

Lise Getoor
Curriculum Vitae
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Computer Science Department
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EMPLOYMENT HISTORY

2013– Professor, University of California Santa Cruz
2013– Adjunct Professor, University of Maryland, College Park
2013 Professor, University of Maryland, College Park
2012 Visiting Researcher, Institute for Information Studies, ISI/USC
2008–2013 Associate Professor, University of Maryland, College Park
2009 Visiting Researcher, Josef Stefan Institute, Ljubljana, Slovenia
2008 Visiting Professor, Computer Science Department, UC Santa Cruz
2008 Visiting Researcher, Microsoft Silicon Valley
2001–2007 Assistant Professor, University of Maryland, College Park
1995–2001 Research Assistant, Computer Science Department, Stanford University
1996 Intern, Xerox PARC, Palo Alto, CA
1992–1995 Research Associate, NASA Ames Research Center, Mountain View, CA
1989–1992 Software Engineer, Aion Corporation, Palo Alto, CA

EDUCATION

2001 Ph.D., Computer Science, *Learning Statistical Models from Relational Data*. Stanford University. (Advisor: Daphne Koller)
1989 M.S. Computer Science, *The Instance Description Language: How it can be derived and the use of its Derivation*. University of California, Berkeley. (Advisor: Stuart Russell)
1986 B.S. Computer Science with *Highest Honors* University of California, Santa Barbara.

RESEARCH FUNDING

- G37. Principal Investigator, National Institute of Health (NIH), *Aligning Familial Relations Using an Open World Model (Year 2)*, 2015-2016, \$55,000.
- G36. Principal Investigator, Subcontract Virginia Polytechnic Institute, Prime contract Intelligence Advanced Research Projects Activity (IARPA), *EMBERS: Early Model-Based Event Recognition using Surrogates*, 2015-2016, \$120,000.
- G35. Principal Investigator, National Institute of Health (NIH), *Aligning Familial Relations Using an Open World Model (Year 1)*, 2014-2015, \$44,627.
- G34. Principal Investigator, Google Faculty Award, *Scalable, Dynamic Knowledge Graph Identification*, 2014, \$62,000.

- G33. Principal Investigator, Adobe Faculty Award, *Cross-Device Graph-based Entity Resolution*, 2014, \$50,000.
- G32. Principal Investigator, Subcontract Virginia Polytechnic Institute, Prime contract Intelligence Advanced Research Projects Activity (IARPA), *EMBERS: Early Model-Based Event Recognition using Surrogates*, 2014-2015, \$350,000.
- G31. Principal Investigator, National Science Foundation (NSF), *A Theoretical Framework for Practical Entity Resolution in Network Data*, 2012-2016, \$500,000.
- G30. Co-Principal Investigator, Subcontract Virginia Polytechnic Institute, Prime contract Intelligence Advanced Research Projects Activity (IARPA), *EMBERS: Early Model-Based Event Recognition using Surrogates*, 2012-2015, \$2,142,158 (UMD portion listed out of \$15M total).
- G29. Co-Principal Investigator, Subcontract Raytheon Technologies Corp., Prime contract Intelligence Advanced Research Projects Activity (IARPA), *Video Indexing and Search with Event Recounting (VISER) under the ALLADIN Program*, 2011-2015, \$1,750,000.
- G28. Principal Investigator, Maryland Industrial Partnerships (MIPS), *Q12D Collaborative System*, 2011-2012, \$107,489.
- G27. Principal Investigator, Yahoo!, *Machine Learning Seminar Series*, 2011, \$5,000.
- G26. Principal Investigator, National Science Foundation (NSF), *Collaborative Research: Foundations of Comparative Analytics for Uncertainty in Graphs*, 2009-2013, \$435,187.
- G25. Co-Principal Investigator, National Science Foundation (NSF), *Managing Large-scale Uncertain Data Repositories*, 2009-2012, \$498,538.
- G24. Principal Investigator, National Science Foundation (NSF CAREER Award), *Graph Identification*, 2008-2013, \$500,000.
- G23. Principal Investigator, Defense Advanced Research Projects Agency (DARPA), *Detection, Explanation and Prediction of Emerging Network Developments (DEPEND)*, 2010-2012, \$602,755.
- G22. Principal Investigator, Army Research Office (ARO), *Statistical Relational Learning for Heterogeneous Sensor Networks*, 2008-2012, \$360,000.
- G21. Co-Principal Investigator, Yahoo! Faculty and Engagement Program (FREP), *Incorporating Human Inputs into Data Integration Systems*, 2011, \$12,000.
- G20. Co-Principal Investigator, International Business Machines (IBM) Gift, *Declarative Machine Learning and Graph Analytics on Hadoop*, 2010, \$140,000.
- G19. Principal Investigator, Yahoo! Faculty and Engagement Program (FREP), 2011, \$20,000.
- G18. Principal Investigator, Subcontract Science Applications International Corporation (SAIC), Prime contract Intelligence Advanced Research Projects Activity (IARPA), *Probabilistic Alignment and Distributed Analysis (PADA)*, 2010-2011, \$308,000.
- G17. Co-Principal Investigator, National Science Foundation (NSF), *Information, Integration and Informatics NSF PI Workshop*, 2010-2011, \$27,207.

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- G16. Principal Investigator, Maryland Industrial Partnerships (MIPS), *Enhanced Opinion Leader Identification & Comparative Analysis*, 2009-2011, \$187,440.
- G15. Principal Investigator, Lawrence Livermore National Laboratory (LLNL), *Role Prediction and Differentiation in Evolving Semantic Graphs*, 2007-2008, \$50,000.
- G14. Principal Investigator, Microsoft Gift, *Modularity, Differentiation and Contagion in Network Data*, 2007, \$50,000.
- G13. Principal Investigator, Google Research Award, *Scalable Entity Resolution for Google Services*, 2007, \$63,000.
- G12. Principal Investigator, National Science Foundation (NSF), *Link Mining and Discovery*, 2003-2008, \$400,000.
- G11. Principal Investigator, National Science Foundation (NSF), *SOD: Data and Meta-Data Integration Maintenance*, 2004-2009, \$510,200.
- G10. Principal Investigator, Army Research Office (ARO), *Statistical Relational Learning as an Enabling Technology for Data Acquisition and Data Fusion in Heterogeneous Sensor Networks*, 2007, \$50,000.
- G9. Principal Investigator, Lawrence Livermore National Laboratory (LLNL), *Role Discovery in Evolving Semantic Graphs*, 2007, \$50,000.
- G8. Principal Investigator, National Geospatial Agency (NGA) supplement to *Link Mining and Discovery* National Science Foundation Award, *Entity Resolution in Geospatial Data*, 2006-2007, \$100,000.
- G7. Principal Investigator, National Geospatial Agency (NGA) supplement to *Link Mining and Discovery* National Science Foundation Award, *Statistical Relational Learning for the Semantic Web*, 2005-2006, \$200,000.
- G6. Principal Investigator, Knowledge Discovery Program (KDD) supplement to *Link Mining and Discovery* National Science Foundation Award, *Link-based Entity Resolution and Object Consolidation*, 2005-2006, \$165,709.
- G5. Principal Investigator, subcontract UMBC, prime National Imagery and Mapping Agency, *Identifying and Visualizing Changing Patterns in Relational Data*, 2002-2004, \$198,219 (UMD portion listed).
- G4. Co-Principal Investigator, National Science Foundation (NSF), *Mediation Technology for Biological Pipeline Analysis*, 2004-2007, \$550,000.
- G3. Co-Principal Investigator, joint with V.S. Subrahmanian, Jim Hendler, Ben Bederson, and Larry Davis, Army Research Laboratory (ARL), *Knowledge Integration Research Initiative*, 2003-2004, \$700,000.
- G2. Investigator, Principal Investigator Jim Hendler, Lockheed Martin, *Jaguar*, 2004-2009, \$700,787.
- G1. Investigator, Principal Investigator Rama Challapa and Larry Davis, *Human Activity Analysis and Recognition using Distributed Cameras*, 2002-2003, \$364,799.

AWARDS AND HONORS

- H32. **Keynote Speaker**, Large-scale Collective Inference using Probabilistic Soft Logic. International Conference on Scalable Management of Uncertain Data (SUM), Quebec City, September 2015.
- H31. **Best Student Paper Award**, International Conference on Inductive Logic Programming (ILP), September 2015.
- H30. **Keynote Speaker**, Combining Statistics and Semantics to Turn Data into Knowledge. European Semantic Web Conference (ESWC), Portoroz, Slovenia, June 2015.
- H29. **Best Research Paper Award**, SIAM Data Mining Conference (SDM), May 2015.
- H28. **Distinguished Lecture**, Combining Statistics and Semantics using Probabilistic Soft Logic, Columbia University, April 2015.
- H27. **Invited Speaker**, Using Statistics and Semantics to Solve Big (Graph) Data Problems, National Conference on Artificial Intelligence (AAAI), Austin, TX, January 2015.
- H26. **Deployed Application Award**, Innovative Applications of Artificial Intelligence (IAAI), January 2015.
- H25. **Distinguished Lecture**, Big Graph Data Science, Ecole Polytechnique Federale de Lausanne (EPFL), November 2014.
- H24. **Invited Speaker**, Scalable Collective Reasoning using Probabilistic Soft Logic. European Conference on Machine Learning and Principles and Practices of Knowledge Discovery in Databases (ECML/PKDD), Nancy, France, September 2014.
- H23. **Distinguished Lecture**, Max Plank Institute for Informatics, Saarbrucken, Germany, March 2014.
- H22. **Best Student Paper Award**, NIPS Workshop on Frontiers of Network Analysis: Methods, Models, and Applications, December 2013.
- H21. **Fellow**, Elected fellow of the Association for Advancement of Artificial Intelligence (AAAI), March 2013.
- H20. **Commencement Speaker**, School of Engineering, Virginia Commonwealth University (VCU), May 2013.
- H19. **Best Student Paper Award**, International Conference on Social Computing, Behavioral-Cultural Modeling, & Prediction (SBP 2013), April, 2013.
- H18. **Distinguished Lecture**, USC, April 2013.
- H17. **Distinguished Lecture**, UC Boulder, February 2013.
- H16. **Distinguished Lecture**, Notre Dame University, November 2012.
- H15. **Best Paper Award**, ASE International Conference on Social Informatics, September 2012.
- H14. **Distinguished Speaker**, CMU Machine Learning-Google Distinguished Lecture Series, March 2012.
- H13. **Best Paper Award**, 8th Annual Collaboration, Electronic messaging, Anti-Abuse and Spam Conference (CEAS), August 2011.

- H12. **NSF CAREER Award**, National Science Foundation, 2008.
- H11. **Best Student Paper Award**, ACM Knowledge Discovery and Data Mining Conference (KDD), August 2008.
- H10. **Distiguated Lecture**, University of Southern Alabama, February 2008.
- H9. **Distiguated Lecture**, University of Michigan, November 2007.
- H8. **Invited Speaker**, Graph Identification. The National Conference on Artificial Intelligence, Vancouver, British Columbia, July 2007.
- H7. **Best Paper Award**, SIAM Data Mining Conference (SDM), 2006.
- H6. **Finalist**, Microsoft New Faculty Fellowship, 2005. One of 11 finalists chosen nationally.
- H5. **Fellowship**, National Physical Sciences Consortium Fellowship, 1995-2001.
- H4. **Best Student Paper Award**, Conference on Uncertainty in Artificial Intelligence (UAI), 1998.
- H3. **Key Contributor Award**, Recipient of Aion Key Contributor Award, 1992.
- H2. **Award**, Recipient of Aion Teammate Award, 1991.
- H1. **Fellowship**, Zorvich Fellowship, University of California, Berkeley, 1988.

PUBLICATIONS

NOTE: *denotes a student or postdoc co-author. By convention, student authors are listed first. Acceptance rates listed where available.

Books and Edited Volumes

- B8. Elena Zheleva*, Evimaria Terzi and Lise Getoor. "Privacy in Social Networks," Morgan and Claypool Publishers, Synthesis Lectures on Data Mining Series, 2012.
- B7. Lise Getoor and Tobias Scheffer, "Proceedings of the 28th ACM International Conference on Machine Learning," Omnipress, 2011.
- B6. Manfred Jaeger, Lise Getoor and Kristian Kersting, Annals of Mathematics and Artificial Intelligence (AMAI) Special issue on "Probabilistic Relational Learning," 54(1-3):207-222, 2008.
- B5. Lise Getoor and Ben Taskar, editors, An Introduction to Statistical Relational Learning. MIT Press, August 2007.
- B4. Luc De Raedt, Thomas Dietterich, Lise Getoor, Kristian Kersting, Stephen Muggleton, "Probabilistic, Logical and Relational Learning - A Further Synthesis," Dagstuhl Online Seminar Proceedings 07161, 2007.
- B3. Lise Getoor and Chris Diehl, SigKDD Explorations Special Issue on "Link Mining," ACM Press, December, 2005.
- B2. Luc De Raedt, Thomas Dietterich, Lise Getoor, Stephen Muggleton, "Probabilistic, Logical and Relational Learning - Towards a Synthesis," Dagstuhl Online Seminar Proceedings 05051, 2005.

- B1. Pedro Domingos, Christos Faloutsos, Ted Senator, Hillol Kargupta and Lise Getoor, “Proceedings of the 9th ACM SIGKDD International Conference on Knowledge Discovery and Data Mining,” ACM Press, 2003.

Book Chapters

- BC13. Shobeir Fakhraei*, Eberechukwu Onukwugha, and Lise Getoor, “Data Analytics for Pharmaceutical Discoveries,” in *Healthcare Data Analytics*, Chapman & Hall/CRC Data Mining and Knowledge Discovery Series, CRC Press, 2015.
- BC12. Ben London* and Lise Getoor, “Collective Classification of Network Data,” in *Data Classification: Algorithms and Applications*, Charu Aggarwal (ed.), Springer, 2013.
- BC11. Elena Zheleva* and Lise Getoor, “Privacy in Social Networks: A Survey,” in *Social Network Data Analytics*, Charu Aggarwal (ed.), Springer, 2011.
- BC10. Galileo Mark Namata*, Hossam Sharara*, and Lise Getoor, “A Survey of Link Mining Tasks for Analyzing Noisy and Incomplete Networks,” in *Link Mining: Models, Algorithms and Applications*, Philip Yu, Christos Faloutsos and Jaiwei Han (eds.), Springer, 2010.
- BC9. Prithviraj Sen*, Amol Deshpande, and Lise Getoor, “Graphical Models for Uncertain Data,” in *Managing and Mining Uncertain Data*, C. Aggarwal (ed.), Springer, 2009.
- BC8. Galileo Namata*, Mustafa Bilgic*, Prithvi Sen*, and Lise Getoor, “Collective Classification for Text Classification,” in *Text Mining: Classification, Clustering, and Applications*, Mehran Sahami and Ashok Srivastava (eds.), Taylor & Francis Group, 2009.
- BC7. Indrajit Bhattacharya* and Lise Getoor, “Collective Relational Clustering,” in *Constrained Clustering: Advances in Algorithms, Theory and Applications*, Sugato Basu, Ian Davidson and Kiri Wagstaff (eds.), Taylor and Francis Group, 2008.
- BC6. Rezarta Islamaj*, Lise Getoor and John W. Wilbur. “A Feature Generation Algorithm with Applications to Biological Sequence Classification,” in *Computational Methods of Feature Selection*, Huan Liu and Hiroshi Motoda (eds.), Chapman and Hall/CRC Press, 2007.
- BC5. Lise Getoor, Nir Friedman, Daphne Koller, Avi Pfeffer, and Ben Taskar, “Probabilistic Relational Models,” in *An Introduction to Statistical Relational Learning*, L. Getoor and B. Taskar (eds.), 129-174, MIT Press, August 2007.
- BC4. Nir Friedman, Daphne Koller, Lise Getoor, and Ben Taskar, “Graphical Models in a Nutshell,” in *An Introduction to Statistical Relational Learning*, L. Getoor and B. Taskar (eds.), 13-56, MIT Press, August 2007.
- BC3. Indrajit Bhattacharya* and Lise Getoor, “Entity Resolutions in Graphs,” in *Mining Graph Data*, D. Cook and L. Holder (eds.), 311-342, Wiley, 2006.
- BC2. Lise Getoor, “Link-based Classification”, in *Advanced Methods for Knowledge Discovery from Complex Data*, S. Bandyopadhyay, U. Maulik, L. Holder and D. Cook (eds.), 184-207, Springer-Verlag, 2005.
- BC1. Lise Getoor, Nir Friedman, Daphne Koller, and Avi Pfeffer, “Learning Probabilistic Relational Models”, in *Relational Data Mining*, Sašo Džeroski and Nada Lavrač (eds.), 307-335, Springer-Verlag, 2001.

Journal Articles

- J28. Galileo Mark Namata*, Ben London*, and Lise Getoor, “Collective Graph Identification,” in *ACM Transactions on Knowledge Discovery from Data (TKDD)*, to appear, 2015.
- J27. Angelika Kimmig*, Lilyana Mihalkova*, and Lise Getoor, “Lifted graphical models: a survey,” in *Machine Learning*, 99.1 (2015): 1-45. Available in [PDF](#).
- J26. Shobeir Fakhraei*, Bert Huang*, Louiqa Raschid, and Lise Getoor, “Network-Based Drug-Target Interaction Prediction with Probabilistic Soft Logic,” in *IEEE/ACM Transactions on Computational Biology and Bioinformatics* 5 (11), September 2014, pages 775-787 Available in [PDF](#). **Note: Featured on the cover.**
- J25. Bradley Skaggs* and Lise Getoor, “Topic Modeling for Wikipedia Link Disambiguation,” in *ACM Transactions on Information Systems (TOIS)* 3(32), June, 2014, Available in [PDF](#).
- J24. Hossam Sharara*, Lisa Singh, Lise Getoor, and Janet Mann, “Stability vs. Diversity: Understanding the Dynamics of Actors in Time-varying Affiliation Networks,” *ASE Human Journal*, 15 pages, Volume 1, Number 1, 2012. Available in [PDF](#). **Note: Winner of best paper award at ASE International Conference on Social Informatics**
- J23. Panagiotis Papadimitriou, Panayotis Tsaparas, Ariel Fuxman and Lise Getoor, “TACI: Taxonomy-Aware Catalog Integration,” in *IEEE Transactions on Knowledge and Data Engineering (TKDE)*, Volume 99, 2012. Available in [PDF](#).
- J22. Mustafa Bilgic* and Lise Getoor, “Value of Information Lattice: An Efficient Feature Subset Acquisition Framework,” in *Journal of Artificial Intelligence Research (JAIR)*, Volume 41, pages 69-95, 2011. Available in [PDF](#).
- J21. Louis Licamele* and Lise Getoor, “A method for the detection of meaningful and reproducible group signatures from gene expression profiles,” in *Journal of Bioinformatics and Computational Biology*, volume 9, number 3, 431-51, 2011. Available in [PDF](#).
- J20. Heasoo Hwang*, Hady Lauw, Lise Getoor and Alexandros Ntoulas, “Organizing User Search Histories,” in *IEEE Transactions on Knowledge and Data Engineering (TKDE)*, volume PP, number 99, 1-14, 2011. Available in [PDF](#).
- J19. Daozheng Chen*, Mustafa Bilgic*, Lise Getoor, and David Jacobs, “Dynamic Processing Allocation in Video,” in *IEEE Transactions on Pattern Analysis and Machine Learning (PAMI)*, volume 33, number 11, 2174-2187, 2011. Available in [PDF](#).
- J18. Hossam Sharara*, Lisa Singh, Lise Getoor, and Janet Mann, “Understanding Actor Loyalty to Event-Based Groups in Affiliation Networks,” in *Journal of Advances in Social Networks Analysis and Mining*, volume 1, number 2, 115-126, 2011. Available in [PDF](#).
- J17. Louis Licamele* and Lise Getoor, “Indirect Two-sided Relative Ranking: a Robust Similarity Measure for Gene Expression Data,” in *BMC Bioinformatics*, Volume 11, Number 137, 19 pages, 2010. Available in [PDF](#).
- J16. Mustafa Bilgic* and Lise Getoor, “Reflect and Correct: A Misclassification Prediction Approach to Active Inference,” in *ACM Transactions on Knowledge Discovery from Data*, Volume 3, Number 4, 1-32, 2009. Available in [PDF](#).

- J15. Prithviraj Sen*, Amol Deshpande, and Lise Getoor, “PrDB: Managing and Exploiting Rich Correlations in Probabilistic Databases,” *VLDB Journal Special Issue on Uncertain and Probabilistic Databases*, Volume 18, Number 5, 1065-1090, 2009. Available in [PDF](#).
- J14. Mihales Polymeropoulos, Louis Licamele*, Simona Volpi, Kendra Mack, Shruti Mitkus, Eugene Carstea, Lise Getoor, and Christian Lavedan, “Common effect of antipsychotics on the biosynthesis and regulation of fatty acids and cholesterol supports a key role of lipid homeostasis in schizophrenia,” in *Schizophrenia Research*, Volume 108, Number 1-3, 134-142, 2009.
- J13. Hyunmo Kang*, Lise Getoor, Ben Shneiderman, Mustafa Bilgic* and Louis Licamele*, “Interactive Entity Resolution in Relational Data: A Visual Analytic Tool and Its Evaluation,” in *IEEE Transactions on Visualization and Computer Graphics (TVCG)*, Volume 14, Number 5, 999-1014, 2008. Available in [PDF](#).
- J12. Tom Dietterich, Pedro Domingos, Lise Getoor, Stephen Muggleton, and Prasad Tadepalli, “Structured Machine Learning: The Next Ten Years,” in *Machine Learning Journal (MLJ)*, Volume 73, Number 1, 3-23, 2008.
- J11. Elena Zheleva*, Alek Kolcz and Lise Getoor, “Trusting Spam Reporters: A Reporter-based Reputation System for Spam Filtering,” in *ACM Transactions on Information Systems (TOIS)*, Volume 27, Number 1, 27 pages, December 2008. Available in [PDF](#).
- J10. Marie desJardins, Priyang Rathod*, and Lise Getoor, “Learning Structured Bayesian Networks: Combining Abstraction Hierarchies and Tree-structured Conditional Probability Tables,” in *Journal of Computational Intelligence (CI)*, Volume 24, Number 1, 1-22, 2008.
- J9. Prithvi Sen* and Lise Getoor, “Cost-sensitive Learning with Conditional Markov Networks,” in *Journal of Data Mining and Knowledge Discovery (DMKD)*, Volume 17, Number 2, 136-163, October 2008. Available in [PDF](#).
- J8. Indrajit Bhattacharya* and Lise Getoor, “Query-time Entity Resolution,” in *Journal of Artificial Intelligence Research (JAIR)*, Volume 30, 621-657, 2007. Available in [PDF](#).
- J7. Edward Hung*, Lise Getoor and V.S. Subrahmanian, “Probabilistic Interval XML,” in *ACM Transactions on Computational Logic (TOCL)*, Volume 8, Number 4, 35 pages, October 2007.
- J6. Rezarta Islamaj*, Lise Getoor, W. John Wilbur and Stephen Mount, “SplicePort - An Interactive Splice-site Analysis Tool,” in *Nucleic Acids Research (NAR)*, 1-7, June 2007.
- J5. Indrajit Bhattacharya* and Lise Getoor, “Collective Entity Resolution In Relational Data,” in *ACM Transactions on Knowledge Discovery from Data (TKDD)*, Volume 1, Number 1, 1-36, March 2007. Available in [PDF](#).
- J4. Lise Getoor and John Grant, “PRL: A Logical Approach to Probabilistic Relational Models,” in *Machine Learning Journal (MLJ)*, Volume 62, Issue 1 - 2, 7-31, February 2006. Available in [PDF](#).
- J3. Lise Getoor, Jeanne Rhee, Daphne Koller, and Peter Small, “Understanding Tuberculosis Epidemiology using Probabilistic Relational Models,” in *AI in Medicine Journal (AIMJ)*, Volume 30, 233-256, 2004.
- J2. Lise Getoor, Nir Friedman, Daphne Koller, and Ben Taskar, “Learning Probabilistic Models of Link Structure,” in *Journal of Machine Learning Research (JMLR)*, Volume 3, 679-707, 2002. Available in [PDF](#).

- J1. Lise Getoor, Nir Friedman and Daphne Koller, “Learning Structured Statistical Models from Relational Data,” in *Electronic Transactions on Artificial Intelligence (ETAI)*, Volume 6, section B, online publication, 2002.

Invited Articles

- I10. Galileo Namata* and Lise Getoor, “Identifying graphs from noisy and incomplete data,” in *SIGKDD Explorations*, Volume 12, Number 1, 33-39, 2010.
- I9. Hossam Sharara* and Lise Getoor, “Group Detection,” in *Encyclopedia of Machine Learning*, Claude Sammut and Geoffrey Webb (eds.), Springer, 2010.
- I8. Lise Getoor, “Link Mining,” in *Encyclopedia of Machine Learning*, Claude Sammut and Geoffrey Webb (eds.), Springer, 2010.
- I7. Indrajit Bhattacharya* and Lise Getoor, “Entity Resolution,” in *Encyclopedia of Machine Learning*, Claude Sammut and Geoffrey Webb (eds.), Springer, 2010.
- I6. Lisa Singh and Lise Getoor, “Increasing the Predictive Power of Affiliation Networks,” in *Data Engineering Bulletin*, vol. 30, no. 2, 41-50, June 2007.
- I5. Indrajit Bhattacharya* and Lise Getoor, “Collective Entity Resolution In Relational Data,” in *Data Engineering Bulletin*, vol. 29, no. 2, 4-12, June, 2006.
- I4. Lise Getoor, “An Introduction to Probabilistic Graphical Models for Relational Data,” in *Data Engineering Bulletin*, vol. 29, no. 1, 32-39, March, 2006.
- I3. Lise Getoor and Chris Diehl, “Link Mining: A Survey,” in *SigKDD Explorations Special Issue on Link Mining*, vol. 7, no. 2, 3-12, December 2005.
- I2. Lise Getoor, “Structure Discovery using Statistical Relational Learning,” in *Data Engineering Bulletin*, vol. 26, no. 3, 11-18, September, 2003.
- I1. Lise Getoor, “Link Mining: A New Data Mining Challenge,” in *SIGKDD Explorations*, vol. 5, no. 1, 84-89, July, 2003.

Magazine Articles

- M3. Sathappan Muthiah*, Bert Huang*, Jaime Arredondo*, David Mares, Lise Getoor, Graham Katz and Naren Ramakrishnan, “Capturing Planned Protests from Open Source Indicators,” in *AI Magazine*, to appear.
- M2. Jay Pujara*, Hui Miao*, Lise Getoor, and William Cohen, “Using Semantics & Statistics to Turn Data into Knowledge,” in *AI Magazine*, **36**(1), Spring, 2015, pages 65-74. Available in [PDF](#).
- M1. Prithviraj Sen*, Galileo Mark Namata*, Mustafa Bilgic*, Lise Getoor, Brian Gallagher, Tina Eliassi-Rad, “Collective Classification in Network Data”, in *AI Magazine*, **29**(1), 2008. Available in [PDF](#).

Highly Referred Conferences

- C74. Adam Grycner*, Gerhard Weikum, Jay Pujara*, James Foulds*, and Lise Getoor, “RELLY: Inferring Hypernym Relationships Between Relational Phrases,” in *Conference on Empirical Methods in Natural Language Processing (emnlp 2015)*, Lisbon, Portugal, September 2015. [Acceptance rate: 24%] Available in [PDF](#).
- C73. Pigi Kouki*, Shobeir Fakhraei*, James Foulds*, Magdalini Eirinaki, and Lise Getoor, “HyPER: A Flexible and Extensible Probabilistic Framework for Hybrid Recommender Systems,” in *9th ACM Conference on Recommender Systems (RecSys 2015)*, Vienna, Austria, September 2015. [Acceptance rate: 26%] Available in [PDF](#).
- C72. Shobeir Fakhraei*, James Foulds*, Madhusudana Shashanka, and Lise Getoor, “Collective Spammer Detection in Evolving Multi-Relational Social Networks,” in *ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD 2015)*, Sydney, Australia, August 2015. ACM Press. [Acceptance rate: 34%] Available in [PDF](#).
- C71. Jay Pujara*, Ben London*, and Lise Getoor, “Budgeted Online Collective Inference,” in *Uncertainty in Artificial Intelligence (UAI)*, Amsterdam, Netherlands, July 2015. [Acceptance rate: 29%] Available in [PDF](#).
- C70. Arti Ramesh*, Shachi Kumar*, James Foulds*, and Lise Getoor, “Weakly Supervised Models of Aspect-Sentiment for Online Course Discussion Forums,” in *53rd Annual Meeting of the Association for Computational Linguistics (ACL-IJCNLP 2015)*, Beijing, China, July 2015. [Acceptance rate: 25%] Available in [PDF](#).
- C69. Dhanya Sridhar*, James Foulds*, Marilyn Walker, Bert Huang*, and Lise Getoor, “Joint Models of Disagreement and Stance in Online Debate,” in *Annual Meeting of the Association for Computational Linguistics (ACL 2015)*, Beijing, China, July 2015. [Acceptance rate: 25%] Available in [PDF](#).
- C68. Ben London*, Bert Huang*, and Lise Getoor, “The Benefits of Learning with Strongly Convex Approximate Inference,” in *International Conference on Machine Learning (ICML 2015)*, Lille, France, July 2015. [Acceptance rate: 26%] Available in [PDF](#).
- C67. Stephen H. Bach*, Bert Huang*, Jordan Boyd-Graber, and Lise Getoor, “Paired-Dual Learning for Fast Training of Latent Variable Hinge-Loss MRFs,” in *International Conference on Machine Learning (ICML 2015)*, Lille, France, July 2015. [Acceptance rate: 26%] Available in [PDF](#).
- C66. James Foulds*, Shachi Kumar*, and Lise Getoor, “Latent Topic Networks: A Versatile Probabilistic Programming Framework for Topic Models,” in *International Conference on Machine Learning (ICML 2015)*, Lille, France, July 2015. [Acceptance rate: 26%] Available in [PDF](#).
- C65. Xinran He*, Theodoros Rekatsinas*, James Foulds*, Lise Getoor, and Yan Liu, “HawkesTopic: A Joint Model for Network Inference and Topic Modeling from Text-Based Cascades,” in *International Conference on Machine Learning (ICML 2015)*, Lille, France, July 2015. [Acceptance rate: 26%] Available in [PDF](#).
- C64. Theodoros Rekatsinas*, Saurav Ghosh, Sumiko Mekar, Elaine Nsoesie, John Brownstein, Lise Getoor, and Naren Ramakrishnan, “SourceSeer: Forecasting Rare Disease Outbreaks Using Multiple Data Sources,” in *2015 SIAM International Conference on Data Mining (SDM15)*, Vancouver, BC, Canada, May 2015. SIAM. [Acceptance rate: 15%] Available in [PDF](#). **Note: Winner of Best Research Paper Award.**

- C63. Stephen H. Bach*, Bert Huang*, and Lise Getoor, “Unifying Local Consistency and MAX SAT Relaxations for Scalable Inference with Rounding Guarantees,” in *Artificial Intelligence and Statistics (AISTATS 2015)*, San Diego, CA, May 2015. [Acceptance rate: 6%] Available in [PDF](#).
- C62. Theodoros Rekatsinas*, Xin Luna Dong, Lise Getoor, and Divesh Srivastava, “Finding Quality in Quantity: The Challenge of Discovering Valuable Sources for Integration,” in *7th Biennial Conference on Innovative Data Systems Research (CIDR 2015)*, Asilomar, California, January 2015. Available in [PDF](#).
- C61. Naren Ramakrishnan, Patrick Butler, Nathan Self, Rupinder Khandpur, Parang Saraf, Wei Wang, Jose Cadena, Anil Vullikanti, Gizem Korkmaz, Christopher Kuhlman, Achla Marathe, Liang Zhao, Hua Ting, Bert Huang*, Aravind Srinivasan, Khoa Trinh, Lise Getoor, Graham Katz, Andy Doyle, Chris Ackermann, Ilya Zavorin, Jim Ford, Kristin Summers, Youssef Fayed, Jaime Arredondo, Dipak Gupta, and David Mares, “ ‘Beating the news’ with EMBERS: Forecasting Civil Unrest using Open Source Indicators,” in *ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD 2014)*, New York, NY, August 2014. [Acceptance rate: 15%] Available in [PDF](#).
- C60. Arti Ramesh*, Dan Goldwasser, Bert Huang*, Hal Daume III, and Lise Getoor, “Learning Latent Engagement Patterns of Students in Online Courses,” in *Proceedings of the Twenty-Eighth AAAI Conference on Artificial Intelligence (AAAI 2014)*, Quebec City, Quebec, Canada, July 2014. [Acceptance rate: 28%] Available in [PDF](#).
- C59. Ben London*, Bert Huang*, Benjamin Taskar, and Lise Getoor, “PAC-Bayesian Collective Stability,” in *Proceedings of the 17th International Conference on Artificial Intelligence and Statistics (AISTATS 2014)*, Reykjavik, Iceland, April 2014. [Acceptance rate: 36%] Available in [PDF](#).
- C58. Arti Ramesh*, Dan Goldwasser, Bert Huang*, Hal Daume III, and Lise Getoor, “Uncovering Hidden Engagement Patterns for Predicting Learner Performance in MOOCs,” in *ACM Conference on Learning at Scale (Learning@Scale 2014)*, Atlanta, GA, March 2014. [Acceptance rate: 28%] Available in [PDF](#).
- C57. Walaa Eldin Moustafa, Angelika Kimmig, Amol Deshpande, and Lise Getoor, “Subgraph Pattern Matching over Uncertain Graphs with Identity Linkage Uncertainty,” in *International Conference on Data Engineering (ICDE 2014)*, Chicago, IL, March 2014. [Acceptance rate: 20%] Available in [PDF](#).
- C56. Hui Miao*, Xiangyang Liu*, Bert Huang*, Lise Getoor, “A Hypergraph-Partitioned Vertex Programming Approach for Large-scale Consensus Optimization,” in *IEEE International Conference on Big Data*, October, 2013. [Acceptance rate: 17%] Available in [PDF](#).
- C55. Jay Pujara*, Hui Miao*, Lise Getoor, William Cohen, “Knowledge Graph Identification,” in *International Semantic Web Conference (ISWC)*, October, 2013. [Acceptance rate: 21.5%] Available in [PDF](#).
Note: Winner of Best Student Paper Award.
- C54. Stephen H. Bach*, Bert Huang*, Ben London*, Lise Getoor, “Hinge-loss Markov Random Fields: Convex Inference for Structured Prediction,” in *Uncertainty in Artificial Intelligence (UAI)*, July, 2013. [Acceptance rate: 31%] Available in [PDF](#).
- C53. Ben London*, Bert Huang*, Benjamin Taskar, Lise Getoor, “Collective Stability in Structured Prediction: Generalization from One Example,” in *International Conference on Machine Learning (ICML-13)*, June, 2013. [Acceptance rate: 24%] Available in [PDF](#).

- C52. Walaa Eldin Moustafa*, Hui Miao*, Amol Deshpande, Lise Getoor, “GrDB: A System for Declarative and Interactive Analysis of Noisy Information Networks,” in *ACM International Conference on Management of Data (SIGMOD)*, June, 2013. [Acceptance rate: 25%] Available in [PDF](#).
- C51. Bert Huang*, Angelika Kimmig*, Lise Getoor, and Jennifer Golbeck, “A Flexible Framework for Probabilistic Models of Social Trust,” in *International Conference on Social Computing, Behavioral-Cultural Modeling, & Prediction (SBP 2013)*, April, 2013. [Acceptance rate: 24%] Available in [PDF](#).
- C50. Jeon-Hyung Kang*, Kristina Lerman and Lise Getoor, “LA-LDA: A Limited Attention Topic Model for Social Recommendation,” in *International Conference on Social Computing, Behavioral-Cultural Modeling, & Prediction (SBP 2013)*, April, 2013. [Acceptance rate: 24%] Available in [PDF](#). **Winner of Best Student Paper Award.**
- C49. Stephen H. Bach*, Matthias Broecheler, Lise Getoor, Dianne P. O’Leary, “Scaling MPE Inference for Constrained Continuous Markov Random Fields with Consensus Optimization,” in *Advances in Neural Information Processing Systems (NIPS)*, December, 2012. [Acceptance rate: 25%] Available in [PDF](#).
- C48. Theodoros Rekatsinas*, Amol Deshpande, Lise Getoor, “Local Structure and Determinism in Probabilistic Databases,” in *Proceedings of ACM-SIGMOD 2012 International Conference on Management of Data (SIGMOD)*, 373-384, May, 2012. [Acceptance rate: 16.6%] Available in [PDF](#).
- C47. Walaa Eldin Moustafa*, Amol Deshpande, Lise Getoor, “Ego-centric Graph Pattern Census,” in *Proceedings of the IEEE International Conference on Data Engineering (ICDE)*, 12 pages, April, 2012. [Acceptance rate: 17.7%] Available in [PDF](#).
- C46. Hossam Sharara*, Awalyn Sopan*, Galileo Mark Namata*, Lise Getoor and Lisa Singh, “G-PARE: A Visual Analytic Tool for Comparative Analysis of Uncertain Graphs,” in *IEEE Conference on Visual Analytics Science and Technology (VAST)*, 61-70, October, 2011. [Acceptance rate: 32%] Available in [PDF](#).
- C45. Galileo Mark Namata*, Stanley Kok*, and Lise Getoor, “Collective Graph Identification,” in *ACM SIGKDD International Conference on Knowledge Discovery and Data Mining*, 87-95, August, 2011. [Acceptance rate: 17%] Available in [PDF](#).
- C44. Hossam Sharara*, William Rand, Lise Getoor, “Differential Adaptive Diffusion: Understanding Diversity and Learning Whom to Trust in Viral Marketing,” in *Fifth International AAAI Conference on Weblogs and Social Media (ICWSM)*, 345-352, July, 2011. Available in [PDF](#).
- C43. Hossam Sharara*, Lise Getoor, Myra Norton, “Active Surveying: A Probabilistic Approach for Identifying Key Opinion Leaders,” in *The 22nd International Joint Conference on Artificial Intelligence (IJCAI ’11)*, pages 1485-1490, July, 2011. Available in [PDF](#).
- C42. Anon Plangprasopchok*, Kristina Lerman, and Lise Getoor, “A Probabilistic Approach for Learning Folksonomies from Structured Data,” in *Fourth ACM International Conference on Web Search and Data Mining (WSDM)*, 555-564, February, 2011. [Acceptance rate: 22.3%] Available in [PDF](#).
- C41. Matthew Michelson, Sofus A. Macskassy, Steven Minton, and Lise Getoor, “Materializing Multi-Relational Databases from the Web using Taxonomic Queries,” in *Fourth ACM International Conference on Web Search and Data Mining (WSDM)*, 355-364, February, 2011. [Acceptance rate: 22.3%]

- C40. Matthias Broecheler* and Lise Getoor, “Computing marginal distributions over continuous Markov networks for statistical relational learning,” in *Advances in Neural Information Processing Systems (NIPS)*, 316-324, December, 2010. [Acceptance rate: 24%] Available in [PDF](#).
- C39. Prithviraj Sen*, Amol Deshpande, and Lise Getoor, “Read-Once Functions and Query Evaluation in Probabilistic Databases,” in *International Conference on Very Large Data Bases (VLDB)*, 1068-1079, September, 2010. [Acceptance rate: 18.4%] Available in [PDF](#).
- C38. Janardhan Doppa*, Jun Yu*, Prasad Tadepalli, and Lise Getoor, “Learning Algorithms for Link Prediction based on Chance Constraints,” in *European Conference on Machine Learning (ECML)*, 344-360, September, 2010. [Acceptance rate: 18%] Available in [PDF](#).
- C37. Anon Plangprasopchok*, Kristina Lerman, and Lise Getoor, “Growing a tree in the forest: constructing folksonomies by integrating structured metadata,” in *ACM SIGKDD International Conference on Knowledge Discovery and Data Mining*, 949-958, August 2010. [Acceptance rate: 17%] Available in [PDF](#).
- C36. Mustafa Bilgic*, Lise Getoor, “Active Inference for Collective Classification,” in *Twenty-Fourth Conference on Artificial Intelligence (AAAI NECTAR Track)*, 1652-1655, July 2010. [Acceptance rate: 25%] Available in [PDF](#).
- C35. Mustafa Bilgic*, Lilyana Mihalkova*, and Lise Getoor, “Active Learning for Networked Data,” in *Proceedings of the 27th International Conference on Machine Learning (ICML)*, 8 pages, June, 2010. [Acceptance rate: 25%] Available in [PDF](#).
- C34. Matthias Broecheler*, Lilyana Mihalkova*, and Lise Getoor, “Probabilistic Similarity Logic,” in *International Conference on Uncertainty in Artificial Intelligence (UAI)*, 10 pages, July, 2010. [Acceptance rate: 32%] Available in [PDF](#).
- C33. Karl Schnaitter*, Neoklis Polyzotis, and Lise Getoor, “Index Interactions in Physical Design Tuning: Modeling, Analysis, and Applications,” in *International Conference on Very Large Databases (VLDB)*, 1234-1245, August, 2009. [Acceptance rate: 16.7%] Available in [PDF](#).
- C32. Swapna Somasundaran*, Galileo Mark Namata*, Janyce Wiebe, and Lise Getoor, “Supervised and Unsupervised Methods in Employing Discourse Relations for Improving Opinion Polarity Classification,” in *Conference on Empirical Methods in Natural Language Processing (EMNLP)*, 170-179, August, 2009. [Acceptance rate: 34%] Available in [PDF](#).
- C31. Elena Zheleva*, Hossam Sharara*, and Lise Getoor, “Co-evolution of Social and Affiliation Networks,” in *ACM SIGKDD Conference on Knowledge Discovery and Data Mining (KDD)*, 1007-1016, July, 2009. [Acceptance rate: 10%] Available in [PDF](#).
- C30. Prithviraj Sen*, Amol Deshpande, and Lise Getoor, “Bisimulation-based Approximate Lifted Inference,” in *Uncertainty in Artificial Intelligence (UAI)*, 496-505, June 2009. [Acceptance rate: 31%] Available in [PDF](#).
- C29. Vladimir Barash*, Marc Smith, Lise Getoor, and Howard Welser, “Distinguishing Knowledge vs Social Capital in Social Media with Roles and Context,” in *International Conference on Weblogs and Social Media (ICWSM)*, 183-186, May 2009. Available in [PDF](#).
- C28. Elena Zheleva* and Lise Getoor, “To Join or not to Join: The Illusion of Privacy in Social Networks with Mixed Public and Private User Profiles,” in *International World Wide Web Conference (WWW)*, 531-540, April 2009. [Acceptance rate: 12%] Available in [PDF](#).

- C27. Barna Saha* and Lise Getoor, “On Maximum Coverage in the Streaming Model and Application to Multi-topic Blog-Watch,” in *SIAM Data Mining Conference (SDM)*, 697-708, April 2009. [Acceptance rate: 15%] Available in [PDF](#).
- C26. Hassan Sayyadi* and Lise Getoor, “FutureRank: Ranking Scientific Articles by Predicting their Future PageRank,” in *SIAM Data Mining Conference (SDM)*, 533-544, April 2009. [Acceptance rate: 15%] Available in [PDF](#).
- C25. Mustafa Bilgic* and Lise Getoor, “Effective Label Acquisition for Collective Classification,” 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%] Available in [PDF](#).
- C24. Prithviraj Sen*, Amol Deshpande and Lise Getoor, “Exploiting Shared Correlations in Probabilistic Databases,” in *International Conference on Very Large Data Bases (VLDB)*, 809-820, August 2008. [Acceptance rate: 16.5%] Available in [PDF](#).
- C23. Galileo Namata*, Brian Statts*, Lise Getoor and Ben Shneiderman, “A Dual-view Approach to Interactive Network Visualization,” in *Proceedings of the ACM Conference on Information and Knowledge Management (CIKM)*, 939-942, November 2007. [Acceptance rate: 17%] Available in [PDF](#).
- C22. Mustafa Bilgic* and Lise Getoor, “VOILA: Efficient Feature-value Acquisition for Classification,” in *Proceedings of the 22nd National Conference on Artificial Intelligence (AAAI)*, 1225-1230, July 2007. [Acceptance rate: 5%] Available in [PDF](#).
- C21. Christopher Diehl, Galileo Mark Namata*, and Lise Getoor, “Relationship Identification for Social Network Discovery,” in *Proceedings of the 22nd National Conference on Artificial Intelligence (AAAI)*, 546-552, July 2007. [Acceptance rate: 27%] Available in [PDF](#).
- C20. Indrajit Bhattacharya* and Lise Getoor, “Online Collective Entity Resolution,” in *Proceedings of the 22nd National Conference on Artificial Intelligence (AAAI)*, 1606-1609, July 2007. AAAI Nectar Paper. [Acceptance rate: 17%] Available in [PDF](#).
- 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.*
- C19. Octavian Udrea*, Lise Getoor, and Renée Miller, “Leveraging Data and Structure in Ontology Integration,” in *Proceedings of ACM-SIGMOD 2007 International Conference on Management of Data (SIGMOD)*, 449-460, June 2007. [Acceptance rate: 14.6%] Available in [PDF](#).
- C18. Louis Licamele* and Lise Getoor, “Social Capital in Friendship-Event Networks,” in *Proceedings of the IEEE International Conference on Data Mining (ICDM)*, Hong Kong, CH 959-964, December 2006. [Acceptance rate: 19.6%] Available in [PDF](#).
- C17. Indrajit Bhattacharya* and Lise Getoor, “Query-time Entity Resolution,” in *Proceedings of the 12th International Conference on Knowledge Discovery and Data Mining (KDD)*, Philadelphia, PA, 529-534, August 2006. [Acceptance rate: 23%] Available in [PDF](#).
- C16. Prithviraj Sen* and Lise Getoor, “Cost-Sensitive Markov Networks,” in *Proceedings of the 23rd International Conference on Machine Learning (ICML)*, 801-808, June 2006. [Acceptance rate: 20%] Available in [PDF](#).

- C15. Indrajit Bhattacharya* and Lise Getoor, “A Latent Dirichlet Model for Unsupervised Entity Resolution,” in *Proceedings of the 6th SIAM Conference on Data Mining (SDM)*, 47-58, April 2006. **Winner of Best Paper Award.** [Acceptance rate: 16%] Available in [PDF](#).
- C14. Chris Diehl*, Lise Getoor and Galileo Namata*, “Name Reference Resolution in Organizational Email Archives,” in *Proceedings of the 6th SIAM Conference on Data Mining (ICDM)*, 55-64, April 2006. [Acceptance rate: 16%] Available in [PDF](#).
- C13. Lisa Singh, Lise Getoor and Louis Licamele* “Pruning Social Networks Using Structural Properties and Descriptive Attributes,” in *Proceedings of the International Conference on Data Mining (ICDM)*, New Orleans, LA, 773-776, November, 2005. [Acceptance rate: 18%] Available in [PDF](#).
- C12. Marie desJardins, Priyang Rathod* and Lise Getoor, “Bayesian Network Learning with Abstraction Hierarchies and Context-Specific Independence,” in *Proceedings of the 16th European Conference on Machine Learning (ECML)*, Porto, Portugal, 485-496, October, 2005. [Acceptance rate: 19.7%] Available in [PDF](#).
- C11. Indrajit Bhattacharya*, Lise Getoor and Yoshua Bengio, “Word Sense Disambiguation using Probabilistic Models,” in *Proceedings of the 42nd Annual Meeting of the Association for Computational Linguistics (ACL)*, 288-295, Barcelona, SP, July, 2004. [Acceptance rate: 25%] Available in [PDF](#).
- C10. Kristina Lerman, Lise Getoor, Steve Minton and Craig Knoblock, “Using the Structure of Web Sites for Automatic Segmentation of Tables,” in *Proceedings of the ACM-SIGMOD 2004 International Conference on Management of Data (SIGMOD)*, Paris, FR, 119-130, June 2004. [Acceptance rate: 16%] Available in [PDF](#).
- C9. Qing Lu* and Lise Getoor, “Link-based Classification,” in *Proceedings of the International Conference on Machine Learning (ICML)*, 496-503, Washington, DC, August 2003. [Acceptance rate: 32.1%] Available in [PDF](#).
- C8. Edward Hung*, Lise Getoor and V. S. Subrahmanian, “PXML: A Probabilistic Semistructured Data Model and Algebra,” in *Proceedings of the IEEE International Conference on Data Engineering (ICDE)*, Bangalore, India, 467-478, March 2003. [Acceptance rate: 13%] Available in [PDF](#).
- C7. Edward Hung*, Lise Getoor and V. S. Subrahmanian, “Probabilistic Interval XML,” in *Proceedings of the International Conference on Database Theory (ICDT)*, Siena, Italy, 358-374, January 2003. [Acceptance rate: 29%] Available in [PDF](#).
- C6. Lise Getoor, Nir Friedman, Daphne Koller, and Ben Taskar, “Learning Probabilistic Models of Relational Structure,” in *Proceedings of International Conference on Machine Learning (ICML)*, Williamstown, MA, 170-177, June 2001. [Acceptance rate: 32.1%] Available in [PDF](#).
- C5. Lise Getoor, Daphne Koller, and Ben Taskar, “Selectivity Estimation using Probabilistic Relational Models,” in *Proceedings of ACM-SIGMOD 2001 International Conference on Management of Data (SIGMOD)*, Santa Barbara, CA, 461-472, May 2001. [Acceptance rate: 15%] Available in [PDF](#).
- C4. Nir Friedman, Lise Getoor, Daphne Koller and Avi Pfeffer, “Learning Probabilistic Relational Models,” in *Proceedings of the International Joint Conference on Artificial Intelligence (IJCAI)*, Stockholm, Sweden, 1300-1309, July, 1999. [Acceptance rate: 26%] Available in [PDF](#).
- C3. Ursulza Chajewska, Lise Getoor, Joseph Norman and Yuval Shahar, “Utility Elicitation as a Classification Problem,” in *Proceedings of Uncertainty in Artificial Intelligence (UAI)*, Madison, WI, 79-88,

August 1998. **Winner of the UAI '98 best student paper award.** [Acceptance rate: 45%] Available in [PDF](#).

- C2. Lise Getoor, Gregor Ottosson, Markus Fromherz and Bjorn Carlson, “Effective Redundant Constraints for Online Scheduling,” in *Proceedings of the Fourteenth National Conference on Artificial Intelligence (AAAI)*, Providence, RI, 302-307, July, 1997. Available in [PDF](#).
- C1. Amy Lansky and Lise Getoor, “Scope and Abstraction: Two Criteria for Localized Planning,” in *Proceedings of the International Joint Conference on Artificial Intelligence (IJCAI)*, Montreal, CA, 1612-1619, August 1995. Available in [PDF](#).

Workshops and Other Conferences

- W81. Ben London*, Bert Huang*, and Lise Getoor, On the Strong Convexity of Variational Inference, in *NIPS Workshop on Advances in Variational Inference (NIPS 2014)*, Montreal, Canada, December 2014. Available in [PDF](#).
- W80. Stephen H. Bach*, Bert Huang*, and Lise Getoor, Rounding Guarantees for Message-Passing MAP Inference with Logical Dependencies, in *NIPS Workshop on Discrete and Combinatorial Problems in Machine Learning (DISCML 2014)*, Montreal, Canada, December 2014. Available in [PDF](#).
- W79. Adam Grycner*, Gerhard Weikum, Jay Pujara*, James Foulds* and Lise Getoor, A Unified Probabilistic Approach for Semantic Clustering of Relational Phrases, in *NIPS Workshop on Automated Knowledge Base Construction (NIPS 2014)*, Montreal, Canada, December 2014. Available in [PDF](#).
- W78. Jay Pujara* and Lise Getoor, Building Dynamic Knowledge Graphs, in *NIPS Workshop on Automated Knowledge Base Construction (NIPS 2014)*, Montreal, Canada, December 2014. Available in [PDF](#).
- W77. Dhanya Sridhar*, James Foulds*, Bert Huang*, Marilyn Walker, and Lise Getoor, Collective classification of stance and disagreement in online debate forums, in *Bay Area Machine Learning Symposium (BayLearn)*, Berkeley, CA, October 2014.
- W76. Stephen H. Bach*, Bert Huang*, and Lise Getoor, Probabilistic Soft Logic for Social Good, in *KDD Workshop on Data Science for Social Good (KDD 2014)*, New York, NY, August, 2014. [Acceptance rate: xx%] Available in [PDF](#).
- W75. Golnoosh Farnadi*, Stephen H. Bach*, Marie-Francine Moens, Lise Getoor, and Martine De Cock, Extending PSL with Fuzzy Quantifiers, in *International Workshop on Statistical Relational Artificial Intelligence (StaRAI 2014)*, Qubec City, Qubec, Canada, July 2014. Available in [PDF](#).
- W74. Arti Ramesh*, Dan Goldwasser, Bert Huang*, Hal Daume III, and Lise Getoor, Understanding MOOC Discussion Forums using Seeded LDA, in *9th ACL Workshop on Innovative Use of NLP for Building Educational Applications (ACL 2014)*, Baltimore, MD, June 2014. Available in [PDF](#).
- W73. Dhanya Sridhar*, Lise Getoor, and Marilyn Walker, Collective Stance Classification of Posts in Online Debate Forums, in *ACL Joint Workshop on Social Dynamics and Personal Attributes in Social Media*, Baltimore, MD, June 2014. Available in [PDF](#).
- W72. Shobeir Fakhraei*, Bert Huang*, and Lise Getoor, Collective Inference and Multi-Relational Learning for DrugTarget Interaction Prediction, in *NIPS Workshop on Machine Learning in Computational Biology (MLCB 2013)* Lake Tahoe, NV, December 2013. Available in [PDF](#).

- W71. Stephen H. Bach*, Bert Huang*, and Lise Getoor, Large-margin Structured Learning for Link Ranking, in *NIPS Workshop on Frontiers of Network Analysis: Methods, Models, and Applications (NIPS 2013)*, Lake Tahoe, NV, December 2013. Available in [PDF](#). **Winner of Best Student Paper Award.**
- W70. Arti Ramesh*, Dan Goldwasser, Bert Huang*, Hal Daume III, and Lise Getoor, Modeling Learner Engagement in MOOCs using Probabilistic Soft Logic, in *NIPS Workshop on Data Driven Education (Data Driven Education@NIPS 2013)*, Lake Tahoe, NV, December 2013. Available in [PDF](#).
- W69. Ben London*, Bert Huang*, Benjamin Taskar, and Lise Getoor, PAC-Bayes Generalization Bounds for Randomized Structured Prediction, in *NIP Workshop on Perturbation, Optimization and Statistics*, Lake Tahoe, NV, December 2013. Available in [PDF](#).
- W68. Jay Pujara*, Hui Miao*, Lise Getoor, and William Cohen, Large-Scale Knowledge Graph Identification using PSL, in *AAAI Fall Symposium on Semantics for Big Data*, November, 2013. Available in [PDF](#).
- W67. Jay Pujara*, Hui Miao*, Lise Getoor, William Cohen, Ontology-Aware Partitioning for Knowledge Graph Identification, in *CIKM Workshop on Automatic Knowledge Base Construction*, October, 2013. Available in [PDF](#).
- W66. Shobeir Fakhraei*, Louiqa Raschid, Lise Getoor, Drug-Target Interaction Prediction for Drug Repurposing with Probabilistic Similarity Logic, in *ACM SIGKDD 12th International Workshop on Data Mining in Bioinformatics (BIOKDD)*, July, 2013. Available in [PDF](#).
- W65. Ben London*, Sameh Khamis*, Stephen H. Bach*, Bert Huang*, Lise Getoor, and Larry Davis, Collective Activity Detection using Hinge-loss Markov Random Fields, in *CVPR Workshop on Structured Prediction: Tractability, Learning and Inference*, June, 2013. Available in [PDF](#).
- W64. Stephen H. Bach*, Bert Huang*, Lise Getoor, Learning Latent Groups with Hinge-loss Markov Random Fields, in *Inferring: ICML Workshop on Interactions between Inference and Learning*, June, 2013. Available in [PDF](#).
- W63. Jay Pujara*, Hui Miao*, and Lise Getoor, Joint Judgments with a Budget: Strategies for Reducing the Cost of Inference, in *ICML Workshop on Machine Learning with Test-Time Budgets*, June, 2013. Available in [PDF](#).
- W62. Bert Huang*, Ben London*, Benjamin Taskar, Lise Getoor, Empirical Analysis of Collective Stability, in *ICML Workshop on Structured Learning (SLG)*, June, 2013. Available in [PDF](#).
- W61. Ben London*, Bert Huang*, and Lise Getoor “Improved Generalization Bounds for Large-scale Structured Prediction,” in *NIPS Workshop on Algorithmic and Statistical Approaches for Large Social Networks*, December 2012. Available in [PDF](#).
- W60. Bert Huang*, Stephen H. Bach*, Eric Norris*, Jay Pujara*, and Lise Getoor, “Social Group Modeling with Probabilistic Soft Logic,” in *NIPS Workshop on Social Network and Social Media Analysis*, Decemer 2012. Available in [PDF](#).
- W59. Alex Memory*, Angelika Kimmig*, Stephen H. Bach*, Louiqa Raschid, and Lise Getoor, “Graph Summarization in Annotated Data Using Probabilistic Soft Logic,” in *Proceedings of the International Workshop on Uncertainty Reasoning for the Semantic Web (URSW)*, November 2012. Available in [PDF](#).

- W58. Bert Huang*, Angelika Kimmig*, Lise Getoor, and Jennifer Golbeck, “Probabilistic Soft Logic for Trust Analysis in Social Networks,” in *International Workshop on Statistical Relational Artificial Intelligence (StaRAI 2012)*, August 2012. Available in [PDF](#).
- W57. Galileo Mark Namata*, Ben London*, Lise Getoor, and Bert Huang* “Query-driven Active Surveying for Collective Classification,” in *ICML Workshop on Mining and Learning with Graphs*, June, 2012. Available in [PDF](#).
- W56. Steve Minton, Matthew Michelson, Kane See, Sofus A. Macskassy, Bora C. Gazen, and Lise Getoor, “Improving Classifier Performance by Autonomously Collecting Background Knowledge from the Web,” in *Tenth International Conference on Machine Learning and Applications (ICMLA)*, December, 2011. Available in [PDF](#).
- W55. Jay Pujara*, Hal Daumé III*, and Lise Getoor, “Using Classifier Cascades for Scalable E-mail Classification,” in *8th Annual Collaboration, Electronic messaging, Anti-Abuse and Spam Conference (CEAS)*, September, 2011. **Winner of Best Paper Award**. Available in [PDF](#).
- W54. Jay Pujara*, Ben London*, and Lise Getoor, “Reducing Label Cost by Combining Feature Labels and Crowdsourcing,” in *ICML Workshop on Combining Learning Strategies to Reduce Label Cost*, June, 2011. Available in [PDF](#).
- W53. Walaa Eldin Moustafa*, Galileo Mark Namata*, Amol Deshpande, and Lise Getoor, “Declarative Analysis of Noisy Information Networks,” in *ICDE Workshop on Graph Data Management: Techniques and Applications*, April, 2011. Available in [PDF](#).
- W52. Lilyana Mihalkova*, Walaa Eldin Moustafa*, and Lise Getoor, “Learning to Predict Web Collaborations,” in *WSDM Workshop on User Modeling for Web Applications*, April, 2011. Available in [PDF](#).
- W51. Daozheng Chen*, Mustafa Bilgic*, Lise Getoor, David Jacobs, Lilyana Mihalkova, and Tom Yeh, “Active Inference for Retrieval in Camera Networks,” in *Workshop on Person Oriented Vision*, January, 2011. Available in [PDF](#).
- W50. Hossam Sharara*, Lise Getoor, and Myra Norton, “Active Surveying,” in *NIPS Workshop on Networks Across Disciplines in Theory and Applications*, December, 2010. Available in [PDF](#).
- W49. Jay Pujara* and Lise Getoor, “Coarse-to-Fine, Cost-Sensitive Classification of E-Mail,” in *NIPS Workshop on Coarse-to-Fine Processing*, December, 2010. Available in [PDF](#).
- W48. Stephen H. Bach*, Matthias Broecheler*, Stanley Kok, and Lise Getoor, “Decision-Driven Models with Probabilistic Soft Logic,” in *NIPS Workshop on Predictive Models in Personalized Medicine*, December, 2010. Available in [PDF](#).
- W47. Elena Zheleva*, Lise Getoor, and Sunita Sarawagi, “Higher-order Graphical Models for Classification in Social and Affiliation Networks,” in *NIPS Workshop on Networks Across Disciplines: Theory and Applications*, December, 2010. Available in [PDF](#).
- W46. Hossam Sharara*, Lise Getoor, and Myra Norton, “An Active Learning Approach for Identifying Key Opinion Leaders,” in *The Second Workshop on Information in Networks (WIN)*, September, 2010. Available in [PDF](#).
- W45. Janardhan Doppa*, Jun Yu*, Prasad Tadepalli, Lise Getoor, “Chance-Constrained Programs for Link Prediction,” in *NIPS Workshop on Analyzing Networks and Learning with Graphs*, December, 2009. Available in [PDF](#).

- W44. Mustafa Bilgic* and Lise Getoor, “Link-based Active Learning,” in *NIPS Workshop on Analyzing Networks and Learning with Graphs*, December, 2009. Available in [PDF](#).
- W43. Daozheng Chen*, Mustafa Bilgic*, Lise Getoor, and David Jacobs, “Efficient Resource-constrained Retrospective Analysis of Long Video Sequences,” in *NIPS Workshop on Adaptive Sensing, Active Learning and Experimental Design: Theory, Methods and Applications*, December, 2009. Available in [PDF](#).
- W42. Swapna Somasundaran*, Galileo Mark Namata*, Lise Getoor, and Janyce Wiebe, “Opinion Graphs for Polarity and Discourse Classification,” in *TextGraphs-4: Graph-based Methods for Natural Language Processing*, August, 2009. Available in [PDF](#).
- W41. Hossam Sharara*, Lisa Singh, Lise Getoor, and Janet Mann, “The Dynamics of Actor Loyalty to Groups in Affiliation Networks,” in *International Conference on Advances in Social Networks Analysis and Mining*, July, 2009. Available in [PDF](#).
- W40. Galileo Mark Namata* and Lise Getoor, “Identifying Graphs From Noisy and Incomplete Data,” in *First ACM SIGKDD Workshop on Knowledge Discovery from Uncertain Data*, July, 2009. Available in [PDF](#).
- W39. Matthias Broecheler* and Lise Getoor, “Probabilistic Similarity Logic,” in *International Workshop on Statistical Relational Learning*, July, 2009. Available in [PDF](#).
- W38. Galileo Mark Namata* and Lise Getoor, “A Pipeline Approach to Graph Identification” in *7th International Workshop on Mining and Learning with Graphs*, July, 2009 Available in [PDF](#).
- W37. Marc Smith, Vladimir Barash*, Lise Getoor, and Hady Lauw, “Leveraging Social Context for Searching Social Media,” in *CIKM Workshop on Search in Social Media*, October 2008. Available in [PDF](#).
- W36. Barna Saha* and Lise Getoor, “Group Proximity Measure for Recommending Groups in Online Social Networks,” in *Second ACM SIGKDD Workshop on Social Network Mining and Analysis (SNA-KDD)*, August, 2008. Available in [PDF](#).
- W35. Elena Zheleva* and Lise Getoor, “Preserving the Privacy of Sensitive Relationships in Graph Data,” in *KDD Workshop on Privacy, Security and Trust (PinKDD)*, August 2007. Available in [PDF](#).
- W34. Hyunmo Kang*, Vivek Sehgal*, and Lise Getoor, “GeoDDupe: A Novel Interface for Interactive Entity Resolution in Geospatial Data,” in *Proceedings of the IEEE International Conference on Information Visualization (IV)*, 489-496, July 2007. [Acceptance rate: 50%] Available in [PDF](#).
- W33. Lisa Singh, Mitchell Beard*, Lise Getoor, and M. Brian Blake, “Visual Mining of Multi-Modal Social Networks at Different Abstraction Levels,” in *Proceedings of the IEEE International Conference on Information Visualization (IV)*, 672-680, July 2007. Available in [PDF](#).
- W32. Octavian Udrea* and Lise Getoor, “Combining Statistical and Logical Inference for Ontology Alignment,” in *IJCAI Workshop on Semantic Web for Collaborative Knowledge Acquisition (SWEKA)*, January 2007. Available in [PDF](#).
- W31. Vivek Sehgal*, Lise Getoor, and Peter Viechnicki, “Entity Resolution in Geospatial Data Integration,” in *Proceedings of 14th ACM International Symposium on Advances in Geographic Information Systems (ACMGIS)*, Arlington, VA, 83-90, November 2006. [Acceptance rate: 32%] Available in [PDF](#).

- W30. Mustafa Bilgic*, Louis Licamele*, Lise Getoor and Ben Shneiderman, “D-Dupe: An Interactive Tool for Entity Resolution in Social Networks,” in *Proceedings of the IEEE Symposium on Visual Analytics Science and Technology (VAST)*, Baltimore, MD, 43-50, October 2006. [Acceptance rate: 43%] Available in [PDF](#).
- W29. Rezarta Islamaj*, Lise Getoor and W. John Wilbur, “Feature Generation for Sequences: An Application to Splice Site Prediction,” in *Proceedings of the 10th European Conference on Principles and Practices of Knowledge Discovery in Databases (PKDD)*, 553-560, Berlin, Germany, September 2006. [Acceptance rate: 20%] Available in [PDF](#).
- W28. Gregory Piatetsky-Shapiro, Robert Grossman, Chabane Djeraba, Ronen Feldman, Lise Getoor, and Mohammed Zaki, “Is there a Grand Challenge or X-prize for Data Mining?” in *Proceedings of the 12th International Conference on Knowledge Discovery and Data Mining (KDD)*, Philadelphia, PA, 954-956, August 2006.
- W27. Galileo Namata*, Lise Getoor and Chris Diehl, “Inferring Organizational Titles in Online Communications,” in *ICML Workshop on Statistical Network Analysis (ICML-SNA)*, Pittsburgh, PA, June 2006. Available in [PDF](#).
- W26. Louis Licamele* and Lise Getoor, “Predicting Protein-Protein Interactions using Relational Features,” in *ICML Workshop on Statistical Network Analysis (ICML-SNA)*, Pittsburgh, PA, June 2006. Available in [PDF](#).
- W25. Bin Zhao*, Prithviraj Sen* and Lise Getoor, “Entity and Relationship Labeling in Affiliation Networks,” in *ICML Workshop on Statistical Network Analysis (ICML-SNA)*, Pittsburgh, PA, June 2006. Available in [PDF](#).
- W24. Indrajit Bhattacharya*, Louis Licamele*, and Lise Getoor, “Relational Clustering for Entity Resolution Queries,” in *ICML Workshop on Statistical Relational Learning (SRL)*, Pittsburgh, PA, June 2006. Available in [PDF](#).
- W23. Prithviraj Sen* and Lise Getoor, “Empirical Comparison of Approximate Inference Algorithms for Networked Data,” in *ICML Workshop on Statistical Relational Learning (SRL)*, Pittsburgh, PA, June 2006. Available in [PDF](#).
- W22. Prithviraj Sen* and Lise Getoor, “Cost-Sensitive Learning with Conditional Markov Networks,” in *SIAM Data Mining Workshop on Link Analysis, Counter-terrorism and Security (LACS)*, April, 2006. Available in [PDF](#).
- W21. Rezarta Islamaj*, Lise Getoor and W. John Wilbur, “A Feature Generation Algorithm for Sequences with Application to Splice-Site Prediction,” in *SIAM Data Mining International Workshop on Feature Selection for Data Mining: Interfacing Machine Learning and Statistics (FSDM)*, April, 2006. Available in [PDF](#).
- W20. Mustafa Bilgic*, Louis Licamele*, Lise Getoor and Ben Shneiderman, “D-Dupe: An Interactive Tool for Entity Resolution in Social Networks (poster),” in *Proceedings of the 13th International Symposium on Graph Drawing*, Limerick, Ireland, 505-507, September, 2005. [Acceptance rate: xx%] Available in [PDF](#).
- W19. Louis Licamele*, Mustafa Bilgic*, Lise Getoor and Nick Roussopoulos, “Capital and Benefit in Social Networks,” in *KDD Workshop on Link Discovery: Issues, Approaches and Applications (LinkKDD)*, 44-51, August 2005. Available in [PDF](#).

- W18. Indrajit Bhattacharya* and Lise Getoor, “Relational Clustering for Multi-type Entity Resolution,” in *KDD Workshop on Multi Relational Data Mining (MRDM)*, 3-12, August, 2005. Available in [PDF](#).
- W17. Indrajit Bhattacharya* and Lise Getoor, “Deduplication and Group Detection using Links,” in *KDD Workshop on Link Analysis and Group Detection*, Seattle, WA, August 2004. Available in [PDF](#).
- W16. Indrajit Bhattacharya* and Lise Getoor, “Iterative Record Deduplication,” in *ACM SIGMOD Workshop on Research Issues in Data Mining and Knowledge Discovery (DMKD)*, 11-18, Paris, FR, June 2004. Available in [PDF](#).
- W15. Qing Lu* and Lise Getoor, “Link-based Classification using Labeled and Unlabeled Data,” in *ICML Workshop on The Continuum from Labeled to Unlabeled Data in Machine Learning and Data Mining*, Washington, DC, 496-503, August 2003. Available in [PDF](#).
- W14. Qing Lu* and Lise Getoor, “Link-based Text Classification,” in *IJCAI Workshop on Text Mining and Link Analysis*, Acapulco, MX, August 2003. Available in [PDF](#).
- W13. Lise Getoor, “Multi-relational Data Mining using Probabilistic Models,” in *ECML Workshop on Multi-Relational Data Mining (MRDM)* Freiburg, Germany, September 2001. Available in [PDF](#).
- W12. Lise Getoor, Eran Segal, Ben Taskar and Daphne Koller, “Probabilistic Models of Text and Link Structure for Hypertext Classification,” in *IJCAI Workshop on ext Learning: Beyond Supervision*, 24-29, Seattle, WA, August 2001. Available in [PDF](#).
- W11. Marie desJardins, Lise Getoor and Daphne Koller, “Using Feature Hierarchies in Bayesian Network Learning,” in *Symposium on Abstraction, Reformulation and Approximation (SARA)*, Horseshoe Bay, TX, 247-259, July 2000. Available in [PDF](#).
- W10. Lise Getoor, Daphne Koller, Ben Taskar, and Nir Friedman, “Learning Probabilistic Relational Models with Structural Uncertainty,” in *AAAI Workshop on Learning Statistical Models from Relational Data (SRL)*, Austin, TX, July 2000. Available in [PDF](#).
- W9. Lise Getoor, Daphne Koller and Nir Friedman, “From Instances to Classes in Probabilistic Relational Models,” in *ICML Workshop on Attribute-Value and Relational Learning: Crossing the Boundaries*, Stanford, CA, June 2000. Available in [PDF](#).
- W8. Nir Friedman and Lise Getoor, “Efficient Learning using Constrained Sufficient Statistics,” in *Uncertainty99 (AI-Stats)*, Fort Lauderdale, FL, January 1999. Available in [PDF](#).
- W7. Lise Getoor and Mehran Sahami, “Using Probabilistic Relational Models for Collaborative Filtering,” in *Working Notes of the KDD Workshop on Web Usage Analysis and User Profiling*, San Deigo, CA, August 1999. Available in [PDF](#).
- W6. Urszula Chajewska, Joseph Norman and Lise Getoor, “Using Classification Techniques for Utility Elicitation: A Comparison between Standard Gamble and Visual Analog Scale Methods,” in *Twentieth Anniversary Meeting of the Society for Medical Decision Making (MDM’98)*, 1998. Available in [PDF](#).
- W5. Ursula Chajewska, Lise Getoor and Joseph Norman, “Utility Elicitation as a Classification Problem,” in *Proceedings of the AAAI Spring Symposium Series on Interactive and Mixed-Initiative Decision-Theoretic Systems*, Stanford, CA, March, 1998. Available in [PDF](#).
- W4. Lise Getoor and Markus Fromherz, “Online Scheduling for Reprographic Machines,” in *Working notes AAAI Workshop on Online Search*, Providence, RI, July 1997. Available in [PDF](#).

- W3. Amy Lansky, Mark Friedman, Lise Getoor, Scott Schmidler and Nick Short, Jr., “The Collage/Khoros Link: Planning for Image Processing Tasks,” in *Proceedings of the AAAI Spring Symposium on Integrated Planning Applications*, 67-76, Stanford University, CA, March 1995. Available in [PDF](#).
- W2. Amy Lansky and Lise Getoor, “Scope and Abstraction: Two Criteria for Localized Planning,” in *Proceedings of the Workshop on Theory Reformulation and Abstraction*, Jackson Hole, WY, May, 1994. available [lansky-ijcai95.pdf](#)
- W1. Amy Lansky and Lise Getoor, “Practical Planning in COLLAGE,” in *Proceedings of the AAAI Fall Symposium on Planning and Learning: On to Real Applications*, 98-104, New Orleans, LA, November, 1994. Available in [PDF](#).

Other Publications

- O8. Lise Getoor and Ashwin Machanavajjhala, Tutorial on “Entity Resolution in Big Data,” in *ACM SIGKDD International Conference on Knowledge Discovery and Data Mining (KDD 2013)*, Chicago, IL, August 2013.
- O7. “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.
- O6. “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.
- O5. “Active Surveying for Leadership Identification,” Hossam Sharara*, Myra Norton, and Lise Getoor, in *International Sunbelt Social Networks Conference (Sunbelt XXX)*, July, 2010.
- O4. Lise Getoor, “Entity Resolution in Network Data,” *International Conference on Network Science*, May 2006.
- O3. Indrajit Bhattacharya* and Lise Getoor, “Entity Resolution in Social Networks,” *International Sunbelt Social Network Conference (Sunbelt XXVI)*, April 2006.
- O2. Andreas Hotho, York Sure, and Lise Getoor, “Workshop Report: Mining for and from the Semantic Web at KDD 2004,” *SIGKDD Explorations*, volume 6, issue 2, 142-143, 2004.
- O1. Lise Getoor and David Jensen, “AAAI 2000 Workshop Reports,” *AI Magazine*, volume 22, number 1, 127-136, 2001.

Patents

- P6. “Probabilistic Similarity Logic,” with Matthias Broecheler. Provisional Patent IS-2009-080 submitted by University of Maryland, July 2009.
- P5. “Scalable Product Classification using Taxonomies,” with Panayiotis Tsaparas, Panagiotis Papadimitriou, Ariel Fuxman, Reakesh Agrawal. Filed May 2009 by Microsoft Research.
- P4. “Identifying Modifiers in Web Queries over Structured Data,” with Stelios Papparizos, Amruta Joshi, and Alex Ntoulas. Filed May 2009 by Microsoft Research.
- P3. “Context-Aware Query Recommendations Using Query Logs,” with Alex Ntoulas, Heasoo Hwang, Lise Getoor, Stelios Papparizos, Hady Lauw. Filed March 2009 by Microsoft Research.

- P2. “D-Dupe: A Visual Interface for Relational DeDuplication,” with Mustafa Bilgic, Louis Licamele and Ben Shneiderman. Provisional Patent submitted by University of Maryland.
- P1. “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.

INVITED TALKS AND KEYNOTES

Additional distinguished talks and keynotes listed under Honors

- T128. Invited speaker, Women in Data Science, Stanford University, November 2015.
- T127. Invited speaker, Big Graph Data Science, Facebook, August 2015.
- T126. Invited speaker, Large-scale Collective Inference using Probabilistic Soft Logic, Google, July 2015.
- T125. Invited speaker, Big Graph Data Science, Data Science Summit, July 2015.
- T124. Panelist, Privacy and Social Networks, International Conference on Who Owns the Data?, May 2015.
- T123. Invited speaker, Big Graph Data Science, CITRIS Research Exchange, May 2015.
- T122. Ignite Invited speaker, Big Graph Data Science, Samsung, March 2015.
- T121. Invited speaker, Scalable Collective Reasoning Using Probabilistic Soft Logic, Nuance, February 2015.
- T120. Invited speaker, Big Graph Data Science, MLConf, San Fransisco, CA, November 2014.
- T119. Invited Talk, Computer Science Department, KAIST University, October 2014.
- T118. Keynote Speaker, Big Graph Data Science, European Network Intelligence Conference, Wroclaw, Poland, September 2014.
- T117. Invited speaker, Probabilistic Inference in Graphs: Patterns, Techniques & Tools, Graph Exploitation Symposium, August 2014.
- T116. Invited speaker, Big Graph Data Science, DC Data Science Meetup, July 2014.
- T115. Invited Speaker, SIGMOD Workshop on Automatic Creation and Curation of Knowledge Bases (WACCK-2014), June 2014.
- T114. Invited Speaker, SIGMOD/PODS Workshop on Big Uncertain Data (BUDA-2014), June 2014.
- T113. Invited Speaker, Northern California Database Day, April 2014.
- T112. Invited Speaker, Stanford Workshop on AI and Knowledge (SWANK), April 2014.
- T111. Invited Speaker, Stanford InfoLab, January 2014.
- T110. Invited Speaker, NIPS Workshop, Frontiers of Network Analysis: Methods, Models, and Applications, December 2013.

- T109. Invited speaker, NWO Continuous Access to Cultural Heritage Workshop, Netherlands, October 2013.
- T108. Invited speaker, University of Maastricht, Netherlands, October 2013.
- T107. Invited speaker, Lueven University, Belgium, October 2013.
- T106. Invited speaker, NEH Workshop on Linked Open Data for Libraries Archives and Museums (LAD-LAM), University of Maryland, September 2013.
- T105. Invited speaker, International Workshop on Climate Informatics, NCAR, Boulder, CO, September 2013.
- T104. Invited speaker, Big Data Social Science Seminar Series, Penn State, September 2013.
- T103. Invited speaker, NIST Colloquium Series, September 2013.
- T102. Invited Speaker, Data Science for Social Good, University of Chicago, August 2013.
- T101. Tutorial, “Entity Resolution for Big Data,” International Conference on Knowledge Discovery and Data Mining, 2013.
- T100. Invited Speaker, Microsoft Faculty Summit, July 2013.
- T99. Keynote speaker, Seventh International Web Rule Symposium (RuleML), Seattle, WA, July 2013.
- T98. Invited Talk, Santa Fe Institute Workshop on Statistical Inference and Dynamics in Networks: From Graphs to Rich Data May, 2013.
- T97. Invited Speaker, AI Seminar, UC San Diego, January 2013.
- T96. Invited Speaker, UC Santa Barbara, January 2013.
- T95. Invited Tutorial, Conference on Neural Information Processing (NIPS), December 2012.
- T94. Invited Speaker, UC Irvine, November, 2012.
- T93. Panelist, “Challenges in Big Data: Discoveries at the Fringe of Science,” at the AAAI Fall Symposium on Discovery Informatics, November 2012.
- T92. Invited Speaker, WIN Workshop on Information in Networks, September 2012.
- T91. Tutorial, “Entity Resolution: Theory, Practice and Open Challenges,” International Conference on Very Large Data Bases (VLDB), joint with Ashwin Machanavajjhala, Istanbul, TK, August 2012.
- T90. 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.
- T89. Tutorial, “Entity Resolution: Theory, Practice and Open Challenges,” National Conference on Artificial Intelligence (AAAI), joint with Ashwin Machanavajjhala, Toronto, CA, July 2012.
- T88. Invited Speaker, ICML Workshop on Statistical Relational Learning, June 2012.
- T87. Invited Speaker, ISI/USC AI Seminar Series, June 2012.

- T86. Invited Speaker, Santa Fe Institute Workshop on Networks and the Power Grid, May 2012.
- T85. Invited Speaker, Microsoft Research Speaker Series, May 2012.
- T84. Invited speaker, CRA-W/CDC Distinguished Lecture Series (DLS), as part of Capital Region Celebration of Women in Computing, April 2012.
- T83. Invited Speaker, Network Links: Connecting Social, Communication, and Biological Network Analysis, University of Minnesota, Institute for Mathematics and its Applications (IMA), February 2012.
- T82. Invited Speaker, UMD HCIL Summer Social Webshop, August, 2011.
- T81. Tutorial, “Learning Statistical Models from Relational Data,” ACM International Conference on Management of Data (SIGMOD), joint with Lily Mihalkova, Athens, GR, June, 2011.
- T80. Invited Speaker, “Collective Entity Resolution,” Person Validation and Entity Resolution Conference, United States Census Bureau, Washington, DC, May 2011.
- T79. 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.
- T78. Invited Speaker, Yahoo! Seminar Series in Machine Learning, Rutgers, NJ, April 2011.
- T77. Invited Speaker, DIMACS Workshop on Data Quality Metrics, Rutgers, NJ, February 2011.
- T76. 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.
- T75. Invited Speaker, NIPS Workshop on Challenges of Data Visualization, Whistler, BC, December 2010.
- T74. Invited Speaker, NIPS Workshop on Networks Across Disciplines: Theory and Applications, Whistler, BC, December 2010.
- T73. Invited Speaker, UC Riverside Department Seminar, November, 2010.
- T72. Invited Speaker, The NEH/IPAM Summer School on Networks and Network Analysis for the Humanities, UCLA, CA, August 2010.
- T71. 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.
- T70. Invited Speaker, The Ninth International Symposium on Data Analysis, Tuscon, AZ, May 2010.
- T69. Invited Speaker, DIMACS Workshop on Statistical Issues in Analyzing Information from Diverse Sources Rutgers, NJ, May 2010.
- T68. Invited Talk, Computer Science Colloquium, Rensselaer Polytechnic Institute, October, 2009.
- T67. Invited Talk, Systems@ETH, ETH, Zurich, Switzerland, April, 2009.
- T66. Invited Talk, Jozef Stefan Institute, Ljubljana, Slovenia, March, 2009.

- T65. Invited Talk, Stanford InfoSeminar, January, 2009.
- T64. Invited Talk, Google, December, 2008.
- T63. Invited Talk, Price-Waterhouse Cooper, December, 2008.
- T62. Invited Talk, Santa Fe Institute Workshop on Statistical Inference in Complex Networks, December, 2008.
- T61. Invited Speaker, SIAM Annual Meeting, San Diego, CA, July, 2008.
- T60. Tutorial, "Data and Metadata Alignment: Concepts and Techniques," IEEE International Conference on Data Engineering, joint with Renee Miller, Cancun, MX, April, 2008.
- T59. Invited talk, "Finding the Information in Information Networks," NASA Goddard Information Science & Technology Colloquium Series, February, 2008.
- T58. Invited talk, University of Wisconsin, November, 2007.
- T57. Invited talk, SAIL, MIT, October, 2007.
- T56. Tutorial, "Data and Metadata Alignment," Alberto Mendelzon Workshop on Foundations of Databases and the Web, Punta del Este, Uruguay, October, 2007.
- T55. Invited talk, International Conference on Scalable Uncertainty Management (SUM), Washington, DC, October, 2007.
- T54. Invited talk, Workshop on the Management of Uncertain Data, at the Conference on Very Large Databases, Vienna, Austria, September, 2007.
- T53. Tutorial, "An Introduction to Statistical Relational Learning," European Conference on Machine Learning, Warsaw, Poland, September, 2007.
- T52. 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.
- T51. Invited Speaker, "Statistical Relational Learning," PROLOGIC: Third Workshop on Combining Probability and Logic, Canterbury, UK, September, 2007.
- T50. Keynote Speaker, "Graph Identification," Mining and Learning with Graphs, Florence, Italy, August, 2007.
- T49. Invited talk, "Graph Identification," Naval Research Laboratory (NRL), July, 2007.
- T48. Invited Panelist, "The Next Ten Years of Relational Learning," Inductive Logic Programming Conference (ILP), June, 2007.
- T47. Panelist, Social Network Marketing, hosted by Mario Armstrong, The Center Club, Baltimore, MD, March, 2007.
- T46. Invited talk, "Statistical Relational Learning: Entity Resolution and Link Prediction," CMU Intelligence Seminar, March, 2007

- T45. Invited Talk, “Statistical Relational Learning and Entity Resolution,” Lawrence Livermore National Laboratory, December, 2006.
- T44. Panelist, The Future of Computer Science, UMD CS Department, December, 2006.
- T43. Speaker, Informatics Maryland 2006, November, 2006.
- T42. Invited Talk, “Statistical Relational Learning: Theory and Applications,” New York Academy of Science Machine Learning Symposium, October, 2006.
- T41. Invited Talk, “Statistical Relational Learning: Theory and Applications,” Workshop on Women in Machine Learning, Grace Hopper Conference, October, 2006.
- T40. Presentation, “Statistical Relational Learning: A Quick Intro,” Workshop on Uncertain and Probabilistic Databases (UPDB), Stanford University, September, 2006.
- T39. Invited Panelist, “Grand Challenges for Data Mining,” Knowledge Discovery and Data Mining Conference, August, 2006.
- T38. Invited Talk, “Entity Resolution in Relational Data,” University of Trento, May, 2006.
- T37. Invited Talk, “Link Mining and Entity Resolution,” University of Waterloo, April, 2006.
- T36. Invited Talk, “Link Mining,” University of Texas at Austin, February, 2006.
- T35. Presentation, “Link Mining and Entity Resolution,” Workshop on Knowledge Discovery and Dissemination, November, 2005.
- T34. Invited Speaker, “An Introduction to Probabilistic Relational Models for Biological and Clinical Applications,” Knowledge-Based Bioinformatics Workshop, Montreal, Canada, September, 2005.
- T33. Joint Invited Tutorial on “Statistical Relational Learning” at the International Machine Learning Conference and the Inductive Logic Programming Conference, Bonn, Germany, August, 2005.
- T32. 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.
- T31. Invited Talk, “Statistical Relational Learning and Link Mining,” Johns Hopkins Applied Physics Lab (JHUAPL), June, 2005.
- T30. Invited Talk, “Statistical Relational Learning and Link Mining,” University of Illinois at Urbana-Champaign, November, 2004.
- T29. Invited Talk, “Statistical Relational Learning and Link Mining,” Purdue, November, 2004.
- T28. Presentation, “Link Mining and Discovery,” Workshop on Knowledge Discovery and Dissemination, Arlington, VA, September, 2004.
- T27. Invited talk, “Link Mining,” KDD Workshop on Multi-Relational Data Mining, August, 2004.
- T26. Invited talk, “Statistical Relational Learning,” George Mason University, April, 2004.
- T25. Invited talk, “Statistical Relational Learning,” AI and Statistics Seminar Series, UC Irvine, December, 2003.

- T24. Invited talk, “Link Mining,” Workshop on Knowledge Fusion, Cambridge, MD, November, 2003.
- T23. Presentation, “Link Mining,” Workshop on Knowledge Discovery and Dissemination, Arlington, VA, November, 2003.
- T22. Invited talk, “Learning Statistical Models from Relational Data,” Georgetown University, September, 2003.
- T21. Invited talk, “Link Mining,” Workshop on Statistical Inference, Computation and Graph Visualization, Stanford, CA, August, 2003.
- T20. Invited talk, “Selectivity Estimation using Probabilistic Models,” North Eastern Database Society, April, 2003.
- T19. Invited talk, “Selectivity Estimation using Probabilistic Models,” CMU/Pitt Database series, April, 2003
- T18. Talk, “Learning Statistical Models from Relational Data,” MIT, April, 2003
- T17. Talk, “Learning Statistical Models from Relational Data,” UMass Amherst, April, 2003
- T16. Invited talk, “Learning Statistical Models from Relational Data,” University of Toronto, March 2003.
- T15. Invited Talk, “Learning Statistical Models from Relational Data,” University of Montreal, March 2003.
- T14. Series of four tutorials, “Learning Probabilistic Relational Models,” at ISI/USC, June-July, 2002.
- T13. Invited talk, “Learning Structured Statistical Models from Relational Data,” Machine Intelligence 19, UK. September, 2002.
- T12. Invited talk, “Learning Statistical Models from Relational Data,” Summer School on Relational Data Mining, Helsinki, FI. August, 2002.
- T11. Invited talk, “Learning Statistical Models from Relational Data,” University of Alberta, Canada. April, 2002.
- T10. Invited talk, “Learning Statistical Models from Relational Data,” Information Sciences Institute (ISI). December, 2001.
- T9. Invited talk, “Learning Statistical Models from Relational Data,” University of Pisa, Italy. September, 2001.
- T8. Invited talk, “Selectivity Estimation using Probabilistic Models,” IBM Almaden. July, 2001.
- T7. Invited talk, “Learning Probabilistic Relational Models,” NASA-Ames Research Center, September 2000.
- T6. Talk, “An Introduction to Graphical Models for Tuberculosis Diagnosis,” San Francisco Tuberculosis Clinic, March 2000.
- T5. Talk, “Learning Probabilistic Relational Models,” Hewlett-Packard Labs, June 1999.
- T4. Invited talk, “Learning Probabilistic Relational Models,” Naval Research Laboratory (NRL), May 1999.

- T3. Invited talk, “Scope and Abstraction in Constraint-based Planning,” AI Laboratory, Swiss Federal Institute of Technology (EPFL), Lausanne, Switzerland, July 1994.
- T2. Invited talk, “Scope and Abstraction in Constraint-based Planning,” Mechanized Reasoning Group, Instituto per la Ricerca Scientifica e Tecnologica (IRST), Trento, Italy, July 1994.
- T1. Panel member, *AAAI Fall Symposium on Planning and Learning: On to Real Applications*, November 1994.

PROFESSIONAL SERVICE

Professional Committees

- 2014-present Computing Research Association (CRA) Board, AAAI Representative.
- 2014-present San Diego Super Computer External Advisory Board.
- 2012-present External Advisory Board, Big Data Social Science Integrative Education and Research Program (IGERT) in Social Data Analytics, Penn State University.
- 2009-present International Machine Learning Society (IMLS) Board, elected member, second term.
- 2004-2007 AAAI Councilor, elected member.

Editorial Boards

- 2009-present **Editor:** Morgan & Claypool Synthesis Lectures on Data Mining and Knowledge Discovery.
- 2008-2011 **Associate Editor:** ACM Transactions on Knowledge Discovery from Data (TKDD).
- 2006-2009 **Associate Editor:** Journal of Artificial Intelligence (JAIR).
- 2007-2010 **Action Editor:** Machine Learning Journal (MLJ).
- 2005-2008 **Editorial Board:** Journal of Artificial Intelligence (JAIR).
- 2004-2006 **Editorial Board:** Machine Learning Journal (MLJ).

Organizing Committees

- 2013 **Co-organizer:** “Mining and Learning from Graphs,” Workshop at the International Knowledge Discovery and Data Mining Conference (KDD).
- 2013 **Co-organizer:** “Structured Learning in Graphs,” Workshop at the International Conference on Machine Learning (ICML).
- 2011 **PC co-chair:** International Conference on Machine Learning (ICML).
- 2010 **Co-organizer:** “Mining and Learning from Graphs,” Workshop at the International Knowledge Discovery and Data Mining Conference (KDD).
- 2010 **Co-organizer:** NSF III PI Workshop on Information, Integration and Informatics.
- 2009 **Panalist,** Aspen Institute Roundtable on “Big Data”.
- 2008 **Co-organizer:** “Statistical Models of Networks,” Neural Information Processing (NIPS) workshop.
- 2007 **Co-organizer:** “Probabilistic, Logical and Relational Learning,” Dagstuhl workshop.
- 2006 **Co-chair:** “Open Problems in Statistical Relational Learning (SRL06)” Workshop at International Conference on Machine Learning.

- 2005 **Co-organizer:** “Probabilistic, Logical and Relational Learning—Towards a Synthesis,” Dagstuhl workshop.
- 2004 **Organizing Committee:** “DHS Data Sciences Workshop,” DHS Advanced Scientific Computing (ASC) Requirements workshop, September, 2004.
- 2004 **Organizing Committee:** “Mining for and from the Semantic Web,” workshop at the International Conference on Knowledge Discovery and Data Mining (KDD).
- 2004 **Co-chair:** “Statistical Relational Learning and its Connections to Other Fields (SRL04)” workshop at International Conference on Machine Learning (ICML).
- 2003 **Co-chair:** “Learning Statistical Models from Relational Data (SRL03)” workshop at International Joint Conference on Artificial Intelligence (IJCAI).
- 2003 **Publications chair:** International Conference on Knowledge Discovery and Data mining (KDD).
- 2000 **Co-chair:** “Learning Statistical Models from Relational Data (SRL00)” workshop at Seventeenth National Conference on Artificial Intelligence (AAAI).

Senior Program Committee Member or Area Chair

- 2014 International Conference on Machine Learning (ICML)
- 2013 Conference on Uncertainty in Artificial Intelligence (UAI)
- 2013 International Conference on Knowledge Discovery and Data Mining (KDD)
- 2013 International Conference on Weblogs and Social Media (ICWSM)
- 2012 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)
- 2011 National Conference on Artificial Intelligence (AAAI)
- 2010 International Conference on Knowledge Discovery and Data Mining (KDD)
- 2010 International Conference on Weblogs and Social Media (ICWSM)
- 2009 International Conference on Knowledge Discovery and Data Mining (KDD)
- 2009 International Joint Conference on Artificial Intelligence (IJCAI)
- 2008 International Conference on Machine Learning (ICML)
- 2008 National Conference on Artificial Intelligence (AAAI)
- 2008 SIAM Data Mining Conference (SDM)
- 2007 International Conference on Machine Learning (ICML)
- 2007 National Conference on Artificial Intelligence (AAAI)
- 2007 SIAM Data Mining Conference (SDM)

- 2006 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)
- 2005 International Conference on Machine Learning (ICML)
- 2004 International Conference on Machine Learning (ICML)

Conference Program Committee Member

- 2013 IEEE International Conference on Big Data
- 2011 IEEE International Conference on Social Computing
- 2010 International Conference on Advances in Social Networks Analysis and Mining (ANOSAM)
- 2019 International Conference on Inductive Logic Programming (ILP)
- 2009 International World Wide Web Conference (WWW)
- 2009 International Conference on the Semantic Web (ICSW)
- 2009 IEEE International Conference on Social Computing
- 2008 International Conference on Very Large Databases (VLDB)
- 2006 International Conference on Management of Data (SIGMOD)
- 2006 International Conference on Very Large Databases (VLDB)
- 2005 International Conference on Inductive Logic Programming (ILP)
- 2005 International Conference on Artificial Intelligence (IJCAI)
- 2005 Artificial Intelligence & Statistics (AI & STAT 2005)
- 2004 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)
- 2003 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)

2002 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)

Workshop Program Committee Member

2012 QDB International Workshop on Quality in Databases, VLDB

2011 Workshop on Entity-Oriented Search, SIGIR

2011 Workshop on Link Analysis in Heterogeneous Information Networks, IJCAI

2010 Workshop on Machine Learning for Social Computing, NIPS

2010 TextGraphs-5: Graph-based Methods for Natural Language Processing

2010 ECML/PKDD Workshop: Dynamic Networks and Knowledge Discovery (DyNaK 2010)

2010 Workshop on Social Media Analytics (SOMA), KDD Workshop

2010 SemSearch, Semantic Search 2010 Workshop, WWW

2009 CIKM 2009 workshop: Complex Networks meet Information & Knowledge Management (CNIKM)

2009 ACL-IJCNLP Workshop, TextGraphs-4, Graph-based Methods for Natural Language Processing

2009 Third International Workshop on Social Network Mining and Analysis (SNA-KDD), KDD Workshop

2009 LACTS 2009 Workshop, Workshop on Link Analysis, Counterterrorism and Security (Adversarial Data Analysis), SIAM International Data Mining Conference

2009 SemSearch, Semantic Search 2009 Workshop, WWW workshop

2009 The First International Workshop on Emails in e-Commerce and Enterprise Context (E3C), CEC

2008 Second International Workshop on Social Network Mining and Analysis (SNA-KDD 2008), KDD Workshop.

2008 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

2007 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
- 2003 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
- 2002 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
- 2002 Symposium on Abstraction, Reformulation and Approximation, SARA

Other Outside Professional Activities

- 2015 Invited participant, NSF Workshop on Data Science Education.
- 2015 Invited participant, Federal Big Data Strategic Initiative for Research Initiative for Big Data, an NSF/NITRD workshop.
- 2005 Member of NSF CISE Advisory Board, Committee of Visitors (COV) Review Panel.
- 2002– **NSF panels.** 9 confidential panels on various topics.

UNIVERSITY SERVICE

- 2013–2015 Associate Dean of Research, BSOE
- 2015 Co-chair CS Faculty Search Committee
- 2015 Computer Science Personnel Committee
- 2014 BSOE Dean Search Committee
- 2014 Member, Ira & Kate Pohl Award
- 2014 Member TM Faculty Search Committee
- 2013 Member CS Faculty Search Committee

UC SANTA CRUZ DATA SCIENCE SERVICE

- 2015 Organized Spring Data Science Afternoon, over 250 attendees.
- 2015 Organized Winter Data Science Afternoon, over 150 attendees.
- 2014 Organized Panel on Data Science Education, over 100 attendees.
- 2014 Multiple presentations on UC Santa Cruz Data Science Initiative on campus trip to Korea.
- 2014-2015 Hosted numerous invited speakers including: Lada Adamic, Tanya Berger-Wolfe, Tina Eliassi-Rad, Rayid Ghani, Ray Mooney, Peter Norvig, Dan Roth, Ben Shneiderman
- 2014 Presentation to Foundation Board

ADVISING AND RESEARCH SUPERVISION

Postdoctoral Supervision

- 2014-2015 **Dr. Jimmy Foulds**, UC Santa Cruz. current position: Postdoc, UC San Diego.
- 2011-2014 **Dr. Bert Huang**, University of Maryland, College Park. current position: Assistant Professor, Virginia Tech.
- 2012-2013 **Dr. Angelika Kimmig**, University of Maryland, College Park, visiting from KU Lueven.
- 2010-2011 **Dr. Stanley Kok**, University of Maryland, College Park. current position: Assistant Professor, Singapore University of Technology and Design.
- 2009-2011 **Dr. Lily Mihalkova**, University of Maryland, College Park. current position: software engineer, Google.

Graduate Student Supervision by Graduation Date

- 2018 **Matthew Howard** Ph.D. student, UC Santa Cruz
- 2017 **Dhanya Sridhar** Ph.D. student, UC Santa Cruz
- 2017 **Pigi Kouki** Ph.D. student, UC Santa Cruz
- 2017 **Alex Memory** Ph.D. student, University of Maryland, College Park
- 2017 **Hui Miao** (co-advisor) Ph.D. student, University of Maryland, College Park
- 2016 **Arti Ramesh** Ph.D. student, University of Maryland, College Park
- 2016 **Shobeir Fahkreati** Ph.D. student, University of Maryland, College Park
- 2015 **Shachi Kumar** MS student, UC Santa Cruz
- 2015 **Jay Pujara**, Ph.D. student, University of Maryland, College Park
- 2015 **Stephen Bach**, Ph.D. student, University of Maryland, College Park
- 2015 **Benjamin London**, Ph.D. student, University of Maryland, College Park
- 2015 **Theodoris Rekatsinas**, (co-advisor) Ph.D. student, University of Maryland, College Park
- 2013 **Walaa Eldin Mustafa**, (co-advisor) Ph.D. student, University of Maryland, College Park
- 2012 **Hossam Sharara**, Ph.D. student, University of Maryland, College Park
- 2012 **Galileo Namata**, Ph.D. student, University of Maryland, College Park
- 2012 **Louis Licamele**, Ph.D. student, University of Maryland, College Park
- 2011 **Bradley Skaggs**, MS student, University of Maryland, College Park
- 2011 **Elena Zheleva**, Ph.D. student, University of Maryland, College Park
- 2010 **Mustafa Bilgic**, Ph.D. student, University of Maryland, College Park
- 2009 **Prithviraj Sen**, (co-advisor) Ph.D. student, University of Maryland, College Park
- 2007 **Rezarta Islamaj**, Ph.D. student, University of Maryland, College Park
- 2007 **Vivek Sehgal**, MS student, University of Maryland, College Park
- 2006 **Indrajit Bhattacharya**, Ph.D. student, University of Maryland, College Park
- 2004 **Qing Lu**, MS student, University of Maryland, College Park

Ph.D. Student Qualifying Committee

- 2015 Pedro Regueiro, AMS
- 2014 Michael Leece, CS
- 2014 Vasileios Polychronopoulos, CS
- 2013 Rajan Vaish, CS

M.S. Student Dissertation Reader and Examination Committee

2015 Abhinav Venkateswar Venkataraman, CS.

2015 Pigi Kouki, TM.

Ph.D. Thesis External Examiner

2013 Rui Li, University of Illinois, Urbana-Champaign.

2012 Hassan Khosravi, Simon Frasier University.

2009 Ming Hau, Simon Frasier University.

2009 Mark Dredze, University of Pennsylvania (PENN).

2008 Vitor Carvalho, Carnegie Mellon University (CMU).

TEACHING**UC Santa Cruz Teaching**

Year	Term	Course	Responding/Enrolled	% Taught
2015	Spring	CMPS 297A: Independent Study or Research	2	100%
2015	Spring	TIM 297A: Independent Study or Research	2	100%
2015	Winter	CMPS 140: Artificial Intelligence	25/53 (47%)	100%
2015	Winter	CMPS 297A: Independent Study or Research	2	100%
2015	Winter	TIM 297A: Independent Study or Research	2	100%
2014	Fall	CMPS 297A: Independent Study or Research	2	100%
2014	Spring	TIM 297A: Independent Study or Research	2	100%
2014	Spring	CMPS 290C: Advanced Machine Learning	11/11 (100%)	100%
2014	Spring	CMPS 297A: Independent Study or Research	2	100%
2014	Winter	CMPS 297A: Independent Study or Research	1	100%

Table 1: Summary of Classroom Teaching

UMD Teaching

2013 CMSC 421 - Artificial Intelligence, Spring 2013

2012 CMSC 828L - Link Mining, new seminar focused on entity resolution, Spring 2012

2011 CMSC 421 - Artificial Intelligence, significant redesign, Fall 2011

2010 CMSC 726 - Introduction to Machine Learning, Fall 2010

2010 CMSC 828L - Advanced Machine Learning: Combining Statistical and Logical Approaches, Spring 2010

2008 CMSC 828G - Link Mining and Dynamic Graph Analysis, Spring 2008

2007 CMSC 421 - Artificial Intelligence, Spring 2007

2006 CMSC 421 - Artificial Intelligence, Fall 2006

2005 CMSC 421 - Artificial Intelligence, Fall 2005

2005 CMSC 828G - Statistical Relational Learning and Link Mining, created new course on statistical relational learning, Spring 2005.

2004 CMSC 726 - Introduction to Machine Learning, Spring 2005

2004 CMSC 726 - Introduction to Machine Learning, Spring 2004

2003 CMSC 421 - Artificial Intelligence, Fall 2003

- 2003 Reading Group in Data Mining, Fall 2003
- 2003 Reading Group in Link Analysis and Graph Mining, Summer 2003
- 2003 Reading Group in Graphical Models, Spring 2003
- 2002 CMSC 421 - Artificial Intelligence, Fall 2002
- 2002 CMSC 828G - Data Mining, created a new graduate data mining curriculum, the course presents a statistical foundation for data mining, Spring 2002