor and B. Taskar (eds.), 129-174, MIT Press, August 2007.
8. “Graphical Models in a Nutshell,” Nir Friedman, Daphne Koller, Lise Getoor, and Ben Taskar. In *An Introduction to Statistical Relational Learning*, L. Getoor and B. Taskar (eds.), 13-56, MIT Press, August 2007.
9. “Entity Resolutions in Graphs,” Indrajit Bhattacharya[†] and Lise Getoor. In *Mining Graph Data*, D. Cook and L. Holder (eds.), 311-342, Wiley, 2006.
10. “Link-based Classification”, Lise Getoor. In *Advanced Methods for Knowledge Discovery from Complex Data*, S. Bandyopadhyay, U. Maulik, L. Holder and D. Cook (eds.), 184-207, Springer-Verlag, 2005.

11. “Learning Probabilistic Relational Models”, Lise Getoor, Nir Friedman, Daphne Koller, and Avi Pfeffer. In *Relational Data Mining*, Sašo Džeroski and Nada Lavrač (eds.), 307-335, Springer-Verlag, 2001.

2.5 Articles in Refereed Journals

1. “Lifted Graphical Models: A Survey,” Lilyana Mihalkova and Lise Getoor, *Machine Learning Journal*, 30 pages, *accepted subject to minor revisions*.
2. “Stability vs. Diversity: Understanding the Dynamics of Actors in Time-varying Affiliation Networks,” Hossam Sharara[†], Lisa Singh, Lise Getoor, Janet Mann *ASE Human Journal*, 15 pages, Volume 1, Number 1, 2012. (winner of best paper award at ASE International Conference on Social Informatics).
3. “TACI: Taxonomy-Aware Catalog Integration,” Panagiotis Papadimitriou, Panayotis Tsaparas, Ariel Fuxman and Lise Getoor, *IEEE Transactions on Knowledge and Data Engineering (TKDE)*, Volume 99, 2012.
4. “Value of Information Lattice: An Efficient Feature Subset Acquisition Framework,” Mustafa Bilgic[†] and Lise Getoor, *Journal of Artificial Intelligence Research (JAIR)*, Volume 41, pages 69-95, 2011.
5. “A method for the detection of meaningful and reproducible group signatures from gene expression profiles,” Louis Licamele[†] and Lise Getoor, *Journal of Bioinformatics and Computational Biology*, volume 9, number 3, 431-51, 2011.
6. “Organizing User Search Histories,” Heasoo Hwang[†], Hady Lauw, Lise Getoor and Alexandros Ntoulas, *IEEE Transactions on Knowledge and Data Engineering (TKDE)*, volume PP, number 99, 1-14, 2011.
7. “Dynamic Processing Allocation in Video,” Daozheng Chen[†], Mustafa Bilgic[†], Lise Getoor, David Jacobs, *IEEE Transactions on Pattern Analysis and Machine Learning (PAMI)*, volume 33, number 11, 2174-2187, 2011.
8. “Understanding Actor Loyalty to Event-Based Groups in Affiliation Networks,” Hossam Sharara[†], Lisa Singh, Lise Getoor, and Janet Mann, *Journal of Advances in Social Networks Analysis and Mining*, volume 1, number 2, 115-126, 2011.
9. “Indirect Two-sided Relative Ranking: a Robust Similarity Measure for Gene Expression Data,” Louis Licamele[†] and Lise Getoor, *BMC Bioinformatics*, Volume 11, Number 137, 19 pages, 2010.
10. “Reflect and Correct: A Misclassification Prediction Approach to Active Inference,” Mustafa Bilgic[†] and Lise Getoor, *ACM Transactions on Knowledge Discovery from Data*, Volume 3, Number 4, 1-32, 2009.
11. “PrDB: Managing and Exploiting Rich Correlations in Probabilistic Databases,” Prithviraj Sen[†], Amol Deshpande, and Lise Getoor, *VLDB Journal Special Issue on Uncertain and Probabilistic Databases*, Volume 18, Number 5, 1065-1090, 2009.

12. “Common effect of antipsychotics on the biosynthesis and regulation of fatty acids and cholesterol supports a key role of lipid homeostasis in schizophrenia,” Mihales Polymeropoulos, Louis Licamele[†], Simona Volpi, Kendra Mack, Shruti Mitkus, Eugene Carstea, Lise Getoor, and Christian Lavedan, *Schizophrenia Research*, Volume 108, Number 1-3, 134-142 2009.
13. “Interactive Entity Resolution in Relational Data: A Visual Analytic Tool and Its Evaluation,” Hyunmo Kang, Lise Getoor, Ben Shneiderman, Mustafa Bilgic[†] and Louis Licamele[†], *IEEE Transactions on Visualization and Computer Graphics (TVCG)*, Volume 14, Number 5, 999-1014, 2008.
14. “Structured Machine Learning: The Next Ten Years,” Tom Dietterich, Pedro Domingos, Lise Getoor, Stephen Muggleton, and Prasad Tadepalli, *Machine Learning Journal (MLJ)*, Volume 73, Number 1, 3-23, 2008.
15. “Trusting Spam Reporters: A Reporter-based Reputation System for Spam Filtering,” Elena Zheleva[†], Alek Kolcz and Lise Getoor, *ACM Transactions on Information Systems (TOIS)*, Volume 27, Number 1, 27 pages, December 2008.
16. “Learning Structured Bayesian Networks: Combining Abstraction Hierarchies and Tree-structured Conditional Probability Tables,” Marie desJardins, Priyang Rathod[†], and Lise Getoor, *Journal of Computational Intelligence (CI)*, Volume 24, Number 1, 1-22, 2008.
17. “Cost-sensitive Learning with Conditional Markov Networks,” Prithvi Sen[†] and Lise Getoor, *Journal of Data Mining and Knowledge Discovery (DMKD)*, Volume 17, Number 2, 136-163, October 2008.
18. “Query-time Entity Resolution,” Indrajit Bhattacharya[†] and Lise Getoor, *Journal of Artificial Intelligence Research (JAIR)*, Volume 30, 621-657, 2007.
19. “Probabilistic Interval XML,” Edward Hung[†], Lise Getoor and V.S. Subrahmanian, *ACM Transactions on Computational Logic (TOCL)*, Volume 8, Number 4, 35 pages, October 2007.
20. “SplicePort - An Interactive Splice-site Analysis Tool,” Rezarta Islamaj[†], Lise Getoor, W. John Wilbur and Stephen Mount, *Nucleic Acids Research (NAR)*, 1-7, June 2007.
21. “Collective Entity Resolution In Relational Data,” Indrajit Bhattacharya[†] and Lise Getoor, *ACM Transactions on Knowledge Discovery from Data (TKDD)*, Volume 1, Number 1, 1-36, March 2007.
22. “PRL: A Logical Approach to Probabilistic Relational Models,” Lise Getoor and John Grant, *Machine Learning Journal (MLJ)*, Volume 62, Issue 1 - 2, 7-31, February 2006.
23. “Understanding Tuberculosis Epidemiology using Probabilistic Relational Models,” Lise Getoor, Jeanne Rhee, Daphne Koller, and Peter Small, *AI in Medicine Journal (AIMJ)*, Volume 30, 233-256, 2004.
24. “Learning Probabilistic Models of Link Structure,” Lise Getoor, Nir Friedman, Daphne Koller, and Ben Taskar, *Journal of Machine Learning Research (JMLR)*, Volume 3, 679-707, 2002.
25. “Learning Structured Statistical Models from Relational Data,” Lise Getoor, Nir Friedman and Daphne Koller, *Electronic Transactions on Artificial Intelligence (ETAI)*, Volume 6, section B, online publication, 2002.

2.6 Invited Articles

1. “Identifying graphs from noisy and incomplete data,” Galileo Namata[†] and Lise Getoor, *SIGKDD Explorations*, Volume 12, Number 1, 33-39, 2010.
2. “Group Detection,” Hossam Sharara[†] and Lise Getoor, in *Encyclopedia of Machine Learning*, Claude Sammut and Geoffrey Webb (eds.), Springer, 2010.
3. “Link Mining,” Lise Getoor, in *Encyclopedia of Machine Learning*, Claude Sammut and Geoffrey Webb (eds.), Springer, 2010.
4. “Entity Resolution,” Indrajit Bhattacharya and Lise Getoor, in *Encyclopedia of Machine Learning*, Claude Sammut and Geoffrey Webb (eds.), Springer, 2010.
5. “Increasing the Predictive Power of Affiliation Networks,” Lisa Singh and Lise Getoor, *Data Engineering Bulletin*, vol. 30, no. 2, 41-50, June, 2007.
6. “Collective Entity Resolution In Relational Data,” Indrajit Bhattacharya[†] and Lise Getoor, *Data Engineering Bulletin*, vol. 29, no. 2, 4-12, June, 2006.
7. “An Introduction to Probabilistic Graphical Models for Relational Data,” Lise Getoor, *Data Engineering Bulletin*, vol. 29, no. 1, 32-39, March, 2006
8. “Link Mining: A Survey,” Lise Getoor and Chris Diehl, *SigKDD Explorations Special Issue on Link Mining*, vol. 7, no. 2, 3-12, December 2005.
9. “Structure Discovery using Statistical Relational Learning,” Lise Getoor, *Data Engineering Bulletin*, vol. 26, no. 3, 11-18, September, 2003.
10. “Link Mining: A New Data Mining Challenge,” Lise Getoor, *SIGKDD Explorations*, vol. 5, no. 1, 84-89, July, 2003.

2.7 Articles in Highly Refereed Conferences

1. “A Flexible Framework for Probabilistic Models of Social Trust,” Bert Huang[†], Angelika Kimmig[†], Lise Getoor, and Jennifer Golbeck, in *International Conference on Social Computing, Behavioral-Cultural Modeling, & Prediction (SBP 2013)*, April, 2013.
2. “LA-LDA: A Limited Attention Topic Model for Social Recommendation,” Jeon-Hyung Kang, Kristina Lerman and Lise Getoor in *International Conference on Social Computing, Behavioral-Cultural Modeling, & Prediction (SBP 2013)*, April, 2013.
3. “Scaling MPE Inference for Constrained Continuous Markov Random Fields with Consensus Optimization,” Stephen H. Bach, Matthias Broecheler, Lise Getoor, Dianne P. O’Leary, in *Advances in Neural Information Processing Systems (NIPS)*, December, 2012. *Acceptance rate: 25%*
4. “Local Structure and Determinism in Probabilistic Databases,” Theodoros Rekatsinas[†], Amol Deshpande, Lise Getoor, in *Proceedings of ACM-SIGMOD 2012 International Conference on Management of Data (SIGMOD)*, 373-384, May, 2012. *Acceptance rate: 16.6%*
5. “Ego-centric Graph Pattern Census,” Walaa Eldin Moustafa[†], Amol Deshpande, Lise Getoor, in *Proceedings of the IEEE International Conference on Data Engineering (ICDE)*, 12 pages, April, 2012. *Acceptance rate: 17.7%*

6. “G-PARE: A Visual Analytic Tool for Comparative Analysis of Uncertain Graphs,” Hossam Sharara[†], Awalyn Sopan[†], Galileo Mark Namata[†], Lise Getoor and Lisa Singh, in *IEEE Conference on Visual Analytics Science and Technology (VAST)*, 61-70, October, 2011. *Acceptance rate: 32%*
7. “Collective Graph Identification,” Galileo Mark Namata[†], Stanley Kok[†], and Lise Getoor, in *ACM SIGKDD International Conference on Knowledge Discovery and Data Mining*, 87-95, August, 2011.
8. “Differential Adaptive Diffusion: Understanding Diversity and Learning whom to Trust in Viral Marketing,” Hossam Sharara[†], William Rand, Lise Getoor, in *Fifth International AAAI Conference on Weblogs and Social Media (ICWSM)*, 345-352, July, 2011.
9. “Active Surveying: A Probabilistic Approach for Identifying Key Opinion Leaders,” Hossam Sharara[†], Lise Getoor, Myra Norton, in *The 22nd International Joint Conference on Artificial Intelligence (IJCAI '11)*, 1485-1490, July, 2011.
10. “A Probabilistic Approach for Learning Folksonomies from Structured Data,” Anon Plangprasopchok[†], Kristina Lerman, and Lise Getoor, in *Fourth ACM International Conference on Web Search and Data Mining (WSDM)*, 555-564, February, 2011. *Acceptance rate: 22.3%*
11. “Materializing Multi-Relational Databases from the Web using Taxonomic Queries,” Matthew Michelson, Sofus A. Macskassy, Steven Minton, and Lise Getoor, in *Fourth ACM International Conference on Web Search and Data Mining (WSDM)*, 355-364, February, 2011. *Acceptance rate: 22.3%*
12. “Computing marginal distributions over continuous Markov networks for statistical relational learning,” Matthias Broecheler[†] and Lise Getoor, in *Advances in Neural Information Processing Systems (NIPS)*, December, 316-324, December, 2010. *Acceptance rate: 24%*
13. “Read-Once Functions and Query Evaluation in Probabilistic Databases,” Prithviraj Sen[†], Amol Deshpande, and Lise Getoor, in *International Conference on Very Large Data Bases (VLDB)*, 1068-1079, September, 2010. *Acceptance rate: 18.4%*
14. “Learning Algorithms for Link Prediction based on Chance Constraints,” Janardhan Doppa[†], Jun Yu[†], Prasad Tadepalli, and Lise Getoor, in *European Conference on Machine Learning (ECML)*, 344-360, September, 2010. *Acceptance Rate 18%*
15. “Growing a tree in the forest: constructing folksonomies by integrating structured metadata,” Anon Plangprasopchok[†], Kristina Lerman, and Lise Getoor, in *ACM SIGKDD International Conference on Knowledge Discovery and Data Mining*, 949-958, August, 2010. *Acceptance rate: 17%*
16. “Active Inference for Collective Classification,” Mustafa Bilgic[†], Lise Getoor, in *Twenty-Fourth Conference on Artificial Intelligence (AAAI NECTAR Track)*, 1652-1655, July, 2010. *Acceptance rate: 25%*
17. “Active Learning for Networked Data,” Mustafa Bilgic[†], Lilyana Mihalkova, and Lise Getoor, in *Proceedings of the 27th International Conference on Machine Learning (ICML)*, 8 pages, June, 2010. *Acceptance rate: 25%*

18. “Probabilistic Similarity Logic,” Matthias Broecheler[†], Lilyana Mihalkova, and Lise Getoor, in *International Conference on Uncertainty in Artificial Intelligence (UAI)*, 10 pages, July, 2010. *Acceptance rate: 32%*
19. “Index Interactions in Physical Design Tuning: Modeling, Analysis, and Applications,” Karl Schnaitter[†], Neoklis Polyzotis, and Lise Getoor, in *International Conference on Very Large Databases (VLDB)*, 1234-1245, August, 2009. *Acceptance rate: 16.7%*
20. “Supervised and Unsupervised Methods in Employing Discourse Relations for Improving Opinion Polarity Classification,” Swapna Somasundaran[†], Galileo Mark Namata[†], Janyce Wiebe, and Lise Getoor in *Conference on Empirical Methods in Natural Language Processing (EMNLP)*, 170-179, August, 2009. *Acceptance rate: 34%*
21. “Co-evolution of Social and Affiliation Networks,” Elena Zheleva[†], Hossam Sharara[†], and Lise Getoor, in *ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD)*, 1007-1016, July, 2009. *Acceptance rate: 10%*
22. “Bisimulation-based Approximate Lifted Inference,” Prithviraj Sen[†], Amol Deshpande, and Lise Getoor, in *Uncertainty in Artificial Intelligence (UAI)*, 496-505, June 2009. *Acceptance rate: 31%*
23. “Distinguishing Knowledge vs Social Capital in Social Media with Roles and Context,” Vladimir Barash[†], Marc Smith, Lise Getoor, and Howard Welsler, in *International Conference on Weblogs and Social Media (ICWSM)*, 183-186, May 2009.
24. “To Join or not to Join: The Illusion of Privacy in Social Networks with Mixed Public and Private User Profiles,” Elena Zheleva[†] and Lise Getoor, in *International World Wide Web Conference (WWW)*, 531-540, April 2009. *Acceptance rate: 12%*
25. “On Maximum Coverage in the Streaming Model and Application to Multi-topic Blog-Watch,” Barna Saha[†] and Lise Getoor, in *SIAM Data Mining Conference (SDM)*, 697-708, April 2009. *Acceptance rate: 15%*
26. “FutureRank: Ranking Scientific Articles by Predicting their Future PageRank,” Hassan Sayyadi[†] and Lise Getoor, in *SIAM Data Mining Conference (SDM)*, 533-544, April 2009. *Acceptance rate: 15%*
27. “Effective Label Acquisition for Collective Classification,” Mustafa Bilgic[†] and Lise Getoor, in *ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD)*, 43-51, August 2008. **Winner of Best Student Paper Award.** *Acceptance rate: 9.8%*
28. “Exploiting Shared Correlations in Probabilistic Databases,” Prithviraj Sen[†], Amol Deshpande and Lise Getoor, in *International Conference on Very Large Data Bases (VLDB)*, 809-820, August 2008. *Acceptance rate: 16.5%*
29. “A Dual-view Approach to Interactive Network Visualization,” Galileo Namata[†], Brian Statts[†], Lise Getoor and Ben Shneiderman, in *Proceedings of the ACM Conference on Information and Knowledge Management (CIKM)*, 939-942, November 2007. *Acceptance rate: 17%*
30. “VOILA: Efficient Feature-value Acquisition for Classification,” Mustafa Bilgic[†] and Lise Getoor, in *Proceedings of the 22nd National Conference on Artificial Intelligence (AAAI)*, 1225-1230,

July 2007. *Accepted for both oral and poster presentation; oral acceptance rate: 27%, poster acceptance rate: 5%*¹

31. “Relationship Identification for Social Network Discovery,” Christopher Diehl, Galileo Mark Namata[†], and Lise Getoor, in *Proceedings of the 22nd National Conference on Artificial Intelligence (AAAI)*, 546-552, July 2007. *Acceptance rate: 27%*
32. “Online Collective Entity Resolution,” Indrajit Bhattacharya[†] and Lise Getoor, in *Proceedings of the 22nd National Conference on Artificial Intelligence (AAAI)*, 1606-1609, July 2007. *AAAI Nectar Paper. Accepted for both oral and poster presentation; oral acceptance rate: 37%, poster acceptance rate: 17%*¹
Nectar papers are based on results that have appeared at sister AI Conferences in the past two years and deemed to be of interest to a broad AI audience; this article is based on Bhattacharya and Getoor, KDD06.
33. “Leveraging Data and Structure in Ontology Integration,” Octavian Udrea[†], Lise Getoor, and Renée Miller, in *Proceedings of ACM-SIGMOD 2007 International Conference on Management of Data (SIGMOD)*, 449-460, June 2007. *Acceptance rate: 14.6%*
34. “Social Capital in Friendship-Event Networks,” Louis Licamele[†] and Lise Getoor, in *Proceedings of the IEEE International Conference on Data Mining (ICDM)*, 959-964, December 2006. *Acceptance rate: 19.6%*
35. “Query-time Entity Resolution,” Indrajit Bhattacharya[†] and Lise Getoor, in *Proceedings of the 12th International Conference on Knowledge Discovery and Data Mining (KDD)*, 529-534, August 2006. *Acceptance rate: 23%*
36. “Cost-Sensitive Markov Networks,” Prithviraj Sen[†] and Lise Getoor, in *Proceedings of the 23rd International Conference on Machine Learning (ICML)*, 801-808, June 2006. *Acceptance rate: 20%*
37. “A Latent Dirichlet Model for Unsupervised Entity Resolution,” Indrajit Bhattacharya[†] and Lise Getoor, in *Proceedings of the 6th SIAM Conference on Data Mining (SDM)*, 47-58, April 2006. **Winner of Best Paper Award.** *Acceptance rate: 16%*
38. “Name Reference Resolution in Organizational Email Archives,” Chris Diehl, Lise Getoor and Galileo Namata[†], in *Proceedings of the 6th SIAM Conference on Data Mining (ICDM)*, 55-64, April 2006. *Acceptance rate: 16%*
39. “Pruning Social Networks Using Structural Properties and Descriptive Attributes,” Lisa Singh, Lise Getoor and Louis Licamele[†], in *Proceedings of the International Conference on Data Mining (ICDM)*, 773-776, November, 2005. *Acceptance rate: 18%*
40. “Word Sense Disambiguation using Probabilistic Models,” Indrajit Bhattacharya[†], Lise Getoor and Yoshua Bengio, in *Proceedings of the 42nd Annual Meeting of the Association for Computational Linguistics (ACL)*, 288-295, July, 2004. *Acceptance rate: 25%*

¹The poster acceptance rate is lower than the oral presentation acceptance rate because in the 2007 AAAI conference only the best papers, deemed to appeal to a broad audience, were invited to present posters.

41. “Using the Structure of Web Sites for Automatic Segmentation of Tables,” Kristina Lerman, Lise Getoor, Steve Minton and Craig Knoblock, in *Proceedings of the ACM-SIGMOD 2004 International Conference on Management of Data (SIGMOD)*, 119-130 June 2004. *Acceptance rate 16%*
42. “Link-based Classification,” Qing Lu[†] and Lise Getoor, in *Proceedings of the International Conference on Machine Learning (ICML)*, 496-503, August 2003. *Acceptance rate: 32.1%*
43. “PXML: A Probabilistic Semistructured Data Model and Algebra,” Edward Hung[†], Lise Getoor and V. S. Subrahmanian, in *Proceedings of the IEEE International Conference on Data Engineering (ICDE)*, 467-478, March 2003. *Acceptance rate: 13%*
44. “Probabilistic Interval XML,” Edward Hung[†], Lise Getoor and V. S. Subrahmanian, in *Proceedings of the International Conference on Database Theory (ICDT)*, 358-374, January 2003. *Acceptance rate: 29%*
45. “Learning Probabilistic Models of Relational Structure,” Lise Getoor, Nir Friedman, Daphne Koller, and Ben Taskar, in *Proceedings of International Conference on Machine Learning (ICML)*, 170-177, June 2001. *Acceptance rate: 32.1%*
46. “Selectivity Estimation using Probabilistic Relational Models,” Lise Getoor, Daphne Koller, and Ben Taskar, in *Proceedings of ACM-SIGMOD 2001 International Conference on Management of Data (SIGMOD)*, 461-472, May 2001. *Acceptance rate 15%*
47. “Learning Probabilistic Relational Models,” Nir Friedman, Lise Getoor, Daphne Koller and Avi Pfeffer, in *Proceedings of the International Joint Conference on Artificial Intelligence (IJCAI)*, 1300-1309, July, 1999. *Acceptance rate: 26%*
48. “Utility Elicitation as a Classification Problem,” Ursulza Chajewska, Lise Getoor, Joseph Norman and Yuval Shahar, in *Proceedings of Uncertainty in Artificial Intelligence (UAI)*, 79-88, August, 1998. **Winner of the UAI '98 best student paper award.** *Acceptance rate not available*
49. “Effective Redundant Constraints for Online Scheduling,” Lise Getoor, Gregor Ottosson, Markus Fromherz and Bjorn Carlson, in *Proceedings of the Fourteenth National Conference on Artificial Intelligence (AAAI)*, 302-307, July, 1997. *Acceptance rate not available*
50. “Scope and Abstraction: Two Criteria for Localized Planning,” Amy Lansky and Lise Getoor, in *Proceedings of the International Joint Conference on Artificial Intelligence (IJCAI)*, 1612-1619, August, 1995. *Acceptance rate not available*

2.8 Other Articles in Refereed Conferences and Workshops

1. “A Flexible Framework for Probabilistic Models of Social Trust,” Bert Huang[†], Angelika Kimmig[†], Lise Getoor and Jennifer Golbeck in *International Conference on Social Computing, Behavioral-Cultural Modeling, & Prediction (SBP 2013)*, April 2013.
2. “LA-LDA: A Limited Attention Topic Model for Social Recommendation,” Jeon-Hyung Kang[†], Kristina Lerman and Lise Getoor in *International Conference on Social Computing, Behavioral-Cultural Modeling, & Prediction (SBP 2013)*, April 2013.

3. “Improved Generalization Bounds for Large-scale Structured Prediction,” Ben London[†], Bert Huang[†], Lise Getoor in *NIPS Workshop on Algorithmic and Statistical Approaches for Large Social Networks*, December 2012.
4. “Social Group Modeling with Probabilistic Soft Logic,” Bert Huang[†], Stephen H. Bach[†], Eric Norris[†], Jay Pujara[†], Lise Getoor in *NIPS Workshop on Social Network and Social Media Analysis: Methods, Models, and Applications*, December 2012.
5. “Graph Summarization in Annotated Data Using Probabilistic Soft Logic,” Alex Memory[†], Angelika Kimmig[†], Stephen H. Bach[†], Louiqa Raschid, Lise Getoor, in *Proceedings of the International Workshop on Uncertainty Reasoning for the Semantic Web (URSW)*, November 2012.
6. “Probabilistic Soft Logic for Trust Analysis in Social Networks,” Bert Huang[†], Angelika Kimmig[†], Lise Getoor, Jennifer Golbeck in *International Workshop on Statistical Relational Artificial Intelligence (StaRAI 2012)*, August 2012.
7. “Query-driven Active Surveying for Collective Classification,” Galileo Mark Namata[†], Ben London[†], Lise Getoor, Bert Huang[†] in *ICML Workshop on Mining and Learning with Graphs*, June, 2012.
8. “Improving Classifier Performance by Autonomously Collecting Background Knowledge from the Web,” Steve Minton, Matthew Michelson, Kane See, Sofus A. Macskassy, Bora C. Gazen, and Lise Getoor, in *Tenth International Conference on Machine Learning and Applications (ICMLA)*, December, 2011.
9. “Using Classifier Cascades for Scalable E-mail Classification,” Jay Pujara[†], Hal Daumé III, Lise Getoor, in *8th Annual Collaboration, Electronic messaging, Anti-Abuse and Spam Conference (CEAS)*, September, 2011. **Winner of Best Paper Award.**
10. “Reducing Label Cost by Combining Feature Labels and Crowdsourcing,” Jay Pujara[†], Ben London[†], Lise Getoor, in *ICML Workshop on Combining Learning Strategies to Reduce Label Cost*, June, 2011.
11. “Declarative Analysis of Noisy Information Networks,” Walaa Eldin Moustafa[†], Galileo Mark Namata[†], Amol Deshpande, Lise Getoor, in *ICDE Workshop on Graph Data Management: Techniques and Applications*, April, 2011.
12. “Learning to Predict Web Collaborations,” Lilyana Mihalkova[†], Walaa Eldin Moustafa[†], Lise Getoor, in *WSDM Workshop on User Modeling for Web Applications*, April, 2011.
13. “Active Inference for Retrieval in Camera Networks,” Daozheng Chen[†], Mustafa Bilgic[†], Lise Getoor, David Jacobs, Lilyana Mihalkova, Tom Yeh, in *Workshop on Person Oriented Vision*, January, 2011.
14. “Active Surveying,” Hossam Sharara[†], Lise Getoor, and Myra Norton, in *NIPS Workshop on Networks Across Disciplines in Theory and Applications*, December, 2010.
15. “Coarse-to-Fine, Cost-Sensitive Classification of E-Mail,” Jay Pujara[†] and Lise Getoor, in *NIPS Workshop on Coarse-to-Fine Processing*, December, 2010.

16. “Decision-Driven Models with Probabilistic Soft Logic,” Stephen H. Bach[†], Matthias Broecheler[†], Stanley Kok, and Lise Getoor, in *NIPS Workshop on Predictive Models in Personalized Medicine*, December, 2010.
17. “Higher-order Graphical Models for Classification in Social and Affiliation Networks,” Elena Zheleva[†], Lise Getoor, and Sunita Sarawagi, in *NIPS Workshop on Networks Across Disciplines: Theory and Applications*, December, 2010.
18. “An Active Learning Approach for Identifying Key Opinion Leaders,” Hossam Sharara[†], Lise Getoor, and Myra Norton, in *The Second Workshop on Information in Networks (WIN)*, September, 2010.
19. “Chance-Constrained Programs for Link Prediction,” Janardhan Doppa[†], Jun Yu[†], Prasad Tadepalli, Lise Getoor, in *NIPS Workshop on Analyzing Networks and Learning with Graphs*, December, 2009.
20. “Link-based Active Learning,” Mustafa Bilgic[†] and Lise Getoor, in *NIPS Workshop on Analyzing Networks and Learning with Graphs*, December, 2009.
21. “Efficient Resource-constrained Retrospective Analysis of Long Video Sequences,” Daozheng Chen[†], Mustafa Bilgic[†], Lise Getoor, and David Jacobs, in *NIPS Workshop on Adaptive Sensing, Active Learning and Experimental Design: Theory, Methods and Applications*, December, 2009.
22. “Opinion Graphs for Polarity and Discourse Classification,” Swapna Somasundaran[†], Galileo Mark Namata[†], Lise Getoor, and Janyce Wiebe, in *TextGraphs-4: Graph-based Methods for Natural Language Processing*, August, 2009.
23. “The Dynamics of Actor Loyalty to Groups in Affiliation Networks,” Hossam Sharara[†], Lisa Singh, Lise Getoor, and Janet Mann, in *International Conference on Advances in Social Networks Analysis and Mining*, July, 2009.
24. “Identifying Graphs From Noisy and Incomplete Data,” Galileo Mark Namata[†] and Lise Getoor, in *First ACM SIGKDD Workshop on Knowledge Discovery from Uncertain Data*, July, 2009.
25. “Probabilistic Similarity Logic,” Matthias Broecheler[†] and Lise Getoor, in *International Workshop on Statistical Relational Learning*, July, 2009.
26. “A Pipeline Approach to Graph Identification” Galileo Mark Namata[†] and Lise Getoor, in *7th International Workshop on Mining and Learning with Graphs*, July, 2009
27. “Leveraging Social Context for Searching Social Media,” Marc Smith, Vladimir Barash[†], Lise Getoor, and Hady Lauw, *CIKM Workshop on Search in Social Media*, October, 2008.
28. “Group Proximity Measure for Recommending Groups in Online Social Networks,” Barna Saha[†] and Lise Getoor, *Second ACM SIGKDD Workshop on Social Network Mining and Analysis (SNA-KDD)*, August, 2008.
29. “Privacy Preservation of Relationships in Graph Data,” Elena Zheleva[†] and Lise Getoor, *KDD Workshop on Privacy, Security and Trust (PinKDD)*, August, 2007.

30. “GeoDDupe: A Novel Interface for Interactive Entity Resolution in Geospatial Data,” Hyunmo Kang[†], Vivek Sehgal[†], and Lise Getoor, in *Proceedings of the IEEE International Conference on Information Visualization (IV)*, 489-496, July 2007.
31. “Visual Mining of Multi-Modal Social Networks at Different Abstraction Levels,” Lisa Singh, Mitchell Beard[†], Lise Getoor, and M. Brian Blake, in *Proceedings of the IEEE International Conference on Information Visualization (IV)*, 672-680, July 2007.
32. “Combining Statistical and Logical Inference for Ontology Alignment,” Octavian Udrea and Lise Getoor, *IJCAI Workshop on Semantic Web for Collaborative Knowledge Acquisition (SWEKA)*, January, 2007.
33. “Entity Resolution in Geospatial Data Integration,” Vivek Sehgal[†], Lise Getoor, and Peter Viechnicki, in *Proceedings of 14th ACM International Symposium on Advances in Geographic Information Systems (ACMGIS)*, 83-90, November 2006. *Acceptance rate: 32%*
34. “D-Dupe: An Interactive Tool for Entity Resolution in Social Networks,” Mustafa Bilgic[†], Louis Licamele[†], Lise Getoor and Ben Shneiderman, in *Proceedings of the IEEE Symposium on Visual Analytics Science and Technology (VAST)*, 43-50, October 2006. *Acceptance rate: 43%*
35. “Feature Generation for Sequences: An Application to Splice Site Prediction,” Rezarta Islamaj[†], Lise Getoor and W. John Wilbur, in *Proceedings of the 10th European Conference on Principles and Practices of Knowledge Discovery in Databases (PKDD)*, 553-560, September 2006. *Acceptance rate: 20%*
36. “Is there a Grand Challenge or X-prize for Data Mining?” Gregory Piatetsky-Shapiro, Robert Grossman, Chabane Djeraba, Ronen Feldman, Lise Getoor, and Mohammed Zaki, in *Proceedings of the 12th International Conference on Knowledge Discovery and Data Mining (KDD)*, 954-956, August 2006.
37. “Inferring Organizational Titles in Online Communications,” Galileo Namata[†], Lise Getoor and Chris Diehl, *ICML Workshop on Statistical Network Analysis (ICML-SNA)*, June 2006.
38. “Predicting Protein-Protein Interactions using Relational Features,” Louis Licamele[†] and Lise Getoor, *ICML Workshop on Statistical Network Analysis (ICML-SNA)*, June 2006.
39. “Entity and Relationship Labeling in Affiliation Networks,” Bin Zhao, Prithviraj Sen[†] and Lise Getoor, *ICML Workshop on Statistical Network Analysis (ICML-SNA)*, June 2006.
40. “Relational Clustering for Entity Resolution Queries,” Indrajit Bhattacharya[†], Louis Licamele[†] and Lise Getoor, *ICML Workshop on Statistical Relational Learning (SRL)*, June 2006.
41. “Empirical Comparison of Approximate Inference Algorithms for Networked Data,” Prithviraj Sen[†] and Lise Getoor, *ICML Workshop on Statistical Relational Learning (SRL)*, June 2006.
42. “Cost-Sensitive Learning with Conditional Markov Networks,” Prithviraj Sen[†] and Lise Getoor, *SIAM Data Mining Workshop on Link Analysis, Counter-terrorism and Security (LACS)*, April, 2006.

43. “A Feature Generation Algorithm for Sequences with Application to Splice-Site Prediction,” Rezarta Islamaj[†], Lise Getoor and W. John Wilbur, *SIAM Data Mining International Workshop on Feature Selection for Data Mining: Interfacing Machine Learning and Statistics (FSDM)*, April, 2006.
44. “Bayesian Network Learning with Abstraction Hierarchies and Context-Specific Independence,” Marie desJardins, Priyang Rathod and Lise Getoor, in *Proceedings of the 16th European Conference on Machine Learning (ECML)*, 485-496, October, 2005. *Acceptance rate: 19.7%*
45. “D-Dupe: An Interactive Tool for Entity Resolution in Social Networks (poster),” Mustafa Bilgic[†], Louis Licamele[†], Lise Getoor and Ben Shneiderman, in *Proceedings of the 13th International Symposium on Graph Drawing*, 505-507, September, 2005.
46. “Capital and Benefit in Social Networks,” Louis Licamele[†], Mustafa Bilgic[†], Lise Getoor and Nick Roussopoulos, *KDD Workshop on Link Discovery: Issues, Approaches and Applications (LinkKDD)*, 44-51, August, 2005.
47. “Relational Clustering for Multi-type Entity Resolution,” Indrajit Bhattacharya[†] and Lise Getoor, *KDD Workshop on Multi Relational Data Mining (MRDM)*, 3-12, August, 2005.
48. “Deduplication and Group Detection using Links,” Indrajit Bhattacharya[†] and Lise Getoor, *KDD Workshop on Link Analysis and Group Detection*, August 2004.
49. “Iterative Record Deduplication,” Indrajit Bhattacharya[†] and Lise Getoor, *ACM SIGMOD Workshop on Research Issues in Data Mining and Knowledge Discovery (DMKD)*, 11-18, June 2004.
50. “Link-based Classification using Labeled and Unlabeled Data,” Qing Lu[†] and Lise Getoor, *ICML Workshop on The Continuum from Labeled to Unlabeled Data in Machine Learning and Data Mining*, 496-503, August 2003.
51. “Link-based Text Classification,” Qing Lu[†] and Lise Getoor, *IJCAI Workshop on Text Mining and Link Analysis*, August 2003.
52. “Multi-relational Data Mining using Probabilistic Models,” Lise Getoor, *ECML Workshop on Multi-Relational Data Mining (MRDM)* September, 2001.
53. “Probabilistic Models of Text and Link Structure for Hypertext Classification,” Lise Getoor, Eran Segal, Ben Taskar and Daphne Koller, *IJCAI Workshop on ext Learning: Beyond Supervision*, 24-29, August 2001.
54. “Using Feature Hierarchies in Bayesian Network Learning,” Marie desJardins, Lise Getoor and Daphne Koller, in *Symposium on Abstraction, Reformulation and Approximation (SARA)*, 247-259, July, 2000.
55. “Learning Probabilistic Relational Models with Structural Uncertainty,” Lise Getoor, Daphne Koller, Ben Taskar, and Nir Friedman, *AAAI Workshop on Learning Statistical Models from Relational Data (SRL)*, July, 2000.
56. “From Instances to Classes in Probabilistic Relational Models,” Lise Getoor, Daphne Koller and Nir Friedman, *ICML Workshop on Attribute-Value and Relational Learning: Crossing the Boundaries*, June, 2000.

57. “Efficient Learning using Constrained Sufficient Statistics,” Nir Friedman and Lise Getoor, in *Uncertainty99 (AI-Stats)*, January, 1999.
58. “Using Probabilistic Relational Models for Collaborative Filtering,” Lise Getoor and Mehran Sahami, *Working Notes of the KDD Workshop on Web Usage Analysis and User Profiling*, August, 1999.
59. “Using Classification Techniques for Utility Elicitation: A Comparison between Standard Gamble and Visual Analog Scale Methods,” Urszula Chajewska, Joseph Norman and Lise Getoor, *Twentieth Anniversary Meeting of the Society for Medical Decision Making (MDM’98)*, 1998.
60. “Utility Elicitation as a Classification Problem,” Ursula Chajewska, Lise Getoor and Joseph Norman, *Proceedings of the AAAI Spring Symposium Series on Interactive and Mixed-Initiative Decision-Theoretic Systems*, March, 1998.
61. “Online Scheduling for Reprographic Machines,” Lise Getoor and Markus Fromherz, *Working notes AAAI Workshop on Online Search*, July, 1997.
62. “The Collage/Khoros Link: Planning for Image Processing Tasks,” Amy Lansky, Mark Friedman, Lise Getoor, Scott Schmidler and Nick Short, Jr.. *Proceedings of the AAAI Spring Symposium on Integrated Planning Applications*, 67-76, March, 1995.
63. “Scope and Abstraction: Two Criteria for Localized Planning,” Amy Lansky and Lise Getoor, *Proceedings of the Workshop on Theory Reformulation and Abstraction*, May, 1994.
64. “Practical Planning in COLLAGE,” Amy Lansky and Lise Getoor, *Proceedings of the AAAI Fall Symposium on Planning and Learning: On to Real Applications*, 98-104, November, 1994.

2.9 Technical Reports

1. “Link-based Classification,” Prithviraj Sen[†] and Lise Getoor, University of Maryland Technical Report CS-TR-4858, February 2007.
Significantly extended version of Sen and Getoor, SRL06
2. “Social Capital in Friendship-Event Networks,” Louis Licamele[†] and Lise Getoor, University of Maryland Technical Report CS-TR-4828, September 2006.
Significantly extended version of Licamele and Getoor, ICDM06
3. “Pruning Social Networks Using Structural Properties and Descriptive Attributes,” Lisa Singh, Lise Getoor and Louis Licamele[†], Report CSTR-20051201-25, Department of Computer Science, Georgetown University, Washington, DC, December, 2005.
Significantly extended version of Singh, Getoor and Licamele, ICDM05
4. “Entity Resolution in Graph Data,” Indrajit Bhattacharya[†] and Lise Getoor, University of Maryland Technical Report CS-TR-4758, October 2005.
Significantly extended version of Bhattacharya and Getoor, DMKD04
5. “Data Sciences Technology for Homeland Security Information Management and Knowledge Discovery,” T. Kolda, D. Brown, J. Coronas, T. Critchlow, T. Eliassi-Rad, L. Getoor, B. Hendrickson, V. Kumar, D. Lambert, C. Matarazzo, K. McCurley, M. Merrill, N. Samatova,

D. Speck, R. Srikant, J. Thomas, M. Wertheimer, and P.-C. Wong, Sandia National Laboratories Technical Report SAND2005-6648, Albuquerque, NM and Livermore, CA, January 2005.

6. “A Latent Dirichlet Model for Unsupervised Entity Resolution,” Indrajit Bhattacharya[†] and Lise Getoor, University of Maryland Technical Report CS-TR-4740, August 2005.

Preliminary version of Bhattacharya and Getoor, SDM06

7. “An Investigation of Tree-Structured Bias in an Autonomous Concept Learning System,” Lise Getoor, NASA-Ames Research Center, Artificial Intelligence Research Branch, Technical Report IC-94-04, 1994.

2.10 Other Publications

1. “Multi-dimensional Trajectory Analysis for Career Histories,” Hossam Sharara[†], Daniel Halgin, Lise Getoor, and Steve Borgatti, *International Sunbelt Social Networks Conference (Sunbelt XXXI)*, January, 2011.
2. “AI Theory and Practice: A Discussion on Hard Challenges and Opportunities Ahead,” Eric Horvitz, Lise Getoor, Carlos Guestrin, James A. Hendler, Joseph A. Konstan, Devika Subramanian, Michael P. Wellman and Henry A. Kautz. *AI Magazine*, Volume 31, Number 3, 2010.
3. “Active Surveying for Leadership Identification,” Hossam Sharara[†], Myra Norton, and Lise Getoor, in *International Sunbelt Social Networks Conference (Sunbelt XXX)*, July, 2010.
4. “Collective Classification in Network Data,” Prithvi Sen[†], Mustafa Bilgic[†], and Galileo Namata[†], Lise Getoor, Brian Gallagher and Tina Eliasi-Rad. *AI Magazine*, Volume 29, Number 3, 2009.
5. “Entity Resolution in Network Data,” Lise Getoor, *International Conference on Network Science*, May 2006.
6. “Entity Resolution in Social Networks,” Indrajit Bhattacharya[†] and Lise Getoor, *International Sunbelt Social Network Conference (Sunbelt XXVI)*, April 2006.
7. “Workshop Report: Mining for and from the Semantic Web at KDD 2004,” Andreas Hotho, York Sure, and Lise Getoor, *SIGKDD Explorations*, volume 6, issue 2, 142-143, 2004.
8. “AAAI 2000 Workshop Reports,” Lise Getoor and David Jensen, *AI Magazine*, volume 22, number 1, 127-136, 2001.

2.11 Talks, Abstracts, and Other Professional Papers Presented

- Invited Tutorial, Conference on Neural Information Processing (NIPS), December 2012.
- Distinguished Lecture, Notre Dame University, November, 2012.
- Invited Speaker, UC Irvine, November, 2012.
- Panelist, “Challenges in Big Data: Discoveries at the Fringe of Science”, at the AAAI Fall Symposium on Discovery Informatics, November 2012.
- Invited Speaker, WIN Workshop on Information in Networks, September 2012.

- Tutorial, “Entity Resolution: Theory, Practice and Open Challenges,” International Conference on Very Large Data Bases (VLDB), joint with Ashwin Machanavajjhala, Istanbul, TK, August 2012.
- Tutorial, “Entity Resolution for Social Network Analysis and Mining,” IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining(ASONAM), joint with Ashwin Machanavajjhala, Istanbul, TK, August 2012.
- Tutorial, “Entity Resolution: Theory, Practice and Open Challenges,” National Conference on Artificial Intelligence (AAAI), joint with Ashwin Machanavajjhala, Toronto, CA, July 2012.
- Invited Speaker, ICML Workshop on Statistical Relational Learning, June 2012.
- Invited Speaker, ISI/USC AI Seminar Series, June 2012.
- Invited Speaker, Sante Fe Institute Workshop on Networks and the Power Grid, May 2012.
- Invited Speaker, Microsoft Research Speaker Series, May 2012.
- Invited speaker, CRA-W/CDC Distinguished Lecture Series (DLS), as part of Capital Region Celebration of Women in Computing, April 2012.
- Invited Speaker, CMU Machine Learning-Google Distinguished Lecture Series, March 2012.
- Invited Speaker, Network Links: Connecting Social, Communication, and Biological Network Analysis, University of Minnesota, Institute for Mathematics and its Applications (IMA), February 2012.
- Invited Speaker, UMD HCIL Summer Social Webshop, August, 2011.
- Tutorial, “Learning Statistical Models from Relational Data,” ACM International Conference on Management of Data (SIGMOD), joint with Lily Mihalkova, Athens, GR, June, 2011.
- Invited Speaker, “Collective Entity Resolution,” Person Validation and Entity Resolution Conference, United States Census Bureau, Washington, DC, May 2011.
- Tutorial, “Exploiting Statistical & Relational Information on the Web and in Social Media,” Eleventh SIAM International Conference on Data Mining (SDM), joint with Lily Mihalkova, Phoenix, AZ, April, 2011.
- Invited Speaker, Yahoo! Seminar Series in Machine Learning, Rutgers, NJ, April 2011.
- Invited Speaker, DIMACS Workshop on Data Quality Metrics, Rutgers, NJ, February 2011.
- Tutorial, “Exploiting Statistical & Relational Information on the Web and in Social Media ,” Fourth ACM International Conference on Web Search and Data Mining (WSDM), joint with Lily Mihalkova, Hongkong, CH, February, 2011.
- Invited Speaker, NIPS Workshop on Challenges of Data Visualization, Whistler, BC, December 2010.
- Invited Speaker, NIPS Workshop on Networks Across Disciplines: Theory and Applications, Whistler, BC, December 2010.

- Invited Speaker, UC Riverside Department Seminar, November, 2010.
- Invited Speaker, The NEH/IPAM Summer School on Networks and Network Analysis for the Humanities, UCLA, CA, August 2010.
- Tutorial, “Exploiting Statistical & Relational Information on the Web and in Social Media: Applications, Techniques, and New Frontiers ,” National Conference on Artificial Intelligence (AAAI), joint with Lily Mihalkova, Atlanta, GA, July, 2010.
- Invited Speaker, The Ninth International Symposium on Data Analysis, Tuscon, AZ, May 2010.
- Invited Speaker, DIMACS Workshop on Statistical Issues in Analyzing Information from Diverse Sources Rutgers, NJ, May 2010.
- Invited Talk, Computer Science Colloquium, Rensselaer Polytechnic Institute, October, 2009.
- Invited Talk, SystemsETH, ETH, Zurich, Switzerland, April, 2009.
- Invited Talk, Jozef Stefan Institute, Ljubljana, Slovenia, March, 2009.
- Invited Talk, Stanford InfoSeminar, January, 2009.
- Invited Talk, Google, December, 2008.
- Invited Talk, Price-Waterhouse Cooper, December, 2008.
- Invited Talk, Sante Fe Institue Workshop on Statistical Inference in Complex Networks, December, 2008.
- Invited Speaker, SIAM Annual Meeting, San Diego, CA, July, 2008.
- Tutorial, “Data and Metadata Alignment: Concepts and Techniques,” IEEE International Conference on Data Engineering, joint with Renee Miller, Cancun, MX, April, 2008.
- Invited Speaker, Distinguished Lecture Series, University of Southern Alabama, February, 2008.
- Invited talk, “Finding the Information in Information Networks,” NASA Goddard Information Science & Technology Colloquium Series, February, 2008.
- Invited Speaker, Distinguished Lecture Series, University of Michigan, November, 2007.
- Invited talk, University of Wisconsin, November, 2007.
- Invited talk, SAIL, MIT, October, 2007.
- Tutorial, “Data and Metadata Alignment,” Alberto Mendelzon Workshop on Foundations of Databases and the Web, Punta del Este, Uruguay, October, 2007.
- Invited talk, International Conference on Scalable Uncertainty Management (SUM), Washington, DC, October, 2007.
- Invited talk, Workshop on the Management of Uncertain Data, at the Conference on Very Large Databases, Vienna, Austria, September, 2007.

- Tutorial, “An Introduction to Statistical Relational Learning,” European Conference on Machine Learning, Warsaw, Poland, September, 2007.
- Invited Panelist, “Privacy Challenges and Opportunities for Sharing and Mining Weblogs,” International Workshop on Privacy, Security and Trust, Knowledge Discovery and Data Mining Conference, August, 2007.
- Invited Speaker, “Statistical Relational Learning,” PROGIC: Third Workshop on Combining Probability and Logic, Canterbury, UK, September, 2007.
- Keynote Speaker, “Graph Identification,” Mining and Learning with Graphs, Florence, Italy, August, 2007.
- Invited Speaker, “Graph Identification,” The National Conference on Artificial Intelligence, Vancouver, British Columbia, July, 2007.
- Invited talk, “Graph Identification,” Naval Research Laboratory (NRL), July, 2007.
- Invited Panelist, “The Next Ten Years of Relational Learning,” Inductive Logic Programming Conference (ILP), June, 2007.
- Panelist, Social Network Marketing, hosted by Mario Armstrong, The Center Club, Baltimore, MD, March, 2007.
- Invited talk, “Statistical Relational Learning: Entity Resolution and Link Prediction,” CMU Intelligence Seminar, March, 2007
- Invited Talk, “Statistical Relational Learning and Entity Resolution,” Lawrence Livermore National Laboratory, December, 2006.
- Panelist, The Future of Computer Science, UMD CS Department, December, 2006.
- Speaker, Informatics Maryland 2006, November, 2006.
- Invited Talk, “Statistical Relational Learning: Theory and Applications,” New York Academy of Science Machine Learning Symposium, October, 2006.
- Invited Talk, “Statistical Relational Learning: Theory and Applications,” Workshop on Women in Machine Learning, Grace Hopper Conference, October, 2006.
- Presentation, “Statistical Relational Learning: A Quick Intro,” Workshop on Uncertain and Probabilistic Databases (UPDB), Stanford University, September, 2006.
- Invited Panelist, “Grand Challenges for Data Mining,” Knowledge Discovery and Data Mining Conference, August, 2006.
- Invited Talk, “Entity Resolution in Relational Data,” University of Trento, May, 2006.
- Invited Talk, “Link Mining and Entity Resolution,” University of Waterloo, April, 2006.
- Invited Talk, “Link Mining,” University of Texas at Austin, February, 2006.
- Presentation, “Link Mining and Entity Resolution,” Workshop on Knowledge Discovery and Dissemination, November, 2005.

- Invited Speaker, “An Introduction to Probabilistic Relational Models for Biological and Clinical Applications,” Knowledge-Based Bioinformatics Workshop, Montreal, Canada, September, 2005.
- Joint Invited Tutorial on *Statistical Relational Learning* at the International Machine Learning Conference and the Inductive Logic Programming Conference, Bonn, Germany, August, 2005.
- Tutorial on *Representation, Inference and Learning in Relational Probabilistic Languages*, with Avi Pfeffer, at the *International Joint Conference on Artificial Intelligence*, Edinburgh, Scotland, July, 2005.
- Invited Talk, “Statistical Relational Learning and Link Mining,” Johns Hopkins Applied Physics Lab (JHUAPL), June, 2005.
- Invited Talk, “Statistical Relational Learning and Link Mining,” University of Illinois at Urbana-Champaign, November, 2004.
- Invited Talk, “Statistical Relational Learning and Link Mining,” Purdue, November, 2004.
- Presentation, “Link Mining and Discovery,” Workshop on Knowledge Discovery and Dissemination, Arlington, VA, September, 2004.
- Invited talk, “Link Mining,” KDD Workshop on Multi-Relational Data Mining, August, 2004.
- Invited talk, “Statistical Relational Learning,” George Mason University, April, 2004.
- Invited talk, “Statistical Relational Learning,” AI and Statistics Seminar Series, UC Irvine, December, 2003.
- Invited talk, “Link Mining,” Workshop on Knowledge Fusion, Cambridge, MD, November, 2003.
- Presentation, “Link Mining,” Workshop on Knowledge Discovery and Dissemination, Arlington, VA, November, 2003.
- Invited talk, “Learning Statistical Models from Relational Data,” Georgetown University, September, 2003.
- Invited talk, “Link Mining,” Workshop on Statistical Inference, Computation and Graph Visualization, Stanford, CA, August, 2003.
- Invited talk, “Selectivity Estimation using Probabilistic Models,” North Eastern Database Society, April, 2003.
- Invited talk, “Selectivity Estimation using Probabilistic Models,” CMU/Pitt Database series, April, 2003
- Talk, “Learning Statistical Models from Relational Data,” MIT, April, 2003
- Talk, “Learning Statistical Models from Relational Data,” UMass Amherst, April, 2003
- Invited talk, “Learning Statistical Models from Relational Data,” University of Toronto, March 2003.

- Invited Talk, “Learning Statistical Models from Relational Data,” University of Montreal, March 2003.
- Series of four tutorials, “Learning Probabilistic Relational Models,” at ISI/USC, June-July, 2002.
- Invited talk, “Learning Structured Statistical Models from Relational Data,” Machine Intelligence 19, UK. September, 2002.
- Invited talk, “Learning Statistical Models from Relational Data,” Summer School on Relational Data Mining, Helsinki, FI. August, 2002.
- Invited talk, “Learning Statistical Models from Relational Data,” University of Alberta, Canada. April, 2002.
- Invited talk, “Learning Statistical Models from Relational Data,” Information Sciences Institute (ISI). December, 2001.
- Invited talk, “Learning Statistical Models from Relational Data,” University of Pisa, Italy. September, 2001.
- Invited talk, “Selectivity Estimation using Probabilistic Models,” IBM Almaden. July, 2001.
- Invited talk, “Learning Probabilistic Relational Models,” NASA-Ames Research Center, September 2000.
- Talk, “An Introduction to Graphical Models for Tuberculosis Diagnosis,” San Francisco Tuberculosis Clinic, March 2000.
- Talk, “Learning Probabilistic Relational Models,” Hewlett-Packard Labs, June 1999.
- Invited talk, “Learning Probabilistic Relational Models,” Naval Research Laboratory (NRL), May 1999.
- Invited talk, “Scope and Abstraction in Constraint-based Planning,” AI Laboratory, Swiss Federal Institute of Technology (EPFL), Lausanne, Switzerland, July 1994.
- Invited talk, “Scope and Abstraction in Constraint-based Planning,” Mechanized Reasoning Group, Istituto per la Ricerca Scientifica e Tecnologica (IRST), Trento, Italy, July 1994.
- Panel member, *AAAI Fall Symposium on Planning and Learning: On to Real Applications*, November 1994.

2.12 Contracts and Grants

1. “A Theoretical Framework for Practical Entity Resolution in Network Data,” NSF, **PI**, 9/01/2012 - 8/31/2015, \$500,000. (current)
2. ”Learning and Predicting Ties in Social Networks, ” Subcontract Virginia Polytechnic Institute, Prime contract IARPA, **co-PI**, 4/9/2012 - 4/8/2015, \$2,142,158. (current, UMD portion listed out of \$15M total)

3. "Video Indexing and Search with Event Recounting (VISER) under the ALLADIN Program," Subcontract Raytheon Technologies Corp., Prime contract IARPA, **co-PI**, 2/14/2011 - 8/31/2015, \$1,750,000. (current)
4. "Q12D Collaborative System," Maryland Industrial Partnerships (MIPS), **PI**, 9/01/2011 - 9/01/2012, \$107,489. (current)
5. Yahoo! Machine Learning Seminar Series, Yahoo!, **PI**, November 2011, \$5,000. (current)
6. "Detection, Explanation and Prediction of Emerging Network Developments (DEPEND)," DARPA, **PI**, 9/15/2010 - 9/30/2014, \$977,755. (current)
7. "Collaborative Research: Foundations of Comparative Analytics for Uncertainty in Graphs," National Science Foundation, **PI**, 10/01/2009 - 9/30/2013, \$435,187. (current, UMD portion listed)
8. "Managing Large-scale Uncertain Data Repositories," National Science Foundation, **co-PI**, 10/01/2009 - 9/30/2011, \$498,538. (current)
9. "Graph Identification," NSF CAREER Award, **PI**, 4/01/2008 - 3/31/2013, \$500,000. (current)
10. "Statistical Relational Learning for Heterogeneous Sensor Networks," ARO, **PI**, 7/01/2008 - 9/15/2012, \$360,000.
11. "Incorporating Human Inputs into Data Integration Systems," Yahoo! Faculty and Engagement Program (FREP), **co-PI**, April 2011, \$12,000. (current)
12. "Declarative Machine Learning and Graph Analytics on Hadoop," IBM Gift, **co-PI**, December 2010, \$140,000. (current)
13. Yahoo! Faculty and Engagement Program (FREP), **PI**, October 2010, \$20,000.
14. "Probabilistic Alignment and Distributed Analysis (PADA)," Science Applications International Corporation, **PI**, 10/01/2010 - 12/31/2011, \$308,000.
15. "2010 Information, Integration and Informatics PI Workshop," NSF, **co-PI**, 3/01/2010 - 2/28/2011, \$27,207.
16. "Enhanced Opinion Leader Identification & Comparative Analysis," Maryland Industrial Partnerships (MIPS), **PI**, 9/01/2009 - 2/01/2011, \$187,440.
17. "Role Prediction and Differentiation in Evolving Semantic Graphs," Lawrence Livermore National Laboratory, **PI**, December 2007 - Dec, 2008, \$50,000.
18. "Modularity, Differentiation and Contagion in Network Data," Microsoft Gift, **PI**, June 2007, \$50,000.
19. "Scalable Entity Resolution for Google Services," Google Research Award, **PI**, January 2007, \$63,000.
20. "Link Mining and Discovery," National Science Foundation, **PI**, 6/01/03 - 7/31/08, \$400,000.
21. "SOD: Data and Meta-Data Integration Maintenance," National Science Foundation, **PI**, 1/01/04 - 12/31/09, \$510,200.

22. "Statistical Relational Learning as an Enabling Technology for Data Acquisition and Data Fusion in Heterogeneous Sensor Networks," ARO, **PI**, June 2007, \$50,000.
23. "Role Discovery in Evolving Semantic Graphs," Lawrence Livermore National Laboratory, **PI**, 3/1/07 - 7/31/07, \$50,000.
24. "Entity Resolution in Geospatial Data," NGA Supplement to "Link Mining and Discovery," National Science Foundation, **PI**, February 1, 2006 - July 31, 2007, \$100,000.
25. "Statistical Relational Learning for the Semantic Web," NGA Supplement to "Link Mining and Discovery," National Science Foundation, **PI**, February 1, 2005 - July 31, 2006, \$200,000.
26. "Link-based Entity Resolution and Object Consolidation," KDD Supplement to "Link Mining and Discovery," National Science Foundation, **PI**, February 1, 2005 - July 31, 2006, \$165,709.
27. NGA Supplement to "Link Mining and Discovery," National Science Foundation, **PI**, February 1, 2004 - January 31, 2005, \$200,000.
28. "Identifying and Visualizing Changing Patterns in Relational Data," subcontract UMBC/NIMA, **PI**, September 15, 2002 - September 29, 2004, \$198,219. (UMD portion listed)
29. "Mediation Technology for Biological Pipeline Analysis," National Science Foundation, **Co-PI**, October 1, 2004 - September 30, 2007, \$550,000.
30. "Knowledge Integration Research Initiative," ARL contract, August 1, 2003 - January 31, 2004, PIs: V.S. Subrahmanian, Jim Hendler, Ben Bederson, Larry Davis and Lise Getoor, \$700,000.
31. "Jaguar," Lockheed Martin, September 15, 2004 - September 15, 2009, PI: Jim Hendler, \$700,787.
32. "Human Activity Analysis and Recognition using Distributed Cameras," July 1, 2002 - June 30, 2003, PIs: Rama Challapa and Larry Davis, \$364,799.

2.13 Professional Service

- **Editor:** Morgan & Claypool Synthesis Lectures on Data Mining and Knowledge Discovery, 2009 - present.
- **Board Member:** elected to Board of Directors, International Machine Learning Society, December, 2009.
- **Associate Editor:** ACM Transactions on Knowledge Discovery from Data, January 2008 - April 2011.
- **Associate Editor:** Journal of Artificial Intelligence (JAIR), July 2006 - July 2009.
- **Action Editor:** Machine Learning Journal (MLJ), June 2007 - June 2010.
- **Editorial Board:** Journal of Artificial Intelligence (JAIR), March 2005 - March 2008. Machine Learning Journal (MLJ), April 2004 - December 2006.
- **AAAI Councilor**, elected 2004 for three year term.

- **PC co-chair:** International Conference on Machine Learning (ICML), July, 2011.
- **Co-organizer:** “Mining and Learning from Graphs,” July, 2010.
- **Co-organizer:** NSF III PI Workshop on Information, Integration and Informatics, April, 2010.
- **Panalist,** Aspen Institute Roundtable on “Big Data,” August, 2009.
- **Co-organizer:** “Statistical Models of Networks,” NIPS workshop, December, 2008.
- **Co-organizer:** “Probabilistic, Logical and Relational Learning,” Dagstuhl workshop, April, 2007.
- **Co-chair:** “Open Problems in Statistical Relational Learning (SRL06)” workshop at International Conference on Machine Learning, June, 2006.
- **Co-organizer:** “Probabilistic, Logical and Relational Learning—Towards a Synthesis,” Dagstuhl workshop, February, 2005.
- **Organizing Committee:** “DHS Data Sciences Workshop,” DHS Advanced Scientific Computing (ASC) Requirements workshop, September, 2004.
- **Organizing Committee:** “Mining for and from the Semantic Web,” workshop at the International Conference on Knowledge Discovery and Data Mining, August, 2004.
- **Co-chair:** “Statistical Relational Learning and its Connections to Other Fields (SRL04)” workshop at International Conference on Machine Learning, July, 2004.
- **Co-chair:** “Learning Statistical Models from Relational Data (SRL03)” workshop at International Joint Conference on Artificial Intelligence, July, 2003.
- **Publications chair:** International Conference on Knowledge Discovery and Data mining, August, 2003.
- **Co-chair:** “Learning Statistical Models from Relational Data (SRL00)” workshop at Seventeenth National Conference on Artificial Intelligence, July, 2000.
- **Senior Program Committee Member or Area Chair:**
 - Conference on Uncertainty in Artificial Intelligence UAI 2013
 - International Conference on Machine Learning ICML 2013
 - International Conference on Weblogs and Social Media ICWSM 2013
 - Conference on Uncertainty in Artificial Intelligence UAI 2012
 - International Conference on Knowledge Discovery and Data Mining KDD 2012
 - International Conference on Weblogs and Social Media ICWSM 2012
 - National Conference on Artificial Intelligence AAAI 2011
 - International Conference on Knowledge Discovery and Data Mining KDD 2010
 - International Conference on Weblogs and Social Media ICWSM 2010
 - International Conference on Knowledge Discovery and Data Mining KDD 2009

- International Joint Conference on Artificial Intelligence IJCAI 2009
- International Conference on Machine Learning ICML 2008
- National Conference on Artificial Intelligence AAAI 2008
- SIAM Data Mining Conference SDM 2008
- International Conference on Machine Learning ICML 2007
- National Conference on Artificial Intelligence AAAI 2007
- SIAM Data Mining Conference SDM 2007
- Conference on Uncertainty in Artificial Intelligence UAI 2006
- International Conference on Machine Learning ICML 2006
- National Conference on Artificial Intelligence AAAI 2006
- International Conference on Knowledge Discovery and Data Mining KDD 2006
- SIAM Data Mining Conference SDM 2006
- International Conference on Machine Learning ICML 2005
- International Conference on Machine Learning ICML 2004

Conference Program Committee Member:

- IEEE International Conference on Social Computing, 2011.
- International Conference on Advances in Social Networks Analysis and Mining ANOSAM 2010
- International Conference on Inductive Logic Programming ILP 2010
- International World Wide Web Conference WWW 2009
- International Conference on the Semantic Web ICSW 2009
- IEEE International Conference on Social Computing, 2009.
- International Conference on Very Large Databases VLDB 2008
- International Conference on Management of Data SIGMOD 2006
- International Conference on Very Large Databases VLDB 2006
- International Conference on Inductive Logic Programming ILP 2005
- International Conference on Artificial Intelligence IJCAI 2005
- Artificial Intelligence & Statistics AI & STAT 2005
- Conference on Uncertainty in Artificial Intelligence UAI 2004
- National Conference on Artificial Intelligence AAAI 2004
- International Conference on Very Large Databases VLDB 2004
- International Conference on Management of Data SIGMOD 2004
- International Conference on Machine Learning ICML 2003
- International Conference on Artificial Intelligence IJCAI 2003
- Conference on Uncertainty in Artificial Intelligence UAI 2003
- European Conference on Machine Learning ECML 2003
- International Conference on Inductive Logic Programming ILP 2003

- International World-Wide Web Conference WWW 2003
- Conference on Uncertainty in Artificial Intelligence UAI 2002
- National Conference of the American Association of Artificial Intelligence AAAI 2002
- International Conference on Logic Programming ILP 2002

Workshop Program Committee Member:

- QDB 2012 International Workshop on Quality in Databases, VLDB 2012.
- Workshop on Entity-Oriented Search, SIGIR 2011.
- Workshop on Link Analysis in Heterogeneous Information Networks, IJCAI, July, 2011.
- Workshop on Machine Learning for Social Computing, NIPS, December, 2010.
- TextGraphs-5: Graph-based Methods for Natural Language Processing, 2010.
- ECML/PKDD Workshop: Dynamic Networks and Knowledge Discovery (DyNaK 2010), September, 2010.
- Workshop on Social Media Analytics (SOMA), KDD Workshop, July, 2010.
- SemSearch, Semantic Search 2010 Workshop, WWW, April, 2010.
- CIKM 2009 workshop: Complex Networks meet Information & Knowledge Management (CNIKM), November, 2009.
- ACL-IJCNLP 2009 Workshop, TextGraphs-4, Graph-based Methods for Natural Language Processing, August, 2009.
- Third International Workshop on Social Network Mining and Analysis (SNA-KDD), KDD Workshop, June 2009.
- LACTS 2009 Workshop, Workshop on Link Analysis, Counterterrorism and Security (Adversarial Data Analysis), SIAM International Data Mining Conference, May, 2009.
- SemSearch, Semantic Search 2009 Workshop, WWW workshop, April, 2009.
- The First International Workshop on Emails in e-Commerce and Enterprise Context (E3C), CEC, 2009.
- Second International Workshop on Social Network Mining and Analysis (SNA-KDD 2008), KDD Workshop.
- First ACM Workshop on AISec, ACM Conference on Computer and Communications Security, 2008.
- Semantic Search 2008 Workshop, European Semantic Web Conference, 2008
- TextGraphs-3: Graph-based Methods for Natural Language Processing, HLT Workshop, 2008
- Second Workshop on Analytics for Noisy Unstructured Text Data (AND), SIGIR Workshop, 2008
- Workshop on Mining Graphs and Complex Structures (MGCS), ICDM 2007
- First Workshop on Analytics for Noisy Unstructured Text Data (AND), IJCAI Workshop, 2007
- Management of Uncertain Data (MUD) Workshop, VLDB 2007
- Multi-Relational Data Mining Workshop (MRDM), ECML 2007

- SigKDD Workshop on Web Mining and Social Network Analysis (SNAKDD), KDD 2007
 - Multi-Relational Data Mining Workshop (MRDM), KDD 2003
 - Workshop on Data Cleaning and Record Linkage, KDD 2003
 - Workshop on Information Integration on the Web (IIWeb), IJCAI 2003
 - Multi-Relational Data Mining Workshop (MRDM), KDD 2002
 - Symposium on Abstraction, Reformulation and Approximation, SARA 2002
 - ACM Workshop on Data Mining and Knowledge Discovery, DMKD 2002
 - Workshop on Next Generation Information Technologies and Systems, NGITS 2002
 - Workshop on Software Support for Bayesian Analysis Systems, NIPS 2000
 - Symposium on Abstraction, Reformulation and Approximation, SARA 2000
- **Reviewer:** SIGART/AAAI Doctoral Consortium, Journal of Artificial Intelligence Research, IEEE Transactions on Knowledge and Data Engineering, Very Large Databases Journal, and Journal of Logic and Computation.
 - NSF Panelist: 2002, 2003, 2005, 2007, 2009, 2010, 2011.
 - Member of NSF CISE Advisory Board, Committee of Visitors (COV) Review Panel, December, 2005.

2.14 Fellowships, Prizes and Awards

1. Best paper award at *ASE International Conference on Social Informatics*, 2012.
2. Best paper award at *8th Annual Collaboration, Electronic messaging, Anti-Abuse and Spam Conference (CEAS)*, 2011.
3. CAREER Award, NSF, 2008.
4. Best Student Paper Award at *ACM Knowledge Discovery and Data Mining Conference (KDD)*, 2008.
5. Speaker, Distinguished Lecture Series, University of Southern Alabama, February, 2008.
6. Speaker, Distinguished Lecture Series, University of Michigan, November, 2007.
7. Invited Speaker, “Graph Identification,” The National Conference on Artificial Intelligence, Vancouver, British Columbia, July, 2007.
8. Best Paper Award, *SIAM Data Mining Conference (SDM)*, 2006.
9. Finalist, Microsoft New Faculty Fellowship, 2005. One of 11 finalists chosen nationally.
10. National Physical Sciences Consortium Fellowship, 1995-2001.
11. Best Student Paper Award, Uncertainty in Artificial Intelligence, 1998.
12. Recipient of Aion Key Contributor Award, 1992.
13. Recipient of Aion Teammate Award, 1991.
14. Zorvich Fellowship, University of California, Berkeley, 1988.
15. Tau Beta Pi, 1984-86.

3 Teaching, Advising and Mentoring

3.1 Course and Curriculum Development

1. CMSC 828L - Link Mining. Spring 2012. New seminar focused on entity resolution.
2. CMSC 828L, Advanced Machine Learning: Combining Statistical and Logical Approaches. Spring 2010.
3. CMSC 828G, Link Mining and Dynamic Graph Analysis. Spring 2008.
4. CMSC 828G - Statistical Relational Learning and Link Mining (Spring 2005). Created new course on statistical relational learning.
5. CMSC 726 - Introduction to Machine Learning (Spring 2004, Spring 2005, Fall 2010). The course presents both statistical pattern recognition and machine learning algorithms.
6. CMSC 828G - Data Mining (Spring 2002). Created a new graduate data mining curriculum. The course presents a statistical foundation for data mining.
7. CMSC 421 - Artificial Intelligence (Fall 2002, Fall 2003, Fall 2005, Fall 2006, Spring 2007, Fall 2011). Undergraduate introduction to Artificial Intelligence course. Significant redesign, Fall 2011.
8. Reading Group in Link Analysis and Graph Mining - Summer 2003
9. Reading Group in Data Mining - Fall 2003
10. Reading Group in Graphical Models - Spring 2003

3.2 Advising: Research Advisor

3.2.1 Doctoral (current)

- Walaa Eldin Moustafa (joint with Amol Deshpande), 2008 to present. Expected Graduation: Spring 2013.
- Stephen Bach, 2010 to present. Expected Graduation: Spring 2014.
- Jay Pujara, 2010 to present. Expected Graduation: Spring 2014.
- Theodoros Rekatsinas, 2010 to present. Expected Graduation: Spring 2014.
- Ben London, 2010 to present. Expected Graduation: Spring 2014.
- Alex Memory, 2011 to present. Expected Graduation: Spring 2015.

3.2.2 Postdocs

- Bert Huang, current.
- Angelika Kimmig, current.
- Stanley Kok, 2010-2011. current position: Assistant Professor, Singapore University of Technology and Design.
- Lily Mihalkova, 2009-2011. current position: software engineer, Google.

3.2.3 PhD (graduated)

- Hossam Sharara, May 2012. current position: Software Engineer, Google.
- Galileo Namata, May 2012. current position: Data Science Engineer, VerSign, Inc.
- Louis Licamele, January 2012. current position: Head of Informatics, Vanda Pharmaceuticals, Inc.
- Elena Zheleva, August 2011. current position: Data Scientist, LivingSocial.
- Mustafa Bilgic, August 2010. current position: Assistant Professor, Illinois Institute of Technology, Chicago.
- Prithviraj Sen (joint with Amol Deshpande), December 2009. current position: Research Staff Member, IBM, Almaden.
- Rezarta Islamaj, December 2007. Research Fellow, National Center for Biotechnology Information, National Library of Medicine.
- Indrajit Bhattacharya, December 2006. current position: Assistant Professor, Indian Institute of Science, Bangalore, India.

3.2.4 Masters (graduated)

- Bradley Skaggs, 2011.
- Vivek Sehgal, 2007. current position: Senior Research Engineer, Compass Labs.
- Qing Lu, 2004.

3.2.5 Undergraduates (graduated)

- Hitesh Maidasani, 2012.
- Jeremy Valentine, 2012.
- Brandon Huak, 2012.

3.3 Advising: Ph.D. Proposal Committees (UMD)

1. Hassan Sayyadi, Feb 2012.
2. John Alexis Guerra-Gomez, Feb 2012.
3. Daozheng Chen, July 2011.
4. Bo Liu, June 2011.
5. Matthias Broecheler, May 2011.
6. Behjat Siddiquie, April 2011.
7. Krist Wongsuphasawat, April 2010.
8. Behjat Siddiquie, April 2010.

9. Balaji Vasan Srinivasan, April 2010.
10. Chang Hu, February 2010.
11. Jinwook Seo, May 2005.
12. Bill Kules, graduated.
13. Jen Golbeck, graduated.
14. Edward Hung, graduated.
15. Hilary Hutchinson, graduated.
16. Rob Ross, graduated.
17. Cengiz Celik, graduated.
18. Carl Anderson, current.
19. Yannis Sismanis, graduated.
20. Antonios Deligiannakis, graduated.
21. Marat Fayzullin, graduated.
22. Dimitrios Tsoumakos, graduated.
23. Okan Kolak, graduated.
24. Yu Deng, graduated.
25. Nargess Memarsadeghi, graduated.
26. Adam Perer, graduated.
27. Vikas Raykar, graduated.

3.4 Ph.D. Defense Committees (UMD)

1. Thuan Huynh, May 2012.
2. Krist Wongsuphasawat, April 2012.
3. Matthias Broecheler, November 2011.
4. Bhargav Kanagal Shamanna, July 2011.
5. Avinash Varna (EE), Dean's representative. March 2011.
6. Vlad Morariu, November 2010.
7. Nitin Madnani, May 2010.
8. Jae-Yoon Jung, August 2007
9. Vikas Raykar, May 2007.

10. Nargess Memarsadeghi, May 2007.
11. Alvaro Cardenas (EE), December 2006.
12. Dimitris Tsoumakos, December 2006.
13. Cengiz Celik, May 2006.
14. Bill Kules, May 2006.
15. Yu Deng, May 2006.
16. Okan Kolak, December 2005.
17. Antonios Deligiannakis, August 2005
18. Rob Ross, August 2005.
19. Jinwook Seo, May 2005.
20. Jen Golbeck, May 2005.
21. Edward Hung, May 2005.
22. Amit Juneja (EE), December 2004.
23. Marat Fayzullin, December 2004.
24. Yannis Sismanis, May 2004.

3.5 Advising: Ph.D. Proposal Committees (External)

1. Ming Hau, Simon Frasier University, December, 2009.
2. Mark Dredze, University of Pennsylvania (PENN), January, 2009.
3. Vitor Carvalho, Carnegie Mellon University (CMU), July, 2008.

3.6 Mentoring

- Invited Speaker at the CRA-W Workshop at the Grace Hopper Conference on Women in Computing, October 2010.
- “Phinished: Now What?” presentation on post-PhD career opportunities, given yearly in the How to Do Research course, and several other venues.
- Invited Speaker at the Women in Machine Learning Workshop at the Grace Hopper Conference on Women in Computing, October 2006.

4 Service

4.1 Departmental Service

- Search Committee chair, 2012-2013.
- Salary Committee, 2012-2013.
- Co-organizer AI Day, April 2012.
- Co-organizer Yahoo! ML Seminar, Spring 2012.
- Organized and funded AI Social, 2011.
- Department Council, 2011-2012.
- Salary Committee, 2010-2011.
- Admissions Committee, 2010.
- Salary Committee, 2009-2010.
- Hiring Committee, 2009-2010.
- Graduate Student Review, 2009-2010.
- Department Council, 2006-2007.
- Faculty Recruitment (two searches), 2005-2006.
- Department Council, 2005-2006.
- Faculty Recruitment, 2004-2005.
- Department Council, 2004-2005.
- Retreat committee on Graduate Admittance, Recruitment, Retention and Graduation, 2003.
- Faculty Recruitment, 2003-2004.
- Department Council, 2003-2004.
- Organized (and funded) AI@UMD seminar series, 2003.
- Organized (and funded) AI Social, 2002-2006.
- Organized AI Day, April 2007.

4.2 University

- UMIACS APT Committee, 2011-2012.
- CBCB Director Search, 2011-2012.
- UMIACS Steering Committee, 2010-2011.
- UMIACS Director Search Committee, 2010.
- Applied Statistics Field Committee in the AMSC Program.
- UMIACS Steering Committee, 2006-2007.
- UMIACS APT Committee, 2005-2006.
- CS Chair Review Committee, 2004.
- UMIACS APT Committee, 2002-2003.
- Research Review Day, 2002-2003.