# CURRICULUM VITAE

# ANKUR M. TEREDESAI, Ph.D.

## EDUCATION

**Doctorate of Philosophy (Ph.D.)**
*University at Buffalo, State University of New York*
**Bachelor of Engineering (B.E.)**
*M.S. University of Baroda, India*

## EMPLOYMENT HISTORY

| | | | |
|---|---|---|---|
| University of Washington Tacoma | Associate Professor | Institute of Technology, Tacoma | 9/07 -- |
| University of Washington Tacoma | Director | Center for Web and Data Science | 9/12 -- |
| University of Washington | Visiting Professor | Institute of Technology, Tacoma | 9/06 – 6/07 |
| Rochester Institute of Technology (RIT) | Assistant Professor | Computer Science | 9/02 - 8/06 |
| | Director | Lab for Discovery Informatics, Center for Advancement of Cyber-Security Infrastructure | & 12/03 - 8/06 |
| Microsoft Research | Visiting Researcher | Data Management, Exploration and Mining (DMX) | 6/04 - 7/04 |
| University at Buffalo (SUNY) | Research Associate | CEDAR(Royal Mail and USPS groups) | 9/01 – 8/02 |
| IBM T. J. Watson Center, Yorktown. | Research Intern | Pattern Recognition and Pen Technologies Group | 5/01 – 9/01 |
| University at Buffalo (SUNY) | Research Associate | CEDAR (NIJ sponsored Individuality of Handwriting Group) | 9/00 – 4/01 |
| Microsoft Research | Research Intern | Data Management, Exploration and Mining (DMX) | 5/00 – 9/00 |
| University at Buffalo (SUNY) | Research Assistant | CEDAR (Australia Post) | 8/98 - 4/00 |
| Wayne State University | Research Assistant | Computer Vision & Pattern Recognition joint | 4/98 - 7/98 |

|  |  | with Department of Bioinformatics and Molecular Biology |  |
| --- | --- | --- | --- |
| Wayne State University | Teaching Assistant | Computer Science | 1/98 - 5/98 |
| Center for Development of Advanced Computing (C-DAC), Pune, India | Jr. Research Engineer | Evolutionary Systems Group | 9/97 - 12/97 |
| Soft Bytes Ltd. | Software Developer | Workflow Automation Division | 5/97 – 8/97 |

*Journal:*

1. **Dimensionality Reduction Phenomenon-aware Stream Query Processing,** Ashish Bindra, Mohamed Ali, Ankur Teredesai,  **International Journal of Data Engineering (IJDE), Volume 3, Issue 3 / 2012.** (Extended version from ACM SIGSPATIAL 2009 Short Paper)

2. **Trust- and Distrust-Based Recommendations for Controversial Reviews** P. Victor, C. Cornelis, M. De Cock, A. Teredesai,  **IEEE Intelligent Systems 26(1), pp. 48-55,** 2011  (ISI 2010 impact factor: 2.57)

3. **Key Figure Impact in Trust-Enhanced Recommender Systems,** Patricia Victor, Chris Cornelis, Martine De Cock, Ankur M. Teredesai, **AI Communications, Volume 21, Number 2-3/ 2008.** (ISI impact factor: 0.57)

4. **A Pervasive Computing Curriculum for Engineering and Science Students,** F. Hu and A. Teredesai, **IEEE Pervasive Computing, Vol 6, Issue 1, 88-91, Jan-March 2007**. (ISI impact factor: 2.062)

5. **CoMMA: A Framework for Integrated Multimedia Mining using Multi-relational Associations,** A. Teredesai, R. Gaborski, J. Kanodia, and M. Ahmad, **Journal of Knowledge and Information Systems (KAIS),  Vol 10(2):  135-162, 2006. (ISI impact factor: 0.833)**

6. **Secondary Classification using Genetic Programming**, A. Teredesai and V. Govindaraju, **Journal of Pattern Recognition 38(4): 505-512, April 2005. (ISI impact factor: 1.822)**

*Book Chapters:*

7. **Evaluation of Classifiers,** Ankur Teredesai and Nele Verbiest, Data Classification: Algorithms and Applications" CRC press. Charu Aggarwal (to appear September 13)

8. **Forward** by A. Teredesai, **Trust Networks for Recommender Systems.** P. Victor, C. Cornelis, M. De Cock, Atlantis Press, 2011.

9. **Cognitively Motivated Novelty Detection in Video Data Streams,** J. Kang, M. Ahmad, A. Teredesai, and R. Gaborski. Multimedia Data Mining and Knowledge Discovery, Springer Publishers. Valery A. Petrushin and Latifur Khan (Eds.), pg. 209-233, December 2006.

*Patents:*

10. **Augmented Audience Lift Measure for Consumer Intelligence**, Archana Ramesh, Ankur Teredesai, Ashish Bindra, Sreenivasulu Pokuri, Ramesh Pabbati, Krishna Uppala, U.S. Provisional Patent Application No. 61/778,280

11. **Distributed In-Database K-Means Clustering for Audience segment Expansion**, Archana Ramesh, Ankur Teredesai, Ashish Bindra, Sreenivasulu Pokuri, Krishna Uppala, U.S. Provisional Patent Application No. 61/778,275

12. **Real Time Conversion Tracking, Reporting, and Multi Data Provider Segment Insights**, Ankur Teredesai, Fadi Obeid, Krishna Uppala, Mahmoud Alnahlawi, Bassel Ojjeh, Valter Sciarrillo, Tim Jones, Ramesh Pabbati, U.S. Provisional Patent Application No. 61/724,855

13. **Real Time Efficient Segment Classification for Online Audience Intelligence**, Ashish Bindra, Fadi Obeid, Dave Taniguchi, Ankur Teredesai, Krishna Uppala, U.S. Provisional Patent Application No. 61/679,020

*Research Panels:*

14. **How can Big Data bring out Deep Knowledge?,** Bharat Rao (Siemens Healthcare), Vivekanand Gopalkrishnan (Deloitte), Charles Parker (BigML), Ankur Teredesai (University of Washington Tacoma), Anjan Goswami (eBay and UC Davis), KDD 2012, Beijing, China, August 2012.

15. **What's in a Link,** Lada Adamic (Moderator), Ankur Teredesai, and Bernie Hogan, Microsoft Faculty Summit, July 2008.

16. **Challenges and Trends: Intelligent Environments and Wireless Sensor Applications,** Sajid Hussain (Moderator), Ankur Teredesai, Peter Graham, Alexandru Coman, First IEEE International Workshop on Intelligent Systems Techniques for Wireless Sensor Networks, organized in conjunction with the Third IEEE International Conference on Mobile Ad-hoc and Sensor Systems, MASS'06, Vancouver, Canada, October 9, 2006.

*Peer-Reviewed Publications (Conferences and Workshops)*

*2013*

17. **An Effective Message Forwarding Algorithm for Ad-hoc Network with Cyclic Probabilistic Influences.** Yitao Li , Ling Ding, Jie Sheng, and Ankur Teredesai, IEEE GLOBECOM (2013)(under review)

18. **Predicting Risk-of-Readmission of the Congestive Heart Failure Patients,** Jayshree Agarwal, Kiyana Zolfaghar, Si-Chi Chin, Senjuti Basu-Roy, Ankur Teredesai, ACM SIGKDD 2013, August 2013 (under review)

19. **Distributed In-Database K-Means Clustering For Audience Segment Expansion**, Archana Ramesh, Ankur Teredesai, Ashish Bindra, Sreenivasulu Pokuri, Krishna Uppala, ACM SIGKDD 2013, August 2013 (under review)

20. **Risk-O-Meter: An Intelligent Clinical Risk Calculator**, Kiyana Zolfaghar, Jayshree Agarwal, Deepthi Sistla, Si-Chi Chin, Senjuti Basu Roy, Nele Verbiest, Ankur Teredesai, David Hazel, Paul Amoroso, Lester Reed, ACM SIGKDD 2013 – Demo Track, August 2013 (under review)

21. **Predicting Risk-of-Readmission for Congestive Heart Failure Patients: A Multi-Layer Approach**, Kiyana Zolfaghar, Nele Verbiest, Jayshree Agarwal, Naren Meadem, Si-Chi Chin, Senjuti Basu Roy, Ankur Teredesai, David Hazel, Paul Amoroso, Lester Reed, American Medical Informatics Association (AMIA) Conference 2013, November 2013 (under review)

22. **Data Exploration Using Discretization Techniques an Application for Hospital Readmission Analysis**, Kiyana Zolfaghar, Nele Verbiest, Jayshree Agarwal, Naren Meadem, Si-Chi Chin, Senjuti Basu Roy, Ankur Teredesai, David Hazel, Paul Amoroso, Lester Reed, IEEE International Conference on Healthcare Informatics, ICHI 2013, September 2013 (under review)

23. **Finding Approachable Experts in Social Network**, Swapna Savvana, Senjuti Basu Roy, Vani Mandava, Ankur Teredesai, 7th ACM Conference on Recommendation Systems RecSys 2013 (under review)

**2012**

24. **Discovering meaningful cut-points to predict high HbA1c variation**, S.-C. Chin, W. N. Street, and Ankur Teredesai, 7th INFORMS Workshop on Data Mining and Health Informatics, Phoenix, AZ, 2012.

25. **Distributed Big Advertiser Data Mining**, Ashish Bindra , Sreenivasulu Pokuri, Krishna Uppala, Ankur Teredesai, (Industry track) IEEE International Conference on Data Mining 2012 (IEEE-ICDM)Brussels, December 2012

26. **Map-Matching as a problem for the 1st ACM SIGSPATIAL CUP**, Mohamed Ali, Travis Rautman, John Krumm, Ankur Teredesai, Proceedings of the 20th ACM SIGSPATIAL Conference on Advanced in Geographic Information Systems (GIS), Redondo Beach, November 2012.

27. **Dietary Intake Assessment using Integrated Sensors and Software**, Junqing Shang, Eric Pepin, Eric Johnson, Ankur Teredesai, Alan Kristal, and Alexander Mamishev, Proceedings of IS&T/SPIE Electronic Imaging Conference, SPIE Volume 8304A 2012

**2011**

28. **An Extensibility Approach for Spatio-temporal Stream Processing  using Microsoft StreamInsight,** Jeremiah Miller, Miles Raymond, Josh Archer, Seid Adem, Leo Hansel, Sushma Konda, Malik Luti, Yao Zhao, Ankur Teredesai and Mohamed Ali, Demo Track at 10th International Symposium on Spatial and Temporal Databases 2011, Minneapolis, August 2011

29. **A Pervasive Dietary Data Recording System,** Junqing Shang, Kishore Sundara-Rajan, Levi Lindsey, Alexander V. Mamishev, Eric Johnson, Ankur Teredesai, Alan Kristal, IEEE International Conference on Pervasive Computing, PerCom Demo Track, March 2011

**2010**

30. **Ranking in Microblog Search,** Rinkesh Nagmoti, Ankur Teredesai and Martine De Cock, 2010 IEEE/WIC/ACM International Conference on Web Intelligence (WI-10) August 31 - September 3, 2010, York University, Toronto, Canada.

31. **Born to Trade: a Genetically Evolved Keyword Bidder for Sponsored Search,** Michael Munsey, Jonathan Veilleux, Sindhura Bikkani, Ankur Teredesai, and Martine De Cock, Congress for Evolutionary Computing 2010 (CEC 2010), Barcelona, Spain, July, 2010.

32. **A RapidMiner Framework for Protein Interaction Extraction,**  T. Fayruzov, G. Dittmar, N. Spence, M. De Cock, A. Teredesai  in: Proceedings of RCOMM2010 (RapidMiner Community Meeting), p.58-63, 2010

**2009**

33. **Multi-dimensional Phenomenon-aware Stream Query Processing,** Ashish Bindra, Ankur Teredesai, Mohamed Ali, and Walid Aref, ACM SIGSPATIAL GIS 2009 (short paper), Bellevue, WA, Nov 2009. **(Best short paper award)**

34. **Maximizing Ridesharing matches for Dynamic Carpooling**, David Thaler and Ankur Teredesai, Intelligent Environments 2009, Barcelona, Spain, July 20-21, 2009.

35. **An Evolved Fuzzy Logic System for Fire Size Prediction,** Alan Fowler, Martine De Cock and Ankur Teredesai, The 28th North American Fuzzy Information Processing Society Annual Conference, June 14-17th, 2009, Cincinnati, OH.

36. **A Comparative Analysis of Trust-Enhanced Recommenders for Controversial Items,** P Victor, C Cornelius, M De Cock, A Teredesai, Third International Conference on Weblogs and Social Media (ICWSM 2009), May 2009, San Jose, CA. (Acceptance Rate 20%)

37. **Trust and Distrust based Recommendations for Controversial Items,** P Victor, C Cornelius, M De Cock, and A Teredesai, Web Science 09, March 2009, Athens, Greece. *(Acceptance Rate 20%)*

    **2008**

38. **Getting Cold Start Users Connected in a Recommender System's Trust Network**, P Victor, C Cornelius, M De Cock, and A Teredesai, The 8th International FLINS Conference on Computational Intelligence in Decision and Control, Sept 2008, Madrid, Spain. (*Acceptance Rate 33%*)

39. **Whom Should I Trust?  The Impact of Key Figures on Cold Start Recommendations,** P Victor, C Cornelius, A Teredesai and M De Cock, ACM 2008 Symposium on Applied Computing (SAC), March 2008, Fortaleza, Brazil. (*Acceptance Rate 30%*)

    **2007**

40. **GPSENSE: An Algorithmic Framework for Intelligent Sensing at Node Level in WSN**, S Soni and A. Teredesai, Proceedings of the International Symposium on Data, Information & Knowledge Spectrum,  Dec 13 - 15, 2007, Kerala, India. (*Acceptance Rate 28%*)

    **2006**

41. **Modeling Proliferation of Ideas in Online Social Networks,** M. Ahmad and A. Teredesai, Proceedings of the 5th Australasian Data Mining Conference, November 29-30 2006, in conjunction with the 19th Australian Joint Conference on Artificial Intelligence, Sydney, Australia. (*Oral presentation- acceptance Rate 24%*)

42. **Towards Enhancing Undergraduate Pervasive Computing Skills: An Innovative Multi-Disciplinary Approach,** F. Hu and A. Teredesai, International Conference on Engineering Education (ICEE) (peer-reviewed abstract), July 23-28 2006, San Juan, Puerto Rice, USA. (*Acceptance Rate 40%*)

43. **SoNEA: Sensing Online Novelty Using Event Archives,** A. Teredesai and Yuan-Feng Zhu, First IEEE International Workshop on Intelligent Systems Techniques for Wireless Sensor Networks, October 2006, Vancouver, BC, Canada.  (*Acceptance Rate 25%*)

44. **AquaGP: Approximate Query Processing using Genetic Programming,** J. Peltzer, A. Teredesai, and G. Reinard, European Conference on Genetic Programming (EuroGP06), Budapest, Hungary, April 2006. (*Acceptance Rate 35%*)

    **2005**

45. **Revisiting the Connectionist vs. Classicist Debate using Image Annotation as a Paradigm for Critique,** M. Ahmad and A. Teredesai, 3rd International Conference on Philosophical Foundations of Artificial Intelligence, Berlin, Germany, March 2005. (*Acceptance rate 30%*)

46. **Timing-controlled Data Query in Wireless Sensor Networks: Towards A Cross-layer Optimization Approach,** F. Hu, A. Teredesai, and H. Wu, IEEE International Conference On Networking, Sensing and Control, ICNSC 05, March 2005. *(Acceptance Rate 47%)*

47. **Genetic Programming in Wireless Sensor Networks,** D. Johnson, A. Teredesai and R. Saltarelli, European Conference on Genetic Programming EuroGP 2005, Lausanne, Switzerland, April 2005. *(Acceptance Rate 31%)*

48. **Portable Image Archiving: Annotation, Search and Data Retrieval,** V. Misic, J. Kang, A. Teredesai and J. Sissel, IS&T Archiving Conference, 114-118, Washington, DC., April, 2005. *(Acceptance Rate 70%)*

**2004**

49. **Combing Multimedia Multi-relational Associations,** A. Teredesai, J. Kanodia, M. Ahmad and R. Gaborski, 7th ACM SIGKDD Workshop on Multimedia Data Mining, Seattle, WA, USA, August 2004. *(Track Acceptance Rate 12%) (ISI conference impact factor 1.28)*

50. **Extracting Social Networks from Instant Messaging Populations,** J. Resig, S. Dawara, C. M. Homan, and A. Teredesai, Proceedings of the 7th ACM SIGKDD Workshop on Link KDD, August 2004. *(Track Acceptance Rate 20%) (ISI conference impact factor 1.28)*

51. **Issues in Evolving GP based Classifiers for a Pattern Recognition Task,** A. Teredesai, Congress for Evolutionary Computation 04 (CEC 04), Portland, OR, June 2004. *(Acceptance Rate 70%)*

52. **A Framework for Mining Instant Messaging Forests**, A. Teredesai, and J. Resig, Workshop on Link Analysis, Counter-terrorism, and Privacy at the Fourth SIAM International Conference on Data Mining (SDM 2004), FL, April 2004.

53. **VENUS: A System for Novelty Detection in Video Streams with Learning,** R. Gaborski, A. Teredesai, V. Vaingankar, V. Chaoji, A. Tentler, Proceedings of the 17th International FLAIRS Conference, South Beach, FL, 2004. *(Acceptance rate 49%)*

54. **Detection of Inconsistent regions in video streams,** R. Gaborski, V. Vaingankar, A. Teredesai, V. Chaoji, Proceedings of the SPIE Electronic Imaging: Human Vision and Electronic Imaging IX Conference, San Jose, California 2004.

**2003**

55. **Cognitively Motivated Habituation for Novelty Detection in Video,** V. Vaingankar, V. Chaoji, R. Gaborski, and A. Teredesai, Proceedings of the Seventeenth Annual Conference in Neural Information Processing Systems (NIPS 03) Open Problems in Cognitively Motivated Vision, December 2003, Whistler B.C., Canada. *(Acceptance rate regular paper 27%)*

**2002**

56. **Recurrent Genetic Programming**, A. Teredesai, V. Govindaraju, E. Ratzlaf, and J. Subrahmonia, IEEE Conference on Systems, Man and Cybernetics 2002, October, 2002, Hammamet, Morocco. *(Acceptance Rate 70%)*

57. **On-Line Digit Recognition using Off-Line Features**, A. Teredesai, E. Ratzlaf, J. Subrahmonia, V. Govindaraju, Indian Conference on Computer Vision, Graphics and Image Processing, Ahmadabad, India. December 2002.

**2001**

58. **Active Digit Classifiers: A Separability Optimization Approach to Emulate Cognition**, A. Teredesai, and V. Govindaraju, Sixth International Conference on Document Analysis and Recognition (ICDAR01), Seattle, September 2001. *(Acceptance rate 48%)*

59. **Active Handwritten Character Recognition using Genetic Programming**, A. Teredesai, J. Park and V. Govindaraju, European Conference on Genetic Programming (EuroGP01), Como Italy, April 2001. *(Acceptance Rate 43%)*

60. **Secondary Classification using Key Features**, A. Teredesai, Z. Shi, and V. Govindaraju, SPIE01: Document Recognition and Retrieval VIII, Proceedings of the SPIE, San Jose, CA, January 2001.

**Regional Workshops (peer-reviewed)**

61. **Image Search, Retrieval and Visualization in CoMMA,** with M. Ahmad and J. Kanodia, Conference on Computing and Information Sciences (CCIS), Rochester, NY, January 2005.

62. **Intelligent Event Detection in Sensor Networks,** A. Teredesai, Y. Zhu, 1st IEEE Upstate NY Workshop on Wireless Communication and Networking, Rochester, November 2004

63. **MAC-level Upstream (Sensor-to-Sink) QoS Support For Reliable Wireless Sensor Networks,** F. Hu, A. Teredesai, and S. Kumar, 3rd IEEE Upstate NY Sensor Network Workshop, Syracuse, NY, October 2004.

64. **Quality of Query Measures in Sensor Networks,** A. Teredesai and Chung-Liang Clark Hsu, 3rd IEEE Upstate NY Sensor Network Workshop, Syracuse, NY, October 2004.

65. **Event Detection in Video Sequences of Natural Scenes,** A. Tentler, V. Vaingankar, R. Gaborski, A. Teredesai, IEEE Western New York Image Processing Workshop, October 2003, Rochester, NY.

66. **Feature Extraction and Classification in Machine Printed Korean OCR**, D. Hollinger, P. Anderson, R. Gaborski, A. Teredesai, IEEE Western New York Image Processing Workshop, October 2003, Rochester, NY.

*Abstracts and Editorials:*

67. **Augmenting Microblog Search with Social Authority Ranking,** R. Nagmoti, A. Teredesai, M. De Cock in: ISNA2010 (30th International Sunbelt Social Network Conference), July 2010 (extended abstract)

68. **PRISE - a PRotein Interaction Search Engine**, T. Fayruzov, M. De Cock, C. Cornelis, V. Hoste, R. Hill, S. Lynch, A. Teredesai in: LTCI2009 (Third AUGent Workshop on Language Technology and Computational Intelligence), 2009

*Technical Reports:*

69. **Auto-Indexing WebPages using Common Nodes in Decision Trees**, A. Teredesai, and S. Sharma, RIT LAC Technical Report. January 2003.

70. **Constraint Based Frequent Itemset Mining of Web Access Logs,** A. Teredesai, and F. Sultan, RIT LAC Technical Report. December 2002.

71. **Co-Training with SVM and Naïve Bayes Classifiers**, A. Teredesai, V. Chaoji, S. Dawara, and R. Gaborski, RIT LAC Technical Report. October 2002.

## *Technology and Outreach Panels:*

72. **Cloud Computing: The Next Technology Revolution,** A. Teredesai, Mike Marzano, Aaron Kimbell (moderator), South Sound Technology Conference, November 2008.

73. **Symbiosis of Globalization and Technology,** A. Teredesai (organizer), Andrew Fry (moderator), George Mobus, Samir Manjure, Nitin Ahuja, Lewis McMurran, ACM Panel Discussion on Computers, Society and Ethics, October 2008.

74. **Why Software Engineers Have the Best Job in the U.S.,** A. Teredesai (moderator), Career Discovery Week, UW Tacoma, January 2008.

75. **How Non-Profits Use Current Technology,** A. Teredesai (moderator), ACM Panel Discussion on Computers, Society and Ethics, Tacoma, March 2007.

## *Research Software Contributions and Community Contributed Artifacts:*

76. **Handwritten Zip-Code Recognizers,** Developed at Center for Excellence in Document Analysis and Recognition (CEDAR-SUNY Buffalo) and the United States Postal Service. Used by the USPS for zip-code recognition of millions of handwritten mail-pieces everyday.

77. **Individuality of Handwriting.** Developed tools to statistically validate the Individuality of Handwriting at Center for Excellence in Document Analysis and Recognition (CEDAR-SUNY Buffalo) in sponsorship from the National Institutes of Justice (NIJ).

78. **Active Genetic Programming for N-Way Binary Classification,** Available in a GP plugin for WEKA Machine Learning Toolkit used widely by the machine learning and data mining community.

79. **Grouping Related Attributes,** Public domain software module used by the data mining research community to perform co-clustering and grouping of relevant features for feature selection and dimensionality reduction.

## INVITED LECTURES AND PUBLIC SPEAKING ENGAGEMENTS AS AN EXPERT (TITLE)

| | |
|---|---|
| Tacoma City Club, (Big Data Societal Impact), Invited talk | April 2013 |
| IEEE ICDM Industry Track (Distributed in-db association rule mining), Conference Presentation | December 2012 |
| ACM SIGKDD Big Mine Workshop (Big Data Mining Pitfalls), Keynote talk | August 2012 |
| Board of Regents, University of Washington (Web and Data Science), Invited Talk | March 2012 |
| Deloitte Consulting, (Social Media Challenges) Talk followed by Panel Discussion | April 2011 |
| Microsoft Office Live (Social Networks: Trust and Monetization) | April 2008 |
| University of Minnesota, Computer Science (Trust Enhanced Recommendation Systems) | November 2007 |
| Microsoft Research (Mining Instant Messaging Networks using Link Analysis Techniques) | August 2006 |
| Keynote at Workshop on Link Analysis, SIAM Data Mining Conference (Role of Link Analysis in Social Networking Research) | April 2006 |
| Persistent Software, Pune, India (Pattern Recognition for the Networked Generation) | June 2005 |
| Indian Institutes of Sciences (IISc), Bangalore, India (Common Threads in Temporal Mining for Large Multimedia Databases) | December 2004 |
| Xerox Corporation (Research Directions in Link Analysis) | May 2004 |
| University at Buffalo (Transitioning Pattern Recognition Algorithms to Perform Data Mining) | March 2004 |
| High Technology Business Council (HTBC) of Rochester (Discovery Informatics: A Data Driven Paradigm for Pattern Mining) | March 2004 |
| National Institutes of Health, Bethesda, Washington DC (Common Node Decision Tree: Algorithms and Applications) | August 2003 |
| RIT Board of Trustees (Presence Mining using Instant Messaging Activity Logs) | May 2003 |
| RIT Laboratory for Applied Computing Distinguished Speaker Series (Mining Relationships Data) | April 2003 |
| Eastman Kodak (Lessons from Data Mining for Computer Vision Research) | April 2003 |

Yahoo Inc (Active Pattern Recognition: A scalable approach)          May 2002

Rensselear Polytechnic Institute (Genetic Programming Algorithms for          January 2002
Handwritten Zip Code Recognition)

DETAILS OF GRANTS AND EXTRAMURAL FUNDING

| Agency | Project | Year | Institution | Amount[1] ($) | Role |
|--------|---------|------|-------------|---------------|------|
| *Microsoft Corporation* | *Chronozoom* | *2012 -13* | *UWT* | *$113,000* | *PI* |
| *National Institutes of Health* | *Diet Data Management Platform* | *2012 -13* | *UWT* | *$200,961* | *PI* |
| *Washington State Office of Superintendent of Public Instruction (OSPI)* | *Response to Intervention (RtI)* | *2012 -13* | *UWT* | *$65,473* | *PI* |
| *MultiCare Health System (MHS) (with extension)* | *Hospital Readmission* | *2012 -13* | *UWT* | *200,061* | *PI* |
| *National Institutes of Health – Sub from UW Seattle* | *eNutrition 2012 – Phase II* | *2012* | *UWT* | *19,712* | *PI* |
| *National Institutes of Health – Sub from UW Seattle* | *eNutrition 2012 – Phase I* | *2012* | *UWT* | *19,088* | *PI* |
| *Washington State Office of Superintendent of Public Instruction (OSPI)* | *Large Scale Data Analytics of RtI (Response to Intervention) Methods -- PHASE I* | *2011 - 2012* | *UW(T)* | *$79,468* | *PI* |
| *National Institutes of Health (NIH)* | *Diet Data Recording System* | *2010 - 2013* | *UW(T), UW (S), Fred Hutchin son Cancer Researc* | *$3M* | *Co-PI*<br><br>*PI: Kristal* |

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[1] Approximate figures based on most accurate data I have. Actual totals may be slightly different

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| | | | | h Center | |
| *Microsoft (StreamInsight)* | *Travel Award* | *2011* | *UW(T)* | *$1000.00* | *PI* |
| *Washington State Office of Superintendent of Public Instruction (OSPI)* | *OSPI/UWT State Special Needs Education Projects Data Dashboard Project-- PHASE III* | *2011 - 2012* | *UW(T)* | *$258,000* | *Co-PI* *PI: Benner* |
| *Washington State Office of Superintendent of Public Instruction (OSPI)* | *OSPI/UWT State Special Needs Education Projects Data Dashboard Project -- PHASE II* | *2010 - 2011* | *UW(T)* | *$300,000* | *Co-PI* *PI: Benner* |
| *Washington State Office of Superintendent of Public Instruction (OSPI)* | *OSPI/UWT State Special Needs Education Projects Data Dashboard Project -- PHASE I* | *2010* | *UW(T)* | *$70,564* | *Co-PI* *PI:Benner* |
| *National Science Foundation(NSF)- DUE* | *Towards Enhancing Undergraduate Pervasive Computing Skills: An Innovative Multi-Disciplinary Adaptation and Implementation* | *2005* | *RIT, University of Alabama* | *$194,755* | *Co-PI* *PI: Hu* |
| *Intelligence Technology Center, Washington D.C.* | *Traffic Analysis of Real-Time Communication Networks* | *2004* | *RIT* | *$12000* | *PI* |
| *RIT Provost's Learning Innovation Grant* | *Adapting Sensor Networks Curriculum* | *2005* | *RIT* | *$10000* | *PI* |
| *RIT Provost's Learning Innovation Grant* | *Introducing Sensor Networks in Undergraduate Curriculum (04-05)* | *2004* | *RIT* | *$10000* | *Co-PI* *PI: Hu* |
| *RIT Faculty Evaluation And Development Grant* | *Data Mining in Resource Constrained Environments* | *2004* | *RIT* | *$3500* | *PI* |
| *Laboratory for Applied* | *Extending Text* | *2003* | *RIT* | *$5000* | *PI* |

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| *Computing* | *Classification (2003-4)* | | | | |
| *RIT Faculty Evaluation And Development Grant* | *Combining Image and Text Classification(2003)* | *2003* | *RIT* | *$5000* | *PI* |
| *RIT Trustee Endowment Equipment Grant* | *Enhancing Sensor Network Data Management* | *2003* | *RIT* | *$15000* | *PI* |
| **Total Funded** | | | | $4,582,582 | |

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DETAILS OF GRANTS AND EXTRAMURAL FUNDING **(NOT FUNDED)**

| | | | | | |
|---|---|---|---|---|---|
| National Science Foundation (NSF) – IIS | Personalized Recommendations for Controversial Items | 2008 | UWT | $500,000 | PI |
| HP Innovations Grant | Engaging Students to Enhance Active and Collaborative Learning using Nomadic Computing across IT, CS, and CE Disciplines | 2009 | UWT | $240,000 | Co-PI  PI: Chung |
| Chancellors Fund | Improving the quality of online recommendation systems using social networks | 2009 | UWT | $5000 | PI |
| National Science Foundation(NSF)- BCS | (DHB) Social Network Patterns Among Diverse Deaf Communities: Identification and Simulation Using Instant Messaging Networks | 2005 | RIT | $742,045.00 | PI |
| Ford Foundation (selected for Phase II) | Instant Messaging Based Social Network Analysis of Deaf and Hard of Hearing Communities | 2005 | RIT | $150,000.00 | PI |
| National Science Foundation(NSF)- IIS | CAREER: Grouping Related Attributes -- Efficient and Adaptive Discovery of Categorical Attribute Directories | 2004 | RIT | $573,881.00 | PI |
| National Science Foundation(NSF)-CNS | Cyber Trust: Contents based security enhancement protocols in | 2004 | RIT | $236,562.00 | Co-PI  PI: |

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| | complex sensor network systems | | | | Resnik |
| National Science Foundation(NSF)-IIS | ITR - (ASE + ECS + NHS) - (dmc + int): Combined Multimodal Knowledge Discovery for Efficient Data Management in Sensor Networks | 2004 | RIT | $1,402,044.00 | PI |
| National Science Foundation(NSF)-IIS | Video Exploitation and Novelty Understanding in Scenes | 2004 | RIT | $493,723.00 | Co-PI<br><br>PI: Gaborski |
| National Science Foundation(NSF)-EECS | RUI: Sensors: Intelligent Methodologies in Evaluation and Reduction of Uncertainty in Heterogeneous Multi-Sensor Networks Based on Additional Information Extraction and Fusion | 2003 | RIT | $747,849.00 | Co-PI<br><br>PI: Resnik |

## RESEARCH SUPERVISION AND ADVISING

| Major Advisor of  MS Thesis Students (employment after graduation) | Year (till 2011) |
|---|---|
| Garima Tiwari (WA – DOT) | 2011 |
| John Patanian – GE Research | 2011 |
| Aparna Sundararajan | 2010 |
| Soujanya Soni – IBM Research | 2007 |
| Kalyan Chakravorty – Amazon | 2006 |
| Jason Pelzer – Dolphin Technologies | 2006 |
| Juveria Kanodia – Microsoft | 2005 |
| Jim Kang – (PhD UMinn) | 2005 |
| Vineet Chaoji – (PhD RPI) | 2004 |
| Santosh Dawara – Research In Motion | 2004 |

**Major Advisor of MS Project Students**

| | |
|---|---|
| Michael Munsey | 2010 |
| Richard Hill | 2009 |
| Uma Nalluri | 2008 |
| Clark Hsu | 2006 |
| Dmitriy Shnyder | 2006 |
| Jagdip Singh – Freddie Mac | 2005 |
| Eric Zhu – Microsoft | 2005 |
| Jing Jing Xu – Ask Jeeves | 2005 |
| Sirisha Upadhyayala – Baltimore, MD. | 2004 |
| Sunil Sharma – Exxon Corporation, San Diego, CA | 2003 |
| Farzana Sultan – Infosys, India | 2003 |
| Trevor R. H. Clarke, Lockheed Martin | 2003 |
| Derek Johnson, Agnik Corp MD | 2004 |
| Mihir Dharamshi, Microsoft | 2004 |
| Harita Chikuluri, Intel | 2005 |
| Raviram Sistala, AMD | 2005 |

**Thesis/Project Committee Member**

| | |
|---|---|
| John Reed | 2008 |
| Suwoon Pyo | 2007 |
| Connie Boehmer – Xerox Corp, Rochester, NY | 2002 |
| Susan Athalye | 2003 |
| Chen Li | 2003 |
| David Hollinger – Kodak, Rochester, NY | 2003 |
| Chadd Merrigan – Microsoft | 2003 |
| V. Vaingankar – USC Neuroscience Ph.D. | 2003 |

**TEACHING**

LIST OF COURSES :

| # | Semester/Quarter | Course # | Topic | Level (Enrollment) |
|---|---|---|---|---|
| 1. | Spring 2011 | TCSS 590 | **Social Network Analysis** | Graduate (17) |
| 2. | Spring 2011 | TCSS 590 | **Internet Ad-Auctions** | Graduate (8) |
| 3. | Winter 2011 | TCSS 590 | **Web and Data Science** | Graduate (16) |
| 4. | Winter 2011 | TCSS 555 | **Data Mining** | Graduate (30) |
| 5. | Autumn 2010 | TCSS 590 | **Stream Data Management** | Graduate (6) + Undergraduate (6) |
| 6. | Spring 2010 | TCSS 598 | **Masters Seminar** | Graduate (17) |
| 7. | Spring 2010 | TCSS 600/498 | **Data Streams** | Graduate (8) + Undergraduate (6) |
| 8. | Spring 2010 | TCSS 600/498 | **Hands on Algorithms** | Graduate (2) + Undergraduate (6) |
| 9. | Winter 2010 | TINFO 310 | **Foundations of Information Management** | Undergraduate(20) |
| 10. | Autumn 2009 | TCSS:590 | **Database Systems Implementation** | Graduate (10) |
| 11. | Autumn 2009 | TCSS:445/545 | **Database Systems Design** | Undergraduate (25) + Graduate (5) |
| 12. | Spring 2009 | TCSS:589 | **Masters Seminar** | Graduate (19) |
| 13. | Spring 2009 | TCSS:342 | **Data Structures** | Undergraduate (18) |
| 14. | Winter 2009 | TCSS:445/545 | **Database Systems Design** | Undergraduate (25) + Graduate (5) |
| 15. | Autumn 2008 | TCSS:555 | **Data Mining** | Graduate (11) |
| 16. | Autumn 2008 | TCSS:325 | **Computer, Ethics and Society** | Undergraduate (24) |
| 17. | Spring 2008 | TCSS:342 | **Data Structures** | Undergraduate (29) |
| 18. | Spring 2008 | TCSS:590 | **Web Search** | Graduate (10) |
| 19. | Winter 2008 | TCSS:342 | **Data Structures** | Undergraduate(25) |
| 20. | Winter 2008 | TCSS:590 | **Social Networks** | Graduate (9) |

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|---|---|---|---|---|
| 21. | Autumn 2007 | TCSS:342 | **Data Structures** | Undergraduate (23) |
| 22. | Spring 2007 | TCSS: 590 | **Intelligent Networks** | Graduate (11) |
| 23. | Winter 2007 | TINST:590 | **Pervasive Social Computing** | Graduate (9) |
| 24. | Winter 2007 | TCSS:325 | **Computers, Ethics, and Society** | Undergrad (26) |
| 25. | Spring 2006 | 4003-590-90/4005-759-90 | **Sensor Networks Data Management** | Undergrad & Graduate (15) |
| 26. | Spring 2006 | 4003-590-06/4005-773-06 | **Advanced Data Mining** | Undergrad (22) |
| 27. | Winter 2006 | 4003-590 / 4005-759 | **Data Mining** | Undergrad & Graduate(40) |
| 28. | Fall 2005 | 4003-590 / 4005-759 | **Data Mining** | Undergrad & Graduate(35) |
| 29. | Spring 2005 | 4003-486/4005-772 | **Database Systems Implementation** | Undergrad & Graduate (20) |
| 30. | Spring 2005 | 4003-590 / 4005-779 | **Sensor Net Data Management** | Undergrad & Graduate (6) |
| 31. | Fall 2004 | 4005-800 | **Theory of Algorithms** | Graduate (40) |
| 32. | Fall 2004 | 4003-590 / 4005-759 | **Data Mining** | Undergrad & Graduate(25) |
| 33. | Spring 2004 | 4003-590-06/4005-773-06 | **Advanced Data Management** | Undergrad & Graduate (40) |
| 34. | Spring 2004 | 4003-590-09/4005-759-09 | **eXtreme Theory** | Undergrad & Graduate (20) |
| 35. | Spring 2004 | 4005-893-03 | **Database Systems Implementation** | Graduate (9) |
| 36. | Winter 2004 | 4005-772 | **Database Systems Implementation** | Graduate(12) |
| 37. | Winter 2004 | 4003-590 / 4005-759 | **Data Mining** | Undergrad & Graduate(25) |
| 38. | Fall 2003 | 4005-772 | **Database Systems** | Graduate(12) |

Implementation

| | | | | |
|---|---|---|---|---|
| 39. | Spring 2003 | 4005-759 | **Spatial Pattern Recognition** | Graduate(6) including Imaging Science students |
| 40. | Spring 2003 | 4003-233 | **Computer Science 3** | Undergraduate(35) |
| 41. | Spring 2003 | 4005-891 | **Masters Project Seminar** | Graduate (20) |
| 42. | Winter 2003 | 4003-590 / 4005-759 | **Data Mining** | Undergrad & Graduate(15) |
| 43. | Winter 2003 | 4003-231 | **Computer Science 1** | Undergraduate (27) |
| 44. | Winter 2003 | 4003-231 (Laboratory) | **Computer Science 1** | Undergraduate(15) |
| 45. | Fall 2002 | 4003-231 | **Computer Science 1 (2 sections)** | Undergraduate (50) |
| 46. | Fall 2002 | 4003-231 (Laboratory) | **Computer Science 1** | Undergraduate(15) |
| 47. | Fall 2001 | CSE 700 | **Digital Libraries** | Graduate (7) |
| 48. | Summer 1998 | CSC-1100 | **TA - Problem Solving and Programming** | Undergraduate (30) |
| 49. | Summer 1998 | CSC-4420 | **TA - Computer Operating Systems** | Undergraduate (25) |
| 50. | Winter 1998 | CSC-1000 | **TA – Introduction to Computer Science** | Undergraduate (40) |

| **Independent Study Supervision (UWT)** | **Quarter Year** |
|---|---|
| Aaron Munger | Summer 2011 |
| Rinkesh nagmoti | Summer 2009 |
| Victoria Garner | Summer 2009 |
| Josh Archer | Spring 2009 |
| Scott Jones | Spring 2009 |
| Ashish Bindra | Spring 2009 |
| Derek Kumagai | Summer 2008 |

| | |
|---|---|
| Wemba Koy Ogonda | Summer 2008 |
| Hoai Nyugen | Winter 2008 |
| Hoai Nyugen | Spring 2008 |

| **Internship Supervision (UWT)** | **Quarter Year** |
|---|---|
| JerinThomas (Weyerhauser, Federal Way, WA) | Autumn 2008 |
| Hang Dao (Avanade, Seattle, WA) | Autumn 2008 |
| Mark Valdez | Winter 2007 |
| Reginald Lee | Autumn 2007 |

| **Independent Study Supervision (RIT)** | **Quarter Year** |
|---|---|
| Santosh Dawara | Fall 2003 |
| Vineet Chaoji | Winter 2004 |
| Derek Johnson | Spring 2004 |

## SERVICE

### PROFESSIONAL MEMBERSHIPS:

| | | |
|---|---|---|
| IEEE - Institute of Electrical and Electronics Engineers | Member | 1997-present |
| ACM – SIGKDD (American Association of Computing Machinery - Special Interest Group in Knowledge Discovery and Data Mining) | Information Director | 2011-present |
| ACM – SIGMOD (American Association of Computing Machinery: Special Interest Group in Management of Data) | Member | 1998-present |

### ASSOCIATE EDITOR:

- SIGKDD Explorations (2011 -)

### EDITORIAL BOARD MEMBER:

- International Journal of Pervasive Computing and Communications (2010 - )

### CONFERENCE/WORKSHOP ORGANIZATION (SERVICE AS CHAIR):

- ❖ IEEE Pervasive Computing – Demonstrations Chair 2010

- ❖ General Co-Chair: Fourth International Symposium on Smart Home (SH 2009), Toronto, Canada, 13-16th July 2009.

- ❖ Co-Chair for Publicity Committee: 5th International Conference on Intelligent Environments (IE09), Barcelona, Spain, July 19-21, 2009.

- ❖ Local Arrangements Chair and PC member: The 9th Annual International Symposium on Applications and the Internet (SAINT 2009), Seattle, WA

- ❖ Program Committee Chair: IEEE Intelligent Pervasive Computing 2008 Conference, Sydney, Australia, Dec 2008.

- ❖ Organizer: Panel Discussion on Symbiosis of Globalization and Technology, UWT, Tacoma, Oct 23rd, 2008.

- ❖ Organizer: BarCamp Seattle, Adobe Inc. Seattle, WA, June 2008.

- ❖ Local Arrangements Co-Chair: The 4th IET International Conference on Intelligent Environments (IE 08) 21 - 22 July, 2008, University of Washington, Seattle.

- ❖ Chair: 5th Workshop on Link Analysis, Counterterrorism and Security at the SIAM Data Mining Conference, Minneapolis, MN, April 2007.

- ❖ Panel Discussion: Intelligent Sensor Technologies Workshop at IEEE-MASS 06, Vancouver BC 2006. Panel Chair.

- ❖ 4th Workshop on Link Analysis, Counterterrorism and Security at the SIAM Data Mining

Conference, Washington DC, April 23rd 2006. Chair.

- ❖ 2002 ACM SIGMOD Workshop on Data Mining and Knowledge Discovery. Session Chair.

CONFERENCE/WORKSHOP ORGANIZATION (SERVICE AS PROGRAM/ORGANIZING COMMITTEE MEMBER):

- WWW 2010 – International Conference on World Wide Web

- ICDM 2011 – IEEE International Conference on Data Mining

- 9th International Conference on Intelligent Systems Design and Applications (ISDA09).

- UbiComp 2009 – Program committee member for the Doctoral Symposium, September 2009.

- Third International Workshop on Data Mining and Audience Intelligence for Advertising (ADKDD'09), SIGKDD 2009.

- Information Retrieval and Advertising Workshop, SIGIR 2009.

- 11th International Conference on Ubiquitous Computing 2009 (UbiComp 09), Poster Committee Member.

- 15th ACM SIGKDD Conference on Knowledge Discovery from Databases, PC Member, SIGKDD 2009, Paris, FR.

- IEEE Congress on Evolutionary Computing 2009, Trondheim, Norway, May 18-21, 2009.

- Tenth European Workshop on Evolutionary Computation in Image Analysis and Signal Processing, EvoIASP 09, Eberhard Karls Universität, Tübingen, Germany, 15-17 April 2009.

- Fuzzy Logic on the Web (FLOW) Workshop at ACM Web Intelligence Systems Conference, December 2008, Sydney, Australia.

- The Second International Workshop on Data Mining and Audience Intelligence for Advertising (ADKDD'08), in conjunction with SIGKDD08, August 24, 2008, Las Vegas, Nevada, USA

- The 4th IET International Conference on Intelligent Environments (IE 08) 21 - 22 July, 2008 University of Washington, Seattle, USA.

- Florida Artificial Intelligence Research Symposium, FLAIRS-21, in Miami, Florida, May 2008.

- Tenth European Workshop on Evolutionary Computation in Image Analysis and Signal Processing, EvoIASP 08, Napoli, Italy, 26-28 March 2008.

- International Symposium on Data, Information, and Knowledge Spectrum, Kerala, India, December 13-15, 2007.

- Intelligent Environments 2007, Ulm, Germany, September 2007.

- SmartTel 07 The First International Workshop on Smart Homes for Tele-Health, Niagara Falls, Canada, 2007.

- EuroIASP at EuroGP 07

- ICDE 06 -1st International Workshop on Data Engineering and Social Networks

- GECCO 2006

- EuroIASP Workshop at EuroGP 06.

- ADCOM, Coimbatore, India 05.

- GECCO 2005

- 3rd Workshop on Link Analysis, Counterterrorism and Security at the SIAM Data Mining Conference, Newport Beach, April 23rd 2005

- EuroIASP Workshop at EuroGP 05.

- International Conference on Information Technology, Hyderabad, India, December 2004.

- The 9th ACM SIGMOD Workshop on Research Issues in Data Mining and Knowledge Discovery (DMKD 04), Maison de la Chimie, Paris, France. 2004

- Workshop on Document Analysis and Information Retrieval held at CVPR - Computer Vision Pattern Recognition, Madison, Wisconsin, 03.

- EuroISP at European Conference on Genetic Programming 2004 (EuroGP 04).

- International Workshop on Frontiers in Handwriting Recognition (IWFHR 02).


## BOOK/PANEL REVIEWS:

Textbook Review: Database Management: A Systems Approach Using Java, John Wiley and Sons.

National Science Foundation Panel on Intelligent Information Systems 2003

## JOURNAL (INVITED REVIEWER):

- VLDB

- Information Sciences

- Information Systems

- Data & Knowledge Engineering (DKE) Journal

- Pervasive and Mobile Computing

- IEEE Transactions on Evolutionary Computing

- Annals of Telecommunications

- Data Mining and Knowledge Discovery

- IEEE Transactions on Knowledge and Data Engineering (TKDE)

- IEEE Transactions on Systems, Man and Cybernetics – Part B (SMC)

- IEEE Transactions on Pattern Analysis and Machine Intelligence (PAMI)

- IEEE Transactions on Evolutionary Computing (TEC)

- IEEE Transactions on Multimedia (MM)

- Journal of Pattern Recognition (PR)

- Image and Vision Computing Journal

## CONFERENCE REVIEWER

| | |
|---|---|
| Eleventh ACM International Conference on Knowledge Discovery in Databases | SIGKDD 2005 |
| Tenth ACM International Conference on Knowledge Discovery in Databases | SIGKDD 2004 |
| European Conference on Genetic Programming 2002 | EuroGP 2002 |
| Evolutionary computation in Image and Signal Processing 2004 | EvoISP 2004 |
| International Conference of Pattern Recognition 2002 | ICPR 2002 |
| Congress of Evolutionary Computing ASPGP | CEC 2003 |
| International Conference in Document Analysis and Recognition | ICDAR 1999,2001,2003 |
| International Workshop on Frontiers in Handwriting Recognition | IWFHR 2002 |
| Tenth ACM International Conference on Knowledge Discovery and Data Mining | ACM SIGKDD2004 |

## UNIVERSITY, COLLEGE, AND DEPARTMENT LEVEL SERVICE:

| | | | |
|---|---|---|---|
| UW Faculty Senate | Elected Member | UW | 2011-2013 |
| Faculty Council – Academic Policy Committee | Member | UW(T) | 2010-2011 |
| Faculty Council - Academic Promotion and Tenure Committee | Member | UW(T) | 2010-2011 |
| Math Science and Leadership Program | Internship Supervisor | UWT | July 2008 |

| | | | |
|---|---|---|---|
| Research Advisory Group | Member | UWT | 2007-2008 |
| Ph.D. Committee | Member | RIT | 2003-2006 |
| Medical Informatics Program | Advisory Board Member | RIT | 2005-2006 |
| College Curriculum | Member | RIT | 2004-2005 |
| Graduate Students Association | Advisor | University at Buffalo | 2000-2001 |
| Graduate Affairs Committee, CSE Department, | Member | University at Buffalo | 2000-2001 |
| Graduate Indian Students Association | President | University at Buffalo | 1999-2000 |
| CS Dept Representative, University Senate | Elected Member | Maharaja Sayajirao University, India | 1995-1996 |

DEPARTMENTAL SERVICE:

| | | | |
|---|---|---|---|
| Graduate Committee | Chair | UWT | Wi 2010 |
| Information Technology and Systems Search committee | Chair | UWT | 2010-2011 |
| Lecturer Search Committee | Chair | UWT | 2008-2009 |
| Facilities Committee | Member | UWT | 2008-2009 |
| Graduate Committee | Member | UWT | 2008-2009 |
| Scholarship Committee | Member | UWT | 2008-2009 |
| ACM Faculty Advisor | Advisor | UWT | 2008-2009 |
| New Program Development: Information Technology and Systems Program | Co-Program Proposer | UWT | 2007-2008 |
| Mission and Vision Ad-Hoc Committee | Member | UWT | 2007-2008 |
| Washington State Technology Summit | Institute Representative | UWT | 2007-2008 |
| ITS Hiring Committee | Co-Chair | UWT | 2007-2008 |
| ACM Faculty Advisor | Advisor | UWT | 2007-2008 |
| CSS Graduate Committee | Member | UWT | 2007-2008 |

| | | | |
|---|---|---|---|
| ACM Faculty Advisor | Advisor | UWT | 2006-2007 |
| Washington State Technology Summit | Representative | UWT | 2006-2007 |
| Facilities Committee | Member | RIT | 2005-2006 |
| Hiring Committee | Member | RIT | 2003-2004, 2004-2005 |
| Curriculum Committee | Member | RIT | 2003-2004 |
| Web Committee | Member | RIT | 2002-2003 |
| Colloquium Committee | Member | RIT | 2002-2003, 2003-2004 |
| Graduate Advisor Group | Advisor | RIT | 2003-2004 |
| Honors Committee | Member | RIT | 2003-2004 |
| Graduate Affairs Committee | Member | University at Buffalo | 2000-2001 |
| CSE Graduate Students Association | Chair | University at Buffalo | 2000-2001 |

- Developed a new degree program in Information Technology and Systems at University of Washington Tacoma
- Best short paper award: ACM SIGSPATIAL GIS Conference 2009
- Nominated: University of Washington Tacoma Distinguished Teaching Award 2008-2009.
- Invited Participant: Washington HEC Board Brainstorming session on state of higher education in Washington State, May 2008
- Invited Participant: Microsoft Faculty Summit, July 2008.
- Featured in Tacoma Business Examiner Cover Story on state of technology education in South Puget Sound, March 2008.
- Nominated by RIT for the 2003 Microsoft Outstanding Junior Researcher Award. 2003
- 2001 Sigma-Xi Excellence in Research Award. 2001
- Best Paper Award: "Parallel Algorithms for Training Back-propagating Neural Networks", Ankur M. Teredesai, CSI Annual Conference, 1997.
- Nominated: Virginia Eisenhart Award for Outstanding Junior Faculty 2003 for Teaching Accomplishments.2003
- Nominated: Richard and Virginia Eisenhart Award for Outstanding Teaching as Senior Faculty 2004, and 2005.
- 2004 Ford Foundation Award for Promoting Pluralism and Diversity (Joint RIT nomination with I. Parasnis).

STUDENT ADVISEE/STUDENT ACCOMPLISHMENTS:

- Ashish Bindra (UWT undergraduate advisee) nominated for Gift of Service and Rod Hagenbuch Award 2008.
- M. Ahmad (undergraduate advisee) nominated Outstanding Undergraduate Researcher of the year by CRA in 2005.
- H. Chilukuri (graduate advisee) received Google Women's Scholarship Award 2005. M. Ahmad (UMinn), J. Kang (UMinn), Vineet Chaoji (RPI) and V. Vaingankar (USC) obtained PhD scholarships.

INDUSTRIAL CONSULTING ENGAGEMENTS:

- Thompson West
- Larsen and Toubro Industries (L &T)
- Persistent Software Pvt. Ltd. (PSPL)
- Apollo Data Technologies
- Microsoft Corporation
- Knight-Ridder
- Davai LLC

- nPario LLC

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## COMMUNITY AND NON-PROFIT VOLUNTEER

- Child Rights and You (CRY) – Seattle Region: Help setup CRY as a UW sponsored non-profit, Help organize local events (ongoing)
- ASHA for Education- Seattle Chapter (ongoing)
- White Center Food Bank – Helped setup food inventory processes and databases.
- City of Kirkland – Helped prepare for federal grants and data collection.
- Bruhan Maharashtra Mandal (Chair- Fund Raising Committee)
- Seattle Works – Downtown Seattle neighborhood park restoration project

## RECENT OUTREACH SERVICE AT UNIVERSITY OF WASHINGTON TACOMA

- IBM Cognos seminar, August 2008
- Washington State Technology Summit, April 2008
- International Conference on Weblogs and Social Media, Seattle, WA, April 2008
- Microsoft Office Live, Invited Talk on Social Web Monetization Issues, March 2008
- Google Inc. , Project Demos and Open House, Seattle, March 2008
- Math and Science Leadership MSL Monthly Connections February 2008 Talk on "Got Myspace?" for MSL students
- Tacoma Art Museum, Discussion on Art in the Social Cyberspace, January 2008
- ITS program proposal presentation, Autumn Advisory Board meeting, October 2007
- The Higher Education Coordinating Board (HECB) Olympia visit, Sept 2007
- ITS program presentation, DeCS Planning event, July 2007
- PARC Faculty Workshop for new programs, June 2007
- 2007 The Indus Entrepreneurs (TIE) Seattle chapter annual conference, May 2007
- Stadium High School visit, April 11th 2007
- Tacoma School for the Arts (SOTA) visit, April 2007