

Curriculum Vitae

Padmini Srinivasan
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EDUCATION:

Ph.D., Information Transfer, Syracuse University, August 1985
M.Sc. (Hons.), Biological Sciences, Birla Institute of Technology and Science
(Pilani, India), 1978
Delhi Higher Secondary, Delhi Tamil Education Association, New Delhi, India, 1973.

ACADEMIC & OTHER POSITIONS:

Professor, Computer Science Department (January 2009 - present)
& Department of Management Sciences (courtesy appt. July 2011 - present)
The University of Iowa.
Visiting Professor, Indian Institute of Science, Bangalore, India, January 2010 - June 2010.
Director, Interdisciplinary Graduate Program in Informatics (Information Science subtrack),
The University of Iowa, 2005 - 2010.
Professor, School of Library and Information Science & Department of Management
Sciences, & Computer Science Department (courtesy)
The University of Iowa, July 2005 - December 2008
Visiting Faculty Scholar, Lister Hill Research Center,
National Library of Medicine, January 2002 - December 2002 and
September 2003 - November 2003.
Associate Professor, School of Library and Information Science & Department of Management
Sciences, & College of Nursing The University of Iowa, August 1992 - July 2005
Director, School of Library and Information Science, August 1996 - July 2000
Assistant Professor, School of Library and Information Science & Department of Management
Sciences, The University of Iowa, August 1989 - May 1992
Visiting Professor, Computer Science Department, Cornell University
Spring 1995 (Sabbatical visit)
Assistant Professor, Department of Information Systems and Systems Engineering
George Mason University, Fairfax, VA. August 1987 - August 1989
Assistant Professor, Department of Computer and Information Science
George Mason University, Fairfax, VA. January 1986 - August 1987
Post Doctoral Fellow, Office of Research. OCLC, Dublin, OH. March 1985 - October 1985
Adjunct Faculty, School of Information Studies,
Syracuse University, Syracuse, NY. September 1982 - August 1983
Research Assistant, School of Information Studies,
Syracuse University, Syracuse, NY. September 1980 - February 1985

HONORS and AWARDS:

- Associate Editor. BMC Bioinformatics. 2015 -
- National Library of Medicine (NLM/NIH) Board (Biomedical Library and Informatics Review Committee): 07/01/2009 - 06/30/2013
- Tippie Research Fellow. College of Business. University of Iowa. 2005 - July 2011.
- Board of Scientific Counselors. Lister Hill Research Center. National Library of Medicine, Member: 1998 - 2002, Chair: 2001 - 2002.
- Editorial Board Member. Journal of the American Society for Information Science & Technology. 1998-
- Editorial Board Member. The Journal of Digital Information Management. 2005-
- UI Faculty Scholar, 2001-2003.
- Advisory Board Member. Journal Information Studies (Ranganathan Centre for Information Studies). 2001-
- UI Central Investment Fund for Research Enhancement (CIFRE) Award, 1996.
- Old Gold Summer Fellow, The University of Iowa, 1990, 1991
- Gaylord Fellow, Syracuse University, 1982 - 1983.
- National Science Talent Scholarship, National Competition, India 1973 - 1978

TEACHING

Ph.D. Students

1. Miguel Ruiz. Interdisciplinary Ph.D. in Information Retrieval. Spring 2002. Currently: Nuance.
2. Gautam Pant. Management Sciences. Ph.D. Summer 2004. Currently: Associate Professor. Management Sciences, The University of Iowa.
3. Xin Ying Qiu. Management Sciences. Ph.D. Summer 2007. CISCO School of Informatics, Guongdong University of Foreign Studies, China.
4. Aditya Sehgal. Computer Science. Ph.D. Fall 2007. Research Scientist, Parity Computing, San Diego.
5. Brian Almquist. Management Sciences. Ph.D. Spring 2011.
6. Ha Thuc Viet. Computer Science. Ph.D. Spring 2011. Currently: Yahoo! Research.
7. Yelena Mejova. Postdoctoral Fellow, Yahoo! Barcelona, Computer Science, 2012
8. Hung Viet Tran. [Co-advisor along with Alberto Segre], Tutor Universe, Inc., Computer Science, 2012
9. Christopher Harris. Informatics (Information Science). Informatics, Fall 2013. Currently: Assistant Professor, Computer Science, SUNY Oswego.
10. Sanmitra Bhattacharya. Application Specialist, Linguamatics, Boston. Computer Science, Spring 2014. Currently:
11. Chao Yang. Amazon. Computer Science, 2014
12. Xiaoxuan Zhang. Computer Science. Fall 2013 -

13. John Gikonyo. Health Informatics. Fall 2014 -

14. Momina Tabish, Computer Science. Fall 2014 -

Ph.D. Committees

1. Yi Zhang. Spring 2006. Management Sciences.
2. Kaan Ataman. Summer 2007. Management Sciences.
3. Ding Yuan. Fall 2007. Management Sciences.
4. Bob Ahrens. Fall 2009. Computer Science.
5. Chih-Lin Chi, Fall 2009. Health Informatics.
6. Mohammad Khoshneshin, Management Sciences 2012
7. Lian Duan, Management Sciences 2012
8. Si-Chi Chin, Informatics (Information Science) 2012
9. Ray Hylock (Health Informatics) 2012
10. Wenjun Wang (Management Sciences)
11. Alessio Signorini (Computer Science)
12. Michael Rechenthin (Management Sciences)
13. Wei Wang (Geography)
14. Mohamed Magdy (Computer Science, Virginia Tech)
15. Jason Fries (Computer Science)
16. Mauricio Monsalve (Computer Science)

Distinct Courses Taught	Department
Special Topics: Health Data Analytics	Computer Science
Informatics Project (undergraduate)	Computer Science
Database Management Systems	Computer Science
Web Mining	Department of Management Sciences. (graduate)
Information & Knowledge Management	Department of Management Sciences. (graduate)
Advanced Database Systems	Department of Management Sciences. (graduate)
Digital Libraries	School of Library and Information Science. (graduate)
Digital Libraries Seminar	School of Library and Information Science. (graduate)
Computing Foundations	School of Library and Information Science. (graduate)
Conceptual Foundations	School of Library and Information Science. (graduate)
Information Needs of Special Populations	School of Library and Information Science. (graduate)
Text Retrieval and Text Mining Seminar	Interdisciplinary. (graduate)
Health Informatics I	Interdisciplinary. (graduate)
Health Informatics II	Interdisciplinary. (graduate)
Medical Informatics and Networking	Interdisciplinary. (graduate)
Informatics Tools for Healthcare Decision Support	Interdisciplinary. (graduate)
Artificial Intelligence and Business	Department of Management Sciences. (graduate).
Management Information Systems	Department of Management Sciences. (undergraduate)
Database Management Systems	Department of Management Sciences. (undergraduate)
Foundations of Library & Information Science	School of Library and Information Science. (graduate)
Introduction to Information Science	School of Library and Information Science. (graduate)
Electronic Publishing	School of Library and Information Science. (graduate)
Text Retrieval	School of LIS. Dept. of Mgmt Sciences. (graduate)
Systems Analysis and Database Design	School of Library and Information Science (graduate)
Database Management Systems	George Mason University. (graduate and undergraduate)
Introduction to PASCAL	George Mason University. (undergraduate)
Introduction to Data Structures and Algorithms	George Mason University. (undergraduate)
Information Retrieval	George Mason University. (graduate)
Computer Applications for Social Sciences	Syracuse University. (undergraduate)

RESEARCH

A: REFEREED JOURNAL PUBLICATIONS

1. Srinivasan, P., Zhang, X-N, Bouten, R., Chang, C. Ferret: A sentence-based literature scanning system. *BMC Bioinformatics* 2015, 16:198. **Highly Accessed**
2. Bhattacharya, S., Yang, C., Srinivasan, P., and Boynton, R. Perceptions of Presidential Candidates' Personalities in Twitter. *Journal of the American Society for Information Science*. To Appear in print. Published online April 2015.
3. Bhattacharya, S., Srinivasan, P., and Polgreen, P. Engagement of Health Agencies on Twitter. *PLoS One*. 2014 Nov 7;9(11):e112235. doi: 10.1371/journal.pone.0112235.
4. Rechenhain, M., Street, W. N. and Srinivasan, P., Stock chatter: using stock sentiment to predict price direction, *Algorithmic Finance* 2 (2013), no. 3-4, 169–196; MR3154275
5. Qiu, Xin Ying, Srinivasan, P. Supervised Learning Models to Predict Firm Performance with Annual Reports – an empirical study. *Journal of the American Society for Information Science* **65(2)**, 400-413, 2014. Published online Nov 2013.
6. Pant, G. and Srinivasan, P. Status locality on the Web: Implications for building focused collections. *Information Systems Research*. January 2013 isre.1120.0457.
7. Bhattacharya, S., HaThuc, V. and Srinivasan, P. MeSH: a window into full text for document summarization *Bioinformatics* **27 (13)**: i120-i128; doi:10.1093/bioinformatics/btr223, 2011.
8. Arighi, C.N., Roberts, P., Agarwal, S., Bhattacharya, S. Cesarini, G., Chatr-aryamontri, A., Clematide, S., Gaudet, P. Giglio M.G., Harrow, I., Huala, E. Krallinger, M., Leser, U., Li, D., Liu, F., Lu, Z., Maltais, L., Okazaki, N., Perfetto, L., Rinaldi, F., Stre, R., Salgado, D., Srinivasan, P., Thomas, P.E., Tolda, L., Hirschman, L., Wu, C.H. BioCreative III Interactive Task: an Overview. *BMC Bioinformatics*, special issue on BioCreative III. Accepted subject to revisions February 2011.
9. Lu, Z., Kao, H-K., Wei, C-H., Huang, M., Liu, J., Kuo, C-J., Hsu, C-N., Tsai, R.T-H., Dai, H-J., Okazaki, N., Cho, H-C., Gerner, M., Solt, I., Agarwal, S., Liu, F., Vishnyakova, D., Ruch, P., Clematide, S., Rinaldi, F., Bhattacharya, S., Srinivasan, P., Liu, H., Torii, M., Matos, S., Campos, D., Verspoor, K., Livingston, K.M., and Wilbur, W.J. The Gene Normalization Task in BioCreative III. *BMC Bioinformatics*, special issue on BioCreative III. Accepted subject to revisions February 2011.
10. Pant, G. and Srinivasan, P. Predicting Web Page Status. *Information Systems Research*, **21(2)**,345:364, June 2010.
11. Balakrishnan, R., Qiu, Xin Ying, Srinivasan, P. On the Predictive Ability of Narrative Disclosures in Annual Reports. *European Journal of Operational Research*, Online Publication August 5, 2009. DOI:10.1016/j.ejor.2009.06.023.
12. Qiu, Xin Ying and Srinivasan, P. GO for Gene Documents. *BMC Bioinformatics*, 2007, **8(Suppl 9):S3** doi:10.1186/1471-2105-8-S9-S3. 2007
13. Sehgal, A.K. and Srinivasan, P. Retrieval with Gene Queries. *BMC Bioinformatics* (Research Paper), **7**:220, 2006.
14. Pant, G. and Srinivasan, P. Link Contexts in Classifier-Guided Topical Crawlers. *IEEE Transactions on Knowledge and Data Engineering*. **18(1)**, 107-122, January 2006.
15. Pant, G. and Srinivasan, P. Learning to Crawl: Comparing Classification Schemes. *ACM Transactions on Information Systems*. **23(4)**,430-462, 2005.
16. Srinivasan, P, Menczer, F., and Pant, G. A General Evaluation Framework for Topical Crawlers. *Information Retrieval*. **8(3)**,417-447,January 2005, DOI: 10.1007/s10791-005-6993-5.

17. Srinivasan, P. and Libbus, B.. Mining MEDLINE for Implicit Links between Dietary Substances and Diseases. *Bioinformatics*. **20 Suppl 1**:I290-I296, August 2004.
18. Srinivasan, P. Text Mining: Generating Hypotheses from MEDLINE. *Journal of the American Society for Information Science and Technology*. **55(5)**, 396-413, March 2004.
19. Menczer, F., Pant, G., and Srinivasan, P. Topical Web Crawlers: Evaluating Adaptive Algorithms. *ACM Transactions on Internet Technology. Special Issue on Machine Learning for the Internet*. **4(4)**, 378-419, November 2004.
20. Eichmann, D. and P. Srinivasan. "Adaptive Filtering of Newswire Stories using Two Level Clustering." *Information Retrieval* **5(2/3)**, 209-238, April-July 2002.
21. Ruiz, M., and Srinivasan, P. "Hierarchical Text Categorization using Neural Networks." *Information Retrieval* **1(5)**, 87-118, 2002.
22. Srinivasan, P., Ruiz, M., Kraft, D.H., and Chen, J. "Vocabulary Mining for Information Retrieval: Rough Sets and Fuzzy Sets." *Information Processing and Management*, 37, 15-38, 2001.
23. Lam, W., Ruiz, M., and Srinivasan, P. "Automatic Text Categorization and its Application to Text Retrieval." *IEEE Transactions on Knowledge and Data Engineering* **11(6)**, 865-879 (Nov/Dec. 1999).
24. Srinivasan, P. Integrated Digital Libraries: Changing the Essence of Research, Analysis and Knowledge Management. *Journal of Knowledge Management* **2(2)**, 1998. Special issue. Ed. Rory L. Chase.
25. Srinivasan, P. Digital Library Projects in the United States. *DESIDOC (Defense Science Information and Documentation Centre) Bulletin of Information Technology*. Special issue on Digital Libraries. Ed. T. B. Rajashekar. September 1997.
26. Srinivasan, P. "Optimal Indexing Vocabulary for MEDLINE." *Information Processing and Management*. **32(5)**, 503-514, (1996)
27. Srinivasan, P. "Retrieval Feedback in MEDLINE." *Journal of the American Medical Informatics Association*. **3(2)**, 157-167, (1996)
28. Srinivasan, P. "Query Expansion and MEDLINE." *Information Processing and Management*. **32(4)**, 431-443, (1996)
29. Rama, D. V. and P. Srinivasan. "An Investigation of Content Representation using Text Grammars." *Association for Computing Machinery Transactions on Information Systems* **11(1)**, 51-75, (1993).
30. Srinivasan, P. "The Importance of Rough Approximations for Information Retrieval" *International Journal of Man-Machine Studies* **34**, 657-671, (1991)
31. Srinivasan, P. "A Comparison of Two-Poisson, Inverse Document Frequency and Discrimination Value Models of Document Representation." *Information Processing and Management* **26(2)**, 269-278, (1990)
32. Koll, M. and P. Srinivasan. "Fuzzy Versus Probabilistic Models for User Relevance Judgments." *Journal of the American Society for Information Science* **41(4)**, 264-271, (1990).
33. Srinivasan, P. "On Generalizing the Two-Poisson Model." *Journal of the American Society for Information Science* **41(1)**, 61-66, (1990)
34. Srinivasan, P. "Intelligent Information Retrieval using Rough Set Approximations." *Information Processing and Management* **25(4)**, 347-361, (1989)
35. Das-Gupta, P. "Boolean Interpretation of Conjunctions." *Journal of the American Society for Information Science* **38(4)**, 245-254, (1987)

36. Katzer, J., M. J. McGill, J. A. Tessier, W. Frakes, and P. Das-Gupta. "A Study of the Overlap among Document Representations." *Information Technology: Research and Development* **2**, 261-274, (1982).

B: REFEREED CONFERENCE and WORKSHOP PUBLICATIONS

1. Yang, C., Pan, S., Mahmud, J.U., Yang, H. and Srinivasan, P. Using Personal Traits For Brand Preference Prediction. EMNLP 2015, September 17-21, 2015, Lisbon, Portugal.
2. Liu, Y., Pant, G., and Srinivasan, P. Interactions in a Network of Ideas: A Study on Predicting Meme Popularity. Winter conference on Business Intelligence, Snowbird, Utah, March 2015.
3. Yang, C., Srinivasan, P. From Surveys to Surveillance on Social Media: Methodological Challenges & Solutions. WebSci '14 Proceedings of the 2014 ACM conference on Web science, Pages 4-12, 2014.
4. Harris, C., Srinivasan, P. Comparing Crowd-Based, Game-Based, and Machine-Based Approaches in Initial Query and Query Refinement Tasks. Proceedings of the 35th European Conference on Information Retrieval (ECIR 2013), pp. 495-506. Lecture Notes in Computer Science ISBN 978-3-642-36972-8.
5. Mejova, Y., Srinivasan, P. and Boynton, R. GOP Primary Season on Twitter: "Popular" Political Sentiment in Social Media. Proceedings of the 6th ACM International Conference on Web Search and Data Mining (WSDM2013) February 2013, Rome, Italy.
6. Bhattacharya, S., Tran, H., and Srinivasan, P. Discovering Health Beliefs in Twitter. AAAI-2012 Fall Symposium on Information Retrieval and Knowledge Discovery in Biomedical Text. Washington, DC, November 2012,.
7. Yang, C., Srinivasan, P, Polgreen, P.S. Automatic Adverse Drug Events Detection Using Letters to the Editor. AMIA 2012 Annual Symposium. Chicago, November 2012.
8. Harris, C., Srinivasan, P. Applying Human Computation Mechanisms to Information Retrieval. ASIST Annual Conference. Maryland, October 2012.
9. Bhattacharya, S. and Srinivasan, P. A Semantic Approach to involve Twitter in LBD Efforts. Proceedings of The First International Workshop on the role of Semantic Web in Literature-Based Discovery (SWLBD 2012), The IEEE International Conference on Bioinformatics and Biomedicine (BIBM 2012), November 2012
10. Bhattacharya, S., Tran, H., and Srinivasan, P., and Suhls, J. Belief Surveillance with Twitter WebSci 2012, Research Note, Illinois, June 2012.
11. Mejova, Y., and Srinivasan, P. Political Speech in Social Media Streams: YouTube Comments and Twitter Posts. WebSci 2012, Research Note, Illinois, June 2012.
12. Mejova, Y., and Srinivasan, P. Crossing Media Streams with Sentiment: Domain Adaptation in Blogs, Reviews and Twitter, Sixth International AAAI Conference on Weblogs and Social Media (ICWSM). Dublin, Ireland, June 2012
13. Harris, C. and Srinivasan, P. With a Little Help from the Crowd: Receiving Unauthorized Academic Assistance through Online Labor Markets. Privacy, Security, Risk and Trust (PASSAT), 2012 International Conference on and 2012 International Conference on Social Computing (SocialCom) pp. 904-909, September 2012.
14. Yang, C., Simmering, J., Srinivasan, P., Polgreen, L., and Polgreen, P. Early detection of adverse drug events using the full text of letters to the editor. Emerging Health Threats Journal 2011, 4: 11103 - DOI: 10.3134/ehjt.v4i0.11103 [extended abstract]
15. Bhattacharya, S., Tran, H., and Srinivasan, P. "Data-driven Methods for SMS-based FAQ Retrieval". Lecture Notes in Computer Science (LNCS), Submitted January 2012.

16. Eickhoff, C., Harris, C., de Vries, A.P., Srinivasan, P. Quality through Flow and Immersion: Gamifying Crowdsourced Relevance Assessments. ACM SIGIR, Portland, Oregon, August 2012.
17. Khoshneshin, M., Street, W.N., and Srinivasan, P. Bayesian embedding of co-occurrence data for query-based visualization. Tenth IEEE International Conference on Machine Learning and Applications (ICMLA 2011), Hawaii, December 2011.
18. Khoshneshin, M., A. Basir, M.A., Srinivasan, P., Street, W.N. and Hand, B. Analyzing the language evolution of a science classroom via a topic model. KDD-2011 Workshop on Knowledge Discovery in Educational Data, San Diego, CA, August 2011.
19. Reed, C., Elvers, T., and Srinivasan, P. Whats Trending? Mining Topical Trends in UGC Systems with YouTube as a Case Study. The Multimedia Data Mining (MDM) Workshop, KDD 2011 (MDM/KDD 2011), San Diego, CA, USA, August 2011.
20. Mejova, Y., and Srinivasan, P. Exploring feature definition, selection and generalization for sentiment classifiers. Fifth International AAAI Conference on Weblogs and Social Media (ICWSM). (Poster Paper) Barcelona, Spain, July 2011.
21. Bhattacharya, S., Ha-Thuc, V., and Srinivasan, P. MeSH: A Window into Full-Text for Document Summarization. Intelligent Systems for Molecular Biology (ISMB) 2011. Vienna, Austria, July 2011.
22. Tran, H., Hornbeck, T., Ha-Thuc, V., Cremer, J., Srinivasan, P. Spam Detection in Online Classified Advertisements. WebQuality '11 Proceedings of the 2011 Joint WICOW/AIRWeb Workshop on Web Quality (In conjunction with WWW 2011), Hyderabad, India. March 2011.
23. Harris, C., Arens, R., Srinivasan, P. Comparison of IPC and USPC Classification Systems in Patent Prior Art Searches. 3rd International CIKM Workshop on Patent Information Retrieval (PaIR'10), Oct 26, 2010, Toronto, Ontario, Canada.
24. Ha-Thuc, V., Mejova, Y., Harris, C., Srinivasan, P. News Event Modeling and Tracking in the Social Web with Ontological Guidance. Fourth IEEE International Conference on Semantic Computing (ICSC 2010), Carnegie Mellon University, Pittsburgh, PA, USA, September 22-24, 2010.
25. Chin, S-C., Street, W., Srinivasan, P., and Eichmann, D. Detecting Wikipedia Vandalism with Active Learning and Statistical Language Models. Proceedings of the 4th Workshop on Information Credibility on the Web (WICOW10), April 27, 2010, Raleigh, North Carolina, USA.
26. Harris, C., Foster, S., Arens, R. and Srinivasan, P. On the Role of Classification in Patent Invalidation Searches (Poster). 2nd Int'l Workshop on Patent Information Retrieval (PaIR'09), November 6, 2009.
27. Ha-Thuc, V., Srinivasan, P. A Latent Dirichlet Framework for Relevance Modeling, In Proceedings of the 5th Asia Information Retrieval Symposium (AIRS' 09, Hokkaido, Japan) - Lecture Notes in Computer Science, Springer. October 21-23, 2009.
28. Ha-Thuc, V., Mejova, Y., Harris, C. and Srinivasan P. A Relevance-based Topic Model for News Event Tracking (Poster). In Proceedings of the 32nd ACM International Conference on Information Retrieval (SIGIR' 09, Boston, Massachusetts, USA), pages 764-765. July 19-23, 2009.
29. Ha-Thuc, V., Mejova, Y., Harris, C. and Srinivasan P. Event Intensity Tracking in Weblog Collections, In Proceedings of the 3rd International AAAI Conference on Weblogs and Social Media Data Challenge Workshop (ICWSM-DCW' 09, San Jose, California, USA). May 17 - 20, 2009.
30. Ha-Thuc, V., Srinivasan, P. Topic Models and a Revisit of Text-Related Applications, In Proceedings of the 17th ACM Conference on Information and Knowledge Management PhD Workshop (CIKM-PIKM' 08, Napa Valley, California, USA), pages 25-32. 2008.
31. Ha-Thuc, V., Nguyen, D-C., Srinivasan, P. A Quality-Threshold Data Summarization Algorithm, In Proceedings of the 6th IEEE International Conference on Research, Innovation and Vision for the Future (RIVF' 08, Ho Chi Minh City, Vietnam), pages 240-246. July 14 - 16, 2008.

32. Pant, G. and Srinivasan, P. Utility-biased Web Crawler: Combining Status and Topicality. 18th Annual Workshop on Information Technology & Systems (WITS 2008). Paris, France, Dec 13-14, 2008.
33. Pant, G., Pant, S., and Srinivasan, P. Can You See Us Now? A Study on Web Site Visibility. 18th Annual Workshop on Information Technology & Systems (WITS 2008). Paris, France, Dec 13-14, 2008.
34. Lee, W-J, Raschid, L, Sayyadi, H, Srinivasan, P. Exploiting Ontology Structure and Patterns of Annotation to Mine Significant Associations between Pairs of CV Terms. Proceedings of the Workshop on Data Integration in the Life Sciences (DILS 2008). Evry, France, June 25-27, 2008.
35. Ha-Thuc, V., Srinivasan, P. A Robust Learning Approach for Text Classification. Text Mining Workshop. Eighth SIAM International Conference on Data Mining (SDM 2008). Atlanta, April 2008.
36. Srinivasan, P. Adaptive Classifiers, Topic Drifts and GO Annotations. Proceedings of the Conference of the American Medical Informatics Association. Chicago, Illinois, November 10-14, 2007. **(Distinguished Paper Award Finalist)**.
37. Ha-Thuc, V., Srinivasan, P. Exploiting synonym relationships in biomedical named entity matching. (short paper) BioLINK 2007 Workshop of ISMB July 2007.
38. Lee, W-J, Raschid, L, Srinivasan, P., Shah, N., Rubin, D., and Noy, N. Using Annotations from Controlled Vocabularies to Find Meaningful Associations. Proceedings of the Workshop on Data Integration in the Life Sciences (DILS 2007). Philadelphia, PA USA, June 27-29, 2007.
39. Sehgal, A.K. and Srinivasan, P. Profiling Topics on the Web. Workshop Proceedings. Workshop on I3: Identity, Identifiers, Identification. Entity-Centric Approaches to Information and Knowledge Management on the Web. In conjunction with the World Wide Web Conference (WWW 2007). May 2007.
40. Qiu, Xin Ying, Srinivasan, P. and Street, N. Exploring the Forecasting Potential of Company Annual Reports. Proceedings of the Conference of the American Society for Information Science and Technology, November 2006.
41. Qiu, Xin Ying and Srinivasan, P. GO for Gene Documents. ACM First International Workshop on Text Mining in Bioinformatics (TMBIO). In conjunction with ACM 15th Conference on Information and Knowledge Management (CIKM 2006). November 2006.
42. Raschid, L., Wu, Y., Vidal, M.E., Lee, W-J., Tsaparas, P., Srinivasan, P. and Sehgal, A. K. Ranking Target Objects of Navigational Queries. 8th ACM International Workshop on Web Information and Data Management (WIDM 2006). In conjunction with the 15th ACM Conference on Information and Knowledge Management (CIKM 2006). November, 2006.
43. Zhou, L. and Srinivasan, P. Concept Space Comparisons: Explorations with Five Health Domains. Proceedings of the American Medical Informatics Conference. October 2005.
44. Sehgal, A.K. and Srinivasan, P. Predicting Performance for Gene Queries. Proceedings of the SIGIR 2005 Workshop on Predicting Query Difficulty, August 2005.
45. Srinivasan, P. and Hristovski, D. Distilling Conceptual Connections from MeSH Co-Occurrences. Proceedings of MEDINFO 2004, pg 1543, Sept. 7-11, 2004, San Francisco, California.
46. Sehgal, A.K., Srinivasan, P., and Bodenreider, O. Gene Names and English Words: An Ambiguous Mix. Proceedings of the SIGIR 2004 Workshop on Search and Discovery in Bioinformatics, July 2004, Sheffield, UK.
47. Srinivasan, P. and Libbus, B.. Mining MEDLINE for Implicit Links between Dietary Substances and Diseases. Intelligent Systems for Molecular Biology (ISMB). August. 2004.

48. Srinivasan, P., Libbus, B. and Sehgal, A. K. Mining MEDLINE: Postulating a Beneficial Role for Curcumin Longa in Retinal Diseases. HLT Biolink 2004 (Linking Biological Literature, Ontologies and Databases: Tools for Users). May 2004.
49. Light, M., Qiu, X. Y., and Srinivasan, P. The Language of Bioscience: Facts, Speculations, and Statements in between. HLT Biolink 2004 (Linking Biological Literature, Ontologies and Databases: Tools for Users) May 2004.
50. McKnight, L. and P. Srinivasan. Categorization of Sentence Types in Medical Abstracts. Proceedings of the *Annual Conference (2003) of the American Medical Informatics Association (AMIA)* November 2003.
51. Ruiz, M and P. Srinivasan. Hybrid Hierarchical Classifiers for Categorization of Medical Documents. Proceedings of the *American Society for Information Science and Technology*. October 2003.
52. Sehgal, A., Qiu, X. Y., and Srinivasan, P. "Mining MEDLINE Metadata to Explore Genes and their Connections." Proceedings of the *SIGIR 2003 Workshop on Text Analysis and Search for Bioinformatics*. July 2003.
53. Srinivasan, P., Menczer, F. and Gautam, P. Defining Evaluation Methodologies for Topical Crawlers (Position paper). Proceedings of the *SIGIR 2003 Workshop on Defining Evaluation Methodologies for Terabyte-Scale Collections*. July 2003.
54. Srinivasan, P and Wedemeyer, M. "Mining Concept Profiles with the Vector Model or Where on Earth are Diseases being Studied?" Proceedings of *Text Mining Workshop. Third SIAM International Conference on Data Mining*. San Francisco, May 2003.
55. Srinivasan, P., and Reindfleisch, T. "Exploring Text Mining from MEDLINE." Proceedings of the *Annual Conference (2002) of the American Medical Informatics Association (AMIA)* November 2002. **Nominated for best paper award.**
56. Srinivasan, P. Mitchell, J., Bodenreider, O., Pant, G., and Menczer, F. "Web Crawling Agents for Retrieving Biomedical Information." Proceedings of the *2002 NETTAB. Agents in Bioinformatics Workshop*. Bologna, Italy, July 2002.
57. Pant, G., Srinivasan, P. and Menczer, F. "Exploration versus Exploitation in Topic Driven Crawlers." Proceedings of the *2002 WWW Conference: Second International Workshop on Web Dynamics* 2002.
58. Menczer, F., Pant, G., Srinivasan, P. and Ruiz, M.E. "Evaluating Topic-Driven Web Crawlers." Proceedings of the *2001 Annual Conference of the Association of Computing Machinery, Special Interest Group in Information Retrieval* 241-249. New Orleans, September 2001.
59. Srinivasan, P. MeSHmap: "A Text Mining Tool for MEDLINE." (Ed): S. Barkken. *Proceedings of the Annual Conference (2001) of the American Medical Informatics Association (AMIA)*. 642-646. March 2001.
60. Delaney, C., Ruiz, M., Clarke, M., Srinivasan, P. "Knowledge Discovery in Databases: Data Mining the NMDS." In V. Saba, R. Carr, W. Sermeus, & P. Rocha (eds.). *One Step Beyond: The Evolution of Technology & Nursing*, Proceedings of the 7th International Congress on Nursing Informatics, 61-65, 2000.
61. Srinivasan, P. "Exploring the UMLS: A Rough Sets Based Theoretical Framework". Proceedings of the 1999 Conference of the American Medical Informatics Association (AMIA). October 1999.
62. Ruiz, M. & Srinivasan, P. "Hierarchical Neural Networks for Text Categorization". Poster. Proceedings of the *1999 Annual Conference of the Association of Computing Machinery, Special Interest Group in Information Retrieval*, 281-282. Berkeley, California, August 1999.

63. Ruiz, M. & Srinivasan, P. "Combining Machine Learning and Hierarchical Structures for Text Categorization". Proceedings of the *10th ASIS SIG/CR Classification Research Workshop*. Washington, D.C., October 1999.
64. Srinivasan, P. and Kraft, D.H., "Data Mining via Rough Sets and Fuzzy Sets of a Controlled Vocabulary for Information Retrieval", Proceedings of the Joint EUROFUSE-SIC International Conference, Budapest, Hungary, May 25-28, 1999.
65. Ruiz, M. & Srinivasan, P. "Cross-Language Information Retrieval: An Analysis of Errors." Proceedings of the *61st Annual Conference of the American Society for Information Science* 153-165. Pittsburgh, PA. October 24-29, 1998.
66. Eichmann, D. E., Ruiz, M. & Srinivasan, P. "Cross-Language Information Retrieval." Proceedings of the *1998 Annual Conference of the Association of Computing Machinery, Special Interest Group in Information Retrieval*, 72-80. Melbourne, Australia, August 23-30, 1998.
67. Ruiz, M., & Srinivasan, P. "Automatic Text Categorization using Neural Networks." Proceedings of the *8th ASIS SIG/CR Classification Research Workshop, Washington DC, 1997*. Published in Efthimis Efthimiadis Ed. *Advances in Classification Research* vol 8, 59-72, November 1997.
68. Guillen, R., Ruiz, M., & Srinivasan, P. "Experiments in CLIR using UMLS." Cross-Language Information Retrieval Workshop, ACM SIGIR. August 1997.
69. Srinivasan, P. "Query Design in MEDLINE. A Comparison with Expert Network and LLSF Approaches." 1996 Annual American Medical Informatics Conference. Washington, D.C., March 1996. **Nominated for best paper award.**
70. Srinivasan, P., M. E. Ruiz, and W. Lam. "An Investigation of Indexing on the WWW." Proceedings of the 59th Annual Conference of the American Society for Information Science, 79-83. Maryland, February 1996.
71. Hankom, L. and P. Srinivasan. "Quality Retrieval of the Empirical Literature: A Structured Approach." Proceedings of the *Symposium on Computer Applications in Medical Care (SCAMC)*, 581-585, Oct. 1993.
72. Chisnell, C., Rama, D. V., & Srinivasan, P. "Structured Representations of Empirical Information." *AAAI Symposium on Case-Based Reasoning and Information Retrieval*, March 1993.
73. Srinivasan, P. "Knowledge Organization for Information Retrieval." Proceedings of the *Second International Symposium on Knowledge Organization (ISKO): Cognitive Paradigms in Knowledge Organization*. Madras, India, August 1992
74. Rama D. V., and P. Srinivasan. "An Investigation of a Conceptual Map of a Text Database for Retrieval." Proceedings of the *Symposium on Document Analysis and Information Retrieval*, Las Vegas, March 1992.
75. Delaney, C., Rama, D. V., and P. Srinivasan. "Design of a Temporal Database for Phlebitis." Proceedings of the *Association for Computing Machinery Symposium on Applied Computing (SAC '92)*, Kansas City, March 1992.
76. Dontas, K., J. Sarma, P. Srinivasan, and H. Wechsler. "Fault Tolerant Random Mapping Using Back Propagation." Proceedings of the *International Joint Conference of Neural Networks*, Ed. Maureen Caudill. Washington, DC. Vol II, 507-510, 1990.
77. Dontas, K., J. Sarma, P. Srinivasan, and H. Wechsler. "Fault Tolerant Hashing and Information Retrieval using Back Propagation." Proceedings of the *23rd Hawaii International Conference on System Sciences*. Ed. R. H. Sprague, Kailua-Kona, Hawaii. Vol IV, 345-352, 1990.

78. Srinivasan, P. "Approximations for Information Retrieval." Proceedings of the *Fourth International Symposium on Methodologies for Intelligent Systems*. Ed. Zbigniew W. Ras. Charlotte, North Carolina. 128-136, 1989.
79. Srinivasan, P. "A Methodology for Self Monitoring in Information Retrieval." *INFORMATICS 10: Prospects for Intelligent Retrieval*. Proceedings of a conference jointly sponsored by Aslib, the Aslib Informatics Group and the Information Retrieval Specialist Group of the British Computer Society. Ed. Kevin P. Jones. University of York. 227-241, 1989.
80. Das-Gupta, P. "Rough Sets and Information Retrieval." Proceedings of the *11th International Conference of the Association for Computing Machinery Special Interest Group on Information Retrieval (ACM SIGIR)*. Ed. Yves Chiaramella. Grenoble, France. 567-582, 1988.
81. Das-Gupta, P., and J. Katzer. "A Study of the Overlap among Document Representations." Proceedings of the *6th International Conference of the Association for Computing Machinery Special Interest Group on Information Retrieval (ACM SIGIR)*. Ed. Jennifer J. Kuehn. Bethesda, Maryland. 106-114, 1983.
82. Frakes, W. B., J. Katzer, M. McGill, J. Tessier, and P. Das-Gupta. "A Study of the Impact of Representations in Information Retrieval Systems." Proceedings of the *44th Annual Meeting of the American Society for Information Science (ASIS)*. Ed. L. F. Lunin, M. Henderson and H. Woster. Washington, DC. 301-303, 1981.

C: BOOK CHAPTERS

1. Harris, C., and Srinivasan, P. Crowd Sourcing and Ethics. In: Yaniv Altshuler and Yuval Elovici (eds) *Security and Privacy in Social Networks*. Springer Science+Business Media New York, pp 67-83, 2013.
2. Harris, C. G., Arens, R., and Srinivasan, P. 2011. Using Classification Code Hierarchies for Patent Prior Art Searches. In: Lupu, M.; Mayer, K.; Tait, J.; Trippe, A.J. (Eds.) *Current Challenges in Patent Information Retrieval*. The Information Retrieval Series, Vol. 29, 2011, pp 287-304. Springer-Verlag Berlin Heidelberg 2011, 402 p., ISBN: 978-3-642-19230-2.
3. Sehgal, A. K., Qiu, X. Y., Srinivasan, P. Analyzing LBD Methods using a General Framework. Bruza, P. and Weeber, Marc (eds) *Literature-Based Discovery*. Springer's series on "Information Science and Knowledge Management", Vol. 15, 75-100, 2008.
4. Srinivasan, P. *Text Mining in Biomedicine: Challenges and Opportunities*. Professor A. Neelameghan Festschrift Volume. Tata McGraw Hill. 2004.
5. Pant, G., Srinivasan, P. and Menczer, F. "Crawling the Web." In Levine, M. Poulouvassilis, A. (eds). *Web Dynamics, Adapting to Change in Content, Size, Topology and Use*. Springer-Verlag. 2004.
6. Eichmann, D. and Srinivasan, P. "A Cluster-Based Approach to Broadcast News." In Allen, J. (ed). *Topic Detection and Tracking. Event-based Information Organization*. Kluwer, (2002).
7. Srinivasan, P., Kraft, D.H. "Rough and Fuzzy Sets for Data Mining of a Controlled Vocabulary for Textual Retrieval." In Crestani, F. Passi, G. (eds). *Techniques and Applications of Soft Computing in Information Retrieval*. "Studies in Fuzziness and Soft Computing Series", Physica Verlag (Springer Verlag), 2000.
8. Srinivasan, P. "Thesaurus Construction." In *INFORMATION RETRIEVAL: Data Structures and Algorithms*. Edited by William Frakes and Ricardo Baeza-Yates. Prentice-Hall, (1992).

D: OTHER PUBLICATIONS

1. Harris, Christopher and Srinivasan, P. Using Hybrid Methods for Relevance Assessment in TREC Crowd '12. Proceedings of the 21st Text Retrieval Conference (TREC 12, Gaithersburg, Maryland, USA).

2. Sanmitra Bhattacharya, Christopher G. Harris, Yelena Mejova, Chao Yang, Padmini Srinivasan. The University of Iowa at TREC 2011: Microblogs, Medical Records and Crowdsourcing. The twentieth Text Retrieval Conference (TREC) 2011.
3. Mejova, Y., Ha-Thuc, V., Foster, S. Harris, C. Arens, R., Srinivasan, P. TREC Blog and TREC Chem: A View from the Corn Fields. In Proceedings of the 18th Text Retrieval Conference (TREC' 09, Gaithersburg, Maryland, USA). November 2009.
4. Almqvist, B. Mejova, Y., Ha-Thuc, V. and Srinivasan, P. University of Iowa at TREC 2008 Legal and Relevance Feedback Tracks, In Proceedings of the 17th Text Retrieval Conference (TREC' 08, Gaithersburg, Maryland, USA).
5. Galvez, E., Price, J. and Srinivasan, P. Building living documents with XML in support of audience customization. Extended Abstract. DOCAM 2008. Organized by The Document Academy. University of Wisconsin-Madison.
6. Srinivasan, P. Text Mining of Biological Resources. Encyclopedia Entry. Encyclopedia of Database Systems (Editors Ling Liu and M. Tamer Ozs), Data Management for the Life Sciences section. 2007.
7. Almqvist, B., Ha-Thuc, V., Sehgal, A.K., Arens, R. and Srinivasan, P. Exploring the Legal Discovery and Enterprise Tracks at the University of Iowa. TREC 2007 Notebook Paper.
8. Ha-Thuc, V. and Srinivasan, P. Sehgal, A.K., Arens, R. and Srinivasan, P. TREC 2007 Enterprise Track. Poster. TREC 2007.
9. Qiu, Xin Ying and Srinivasan, P. Identifying Drug Effects with MEDLINE - Preliminary Observations with VIOXX as a Test Case. Poster. Proceedings of Biolink 05 ((Linking Biological Literature, Ontologies and Databases: Tools for Users). March 2005.
10. Catona, E., Srinivasan, P., and W. Street. Protein Annotation with GO Codes. Poster. Proceedings of MEDINFO 2004, pg 1543, Sept. 7-11, 2004, San Francisco, California.
11. Srinivasan, P and Sehgal, A.K. Mining MEDLINE for Similar Genes and Similar Drugs'. Technical Report, Department of Computer Science, The University of Iowa, July 2003, TR# 03-02.
12. D. Eichmann, Srinivasan, P, Light, M Wang, M, Qiu, X.Y, Arens, R.J. and Sehgal, A. Experiments in Novelty, Genes and Questions at the University of Iowa. Twelfth Conference on Text Retrieval, NIST, Washington, D.C., November 2003.
13. Srinivasan, P. Text Metadata Mining: Exploring its Potential (Position paper). *Indo-US Workshop on Open Digital Libraries and Interoperability*. June 2003.
14. D. Eichmann and Srinivasan, P. Novel Results and Some Answers The University of Iowa TREC 11 Results. November 2002.
15. Catona, E., Eichmann, D. and Srinivasan, P. "Filters and Answers: The University of Iowa TREC-9 Results." Ninth Conference on Text Retrieval, NIST, Washington, D.C., November 13-16, 2000.
16. Eichmann, D. and Srinivasan, P. "Filters, Webs and Answers: The University of Iowa TREC-8 Results." Eighth Conference on Text Retrieval, NIST, Washington, D.C., November 16-19, 1999.
17. Eichmann, D. E., Ruiz, M. & Srinivasan, P., Street, N., Culy, C., and Menczer, P. "A Cluster-Based Approach to Tracking, Detection and Segmentation of Broadcast News". Proceedings of Topic Detection and Tracking Workshop (TDT'98), February 1999.
18. Eichmann, D. E., Ruiz, M. & Srinivasan, P. "Cluster-Based Adaptive and Batch Filtering". Proceedings of the Seventh Text REtrieval Conference (TREC-7), 1998.
19. Srinivasan, P. "Retrieval Feedback in MEDLINE." *1996 Yearbook of the American Medical Informatics Association*. (1996).

20. Srinivasan, P. "Exploring Query Expansion Strategies for MEDLINE." Technical Report. Cornell University, Computer Science: TR95-1528, July 1995.
21. Srinivasan, P. "Review of Evaluating Usability of Human-Computer Interfaces: A Practical Method by S. J. Ravden and G. I. Johnson." *Information Technology and Libraries*, Submitted in March 1991.
22. Srinivasan, P. "Harvesting the Internet." Workshop Materials. March 1994.
23. Srinivasan P. and C. Delaney. "Expert Systems in Nursing." Workshop Materials. October 1993.
24. Srinivasan, P. "Database Design and Implementation." Workshop Materials. March 1993.
25. Das-Gupta, P. "An Investigation of the Two-Poisson Model of Automatic Indexing." Ph.D Dissertation. Syracuse University. Syracuse, NY, 1985.
26. Das-Gupta, A., and P. Das-Gupta. "Estimating the Parameters of Mixtures of Poisson Distributions by the Method of Moments." Technical Report. Central Michigan University. Mount Pleasant, MI, 1984.
27. Katzer, J., R. N. Oddy, and P. Das-Gupta. "Free Index Phrases." National Science Foundation report number NSF-IST-82/11348. Syracuse University. Syracuse, NY, 1985.
28. Katzer, J., M. J. McGill, J. A. Tessier, W. Frakes, and P. Das-Gupta. "A Study of the Impact of Document Representations in Information Retrieval." National Science Foundation report number NSF-IST-79-21468. Syracuse University. Syracuse, NY, 1982.

E: GRANTS and CONTRACTS

1. Co-PI: BIGDATA: F: New Algorithms of Online Machine Learning for Big Data. NSF. PI: Tianbao Yang. September 1, 2015 - August 31, 2018. \$712,401.
2. Co-PI: Contents and Contexts of Cyberbullying. NIJ (National Institute of Justice), Dec. 2013-November 2015, \$458,246. P.I. Marizen Ramirez and Anthony Paik, Co-PI: Octav Chipara and Shelley Campo.
3. PI: Collaborative: ABI Development: Methodology for Pattern Creation, Imprint Validation and Discovery from the Annotated Biological Web. September 2012 - August 2015. NSF Award #1146256. \$344,916.
4. PI. (Collaboration with Professors O'Conner, Kanthasamy and Jergens (ISU). Increasing the pace of translation by identifying effective animal models. ISU funds \$10,000 received Fall, 2011.
5. Co-PI. University of Iowa Clinical and Translational Science Program. PI: Rosenthal. Submitted to: NIH / NCCR. Summer 2011.
6. PI. (Collaboration with Professor Raschid, University of Maryland). NSF. III EAGER Collaborative Research: Exploratory Research on the Annotated Biological Web, September 15, 2009 - August 31, 2011. \$89,987 (U. Iowa).
7. Co-I. Quantitative Redox Biology. (Responsible for the text mining component). NIH. March 2008 - Jan 2012. \$1,543,924. P.I. Garry Buettner.
8. P.I. Recruiting and Educating the 21st Century Digital Librarian. Institute of Museum and Library Studies. Laura Bush 21st Century Librarian Program. December 2006 - December 2009. (Extended to December 2010). \$918,589. Co-PIs: James Elmborg and Paul Soderdahl.
9. P.I. REU: Research Experience for Undergraduates. Text Metadata Mining: Extending the Frontiers of Text-Based Applications in Biomedicine. National Science Foundation. May 2004 - April 2005 (\$6,000)

10. P.I. Text Metadata Mining: Extending the Frontiers of Text-Based Applications in Biomedicine. National Science Foundation. August 2003 - July 2007. (\$312,292)
11. P.I. "The UMLS for Text Retrieval - a Rough Set Approach." National Institutes of Health, May, 2000 - April 2003. (\$178,000)
12. P.I. "An Intelligent and Adaptive Web Agent for Environmental Scanning." Rockwell. 1997 - 1999 (\$60,000).
13. CO-I. Biomedical-engineering Interdisciplinary Informatics Research Funding Agency." Hewlett-Packard University Grants Program, 1998 (\$44,935). PI: E. Hoffman, CO-I: C. Delaney.
14. CO-PI. "Interdisciplinary Health Informatics Courses within the Health Sciences Funding Agency: Synergy Grant." Health Sciences Center, The University of Iowa. 1996-97 (\$8,266). CO-PI: M. Kienzle, C. Delaney.
15. P.I. Central Investment Fund for Research Enhancement: "Investigation of Retrieval Feedback based Applications for MEDLINE." January 1996 (\$10,000).
16. P.I. Old Gold Summer Fellowship: "The Structure of Empirical Abstracts." The University of Iowa, 1991 (\$3,500).
17. P.I. Online Computer Library Center Research Grant: "Interface Design for Subject Searching on an Online Catalogue." 1990-1991 (\$10,000).
18. P.I. Old Gold Summer Fellowship: "The Design of a Concept Space for Information Retrieval." The University of Iowa, 1990 (\$3,500).
19. P.I. National Institute of Health Seed Grant: "On the Design of a Knowledge Space for the Disease Diabetes Mellitus." 1990-1991 (\$3,500)
20. P.I. George Mason University, Proposal for Graduate Research Assistant, 1989-1990
21. P.I. Center for Innovative Technology (Virginia) and Space Applications Corporation (Virginia). "Machine-Readable Dictionaries and Information Retrieval. " 1987-1988 (\$36,000)

F: INVITED PRESENTATIONS

- "Text Mining: Challenges and Opportunities." Drake University. October 2015.
- "From Retrieval to Discovery in the Biosciences." University of Delaware. May 2015.
- "U. Iowa Chemistry Track." TREC: Text Retrieval Experiment Conference. Presentation made by my student Christopher Harris. November 2009.
- "Web Page Status." College of Library and Information Studies. University of Maryland. March 2008.
- "The Legal Discovery Track at Iowa." TREC 2007 Legal Track presentation. (Presentation given by my student Brian Almquist). November 2007.
- "LSLinks & Topic Drifts in Vocabularies." Panel on 'Semantic Interoperability'. NSF Biomedical Informatics Workshop. December 2007.
- "Looking for interesting haystacks and also the needles." David Eccles School of Business. The University of Utah. April 6 2006.
- "GO for Gene Documents." Department of Computer Science. The University of Iowa. December 2006.
- "Discovering Hidden Knowledge from the Web." Cafe Scientifique. Iowa City, Iowa. December 2006.

- “Digital Libraries for Development.” Department of Library Science. Madras University. March 2006.
- “Exploring Digital Libraries.” SLA, Des Moines Chapter. October 2005.
- “Text Mining with Manjal.” Demonstration. IDM/PI NSF Workshop. MIT, Boston. October 2004.
- “Text Mining: Challenges and Opportunities.” School of Library and Information Science. The University of Iowa. November 2004.
- “Text Mining: Challenges and Opportunities.” Health Informatics Conference. The University of Iowa. October 2004.
- “Text Mining: A Snapshot of Research Problems.” Department of Computer Science. The University of Iowa. October 2004.
- “Current Challenges in Text Mining.” Department of Computer and Information Science, Indiana University Purdue University. April 2004.
- “Text Mining from MEDLINE.” Department of Computer Science, George Mason University. November 2003.
- “Text Mining from MEDLINE.” National Science Foundation Next Generation Data Mining Workshop, Chairs: Hillol Kargupta and Anupam Joshi, November 2002.
- “Text Mining with MeSHmap.” UMIACS Computational Linguistics Colloquium Series. University of Maryland. October 2002.
- “Current Challenges in Information Science.” Indian Agricultural Research Institute. New Delhi, India, July 2001.
- “Overview of the UMLS”. International Teleconference for course 96:263. The University of Iowa, February 2000.
- “Data Mining from Vocabulary Systems”. Ovid. New York, NY. October 1999.
- “Fuzzy-Rough Sets for Information Retrieval.” Computer Science Department. Louisiana State University, April 1998.
- “Building Digital Libraries with SGML”. Digital Library Symposium, The University of Iowa Libraries, December 1997.
- “Cross Language Information Retrieval.” Ovid. New York, NY. October 1997.
- “Text Categorization in MEDLINE.” Indian Institute of Science. Bangalore, India July 1997.
- “Text Retrieval on the WWW.” Documentation Research and Training Centre. Bangalore, India July 1997.
- “Automatic Text Categorization Applied to Text Retrieval.” National Library of Medicine. Bethesda, MD June 1997.
- “Structured Text Retrieval.” Computer Science Department. Cornell University, Ithaca, NY March 1995.
- “Query Expansion for MEDLINE databases.” School of Information Studies. Syracuse University, Syracuse, NY April 1995.
- “Retrieval using Structured Abstracts.” Ovid. New York, NY. April 1995.
- “Linguistics in Information Retrieval.” Linguistics Colloquium. University of Iowa. April 22, 1994.

- “Knowledge Organization for Information Retrieval.” Second International Symposium on Knowledge Organization (ISKO): Cognitive Paradigms in Knowledge Organization. Madras, India. August 1992.
- “Experts Systems for Nursing.” College of Nursing, University of Iowa. April 1991.
- “Research on Knowledge-Based Applications for Nursing.” College of Nursing, University of Iowa. October 1991.
- “Extracting Knowledge Structures from Machine-Readable Dictionaries.” Space Applications Corporation, Virginia. May 1989.
- “On Generalizing the Two-Poisson Model for Automatic Indexing.” American Society for Information Science: Doctoral Forum (ASIS). Las Vegas, Nevada. October 1985.
- “Application of Rough Sets to Information Retrieval.” Business School and the Computer Science Department. University of Maryland. March 1988.
- “Self Monitoring for Concept Spaces.” Association for Computing Machinery, Washington DC. Chapter. February 1989.

SERVICE

Computer Science (CS)

- Director of Graduate Studies. 2009- (except for Spring 2010 while on Faculty Development Leave).
- Member. Recruiting Committee. 2009.

Management Sciences

- Member, Diversity Committee. Tippie College of Business, 2006.
- Recruiting Committee, Chair. Management Sciences. 2000.
- Recruiting Committee. Management Sciences. 1997-1999, 2010
- Curriculum Committee. Management Sciences. 1996-1998.
- Academic Computing Committee. Department of Management Sciences. University of Iowa. Member: 1992-1993

School of Library & Information Science (SLIS)

- Coordinator. Colloquium Series. 2005 - 2006
- Member. Admissions Committee. 2004 - 2008
- Director. School of Library & Information Science. University of Iowa. 1996-2000
- Webmaster. SLIS home page. 1994-1995.
- Member. Curriculum Committee. Chair: 1993- 1995
- Equipment Committee. University of Iowa. Member: 1993-; Chair: 1995-1996

College of Liberal Arts & Sciences

- Recruiting Committee. African American World Studies Program. 1997-1998.
- UI Review Committee. African American World Studies Program, UI., 1996-1997.

University

- Chemistry and Biomedical Engineering Search Committee Member (Informatics Cluster line), 2014-2015.
- Informatics Cluster Hire Steering Committee. 2013-
- IGPI (Interdisciplinary Graduate Program in Informatics) Health Informatics Track - Advisory Council Member, 2012 -
- IGPI (Interdisciplinary Graduate Program in Informatics) Advisory Council Member. Representative for and coordinator of the Information Science subtrack. 2005 - 2010.
- Co-Coordinator. Health Informatics Initiative. 1995 - 2008
- WISE: Women in Science and Engineering. Board member, 2004-2007
- Ethics Committee. Member. 2004
- Search Committee. Interdisciplinary Health Informatics position. Spring 2004.
- University of Iowa, Informatics Initiative Committee. 2001-2002, 2004 -
- Health Informatics Core/Steering Committee. 1997- 2004.
- Recruiting Committee. University Librarian. 1999-2000.
- Recruiting Committee. Industrial Engineering. 1996-1997.
- UI Electronics Literacy Project Committee. 1995-1996.
- Computer Based Education Committee. University of Iowa. Member: 1992-1995.
- Foreign Civilizations and Culture Committee. University of Iowa. Member: 1993-; Chair: 1995-1996.
- Task Force on the Networked Electronic Information Environment. University of Iowa. Member: May 1994-1996.
- Faculty Assembly. College of Liberal Arts. University of Iowa. Member: 1993-1994
- International Advisory Committee. University of Iowa. Member: 1991-1992.

Profession

- Current:
 - Reviewer. 1999-present. Annual Conference of the Association of Computing Machinery, Special Interest Group in Information Retrieval.
 - Member, Program Committee, ISMB - Text Mining. 2011, 2012.
 - Senior Program Committee Member, ICWSM 2013.
- Previous Years:
 - Member, Program Committee, BioLINK Workshop 2006, 2007, 2008, 2010 (in conjunction with ISMB).
 - Task Force Member. JASIST Editor Search Committee. 2007-2013.
 - Member, Steering Committee. TREC Genomics Track. 2003-present. Assisted in writing an NSF ITR proposal for the track which is now funded 2003-2008 PI: Bill Hersh, OHSU. Also a consultant on the proposal.
 - Member, Program Committee, EMNLP-CoNLL 2007 (Conference on Empirical Methods in Natural Language Processing - Conference on Computational Natural Language Learning)

- Presentation. Digital Libraries. Annual Meeting of the Special Library Association. Iowa Chapter. May 5, 2006. Des Moines.
- Member, Program Committee, TMBIO 2006.
- Member, Planning Committee 2004. Program Committee 2006. Annual meeting of the American Society for Information Science and Technology.
- Member, Program Committee. (AIRS) Asia Information Retrieval Symposium. Beijing, China. October 2004 - 2005.
- Member, Program Committee and Publicity Chair. 12th International Conference on Information and Knowledge Management (CIKM 2003), New Orleans, LA.
- Member, Program Committee. NLPBA: Natural Language Processing in Biomedical Applications. Affiliated with COLING (International Conference on Computational Linguistics). Geneva, Switzerland, 2004.
- Member, Program Committee. BioLINK workshop: Linking Biological Literature, Ontologies and Databases: Tools for Users. North American Association for Computational Linguistics and Human Language Technology Meeting. Boston, May 2004.
- Invited Panel Member: Mining the Literature to Promote Biomedical Discoveries. organized by Wanda Pratt. MEDINFO 2004.
- Invited Panel Member. Literature-based Discovery New Trends and Techniques. organized by Neil R. Smalheiser and Carole L. Palmer. Annual Conference of the American Society for Information Science and Technology. 2003.
- Invited Member, Advisory Board. Proposal to NSF ITR submitted by Professor Carol Friedman, Columbia University. 2004
- Co-Organizer. 2004 SIGIR Workshop on Search and Discovery in Bioinformatics, July 29, 2004. Co-Organizer: Javed Mostafa.
- Co-Chair for Demonstrations. 2001 Annual Conference of the Association of Computing Machinery, Special Interest Group in Information Retrieval. New Orleans, LA.
- Co-Chair. SIGCR Classification Workshop. Annual Conference of the American Society for Information Science and Technology. October 2000, Chicago.
- Member, Program Committee. Ninth International Conference on Information and Knowledge Management (CIKM 2000), Nov. 6-11,2000, Washington,DC.
- Member, Program Committee. 2001 Annual Conference of the Association of Computing Machinery, Special Interest Group in Information Retrieval. New Orleans.
- Chair, American Society for Information Science, Special Interest Group in Classification Research (ASIS SIG/CR). 1999-2000 (Chair-elect: 1998-1999).
- Invited Reviewer. DESIRE II - Development of a European Service for Information on Research and Education II, Workpackage 3, Deliverable D3.6 on Automatic classification European Union, 4. Framework Telematics for Research Program, Project Number: RE 4004 (RE), February 2000.
- Member, Program Committee. COMPUTERM'98. First Workshop on Computational Terminology. ACL/COLING 98. University of Montreal, Montreal (Quebec, Canada) 1997-1998.
- Panel Chair. Cross-Language Applications and Large Scale Vocabularies. Annual Conference of the American Society for Information Science (ASIS '98), Pittsburgh. October 1998.
- Evaluation Committee. Pratt Severan Best Student Research Paper Award. American Society for Information Science. 1997-.
- Standards Committee. American Society for Information Science. 1997-.
- Accreditation Committee. Accreditation review of the Graduate School of Library and Information Studies at Queens College, City University of New York. American Library Association. 1997-1998.

- Faculty Advisor. UI ASIS Student Chapter. 1995-
- Consultant. Ovid. New York NY. 1997.
- Consultant. National Computer Systems. Analysis of AIDS Clearinghouse. 1996.
- Consultant. Project title “DARE: A Domain Analysis and Reuse Environment”. Principal Investigator: Dr. Ruben Prieto Diaz, Reuse, Inc. Virginia. 1993-1995.
- Program Committee Member, Association for Computing Machinery sponsored conference for the Special Interest Group in Information Retrieval, 1993.
- Presented a 3 hour workshop titled “Expert Systems in Nursing”. October 1993. Seventeenth Annual Symposium on computer Applications in Medical Care (SCAMC). (With Connie Delaney).
- Coordinated the efforts of 10 researchers on the collaborative development of a FAQ (Frequently Asked Questions) file pertaining to Artificial Intelligence in Medicine (AIM). Available through the AIM gopher at Stanford University. 1993
- Referee: BMC Bioinformatics
- Referee: Bioinformatics (Oxford)
- Referee: Journal of the American Society for Information Science
- Referee: Information Processing and Management
- Referee: International Journal of Man-Machine Studies
- Referee: ACM SIGIR Forum
- Referee: ACM Reviews
- Referee: IEEE Transactions on Systems, Man and Cybernetics
- Referee: Communications of Association for Computing Machinery
- Referee: National Science Foundation Grant Proposals

Community

- Presented a 1 day workshop titled “Harvesting the Internet”. Sponsored by the School of Library and Information Science, University of Iowa. March 21 and March 22, 1994.
- Presented a 1 day workshop titled “Database Design and Implementation”. Sponsored by the School of Library and Information Science, University of Iowa. March 1993.