

PRABUDDHA DE**Curriculum Vitae****Address***Office*

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Current Research Interests

Heterogeneous Databases; E-Business; Peer-to-Peer Networks; Software Engineering; Applied Operations Research.

Current Teaching Interests

Database Management; Systems Analysis and Design; Telecommunications; Introductory and Core MIS Courses.

Employment

Accenture University Professor of Information Technology, Krannert School of Management, Purdue University, August 2002 – Present.

Sherman-Standard Register Chair in MIS, School of Business Administration, University of Dayton, August 1987 – June 2002 (first person to hold an endowed position in the school; on leave of absence from OSU during August 1987 – June 1989).

Professor of Accounting & MIS, College of Business, The Ohio State University, October 1988 – June 1989 (first person in eighteen years to be promoted to professor in the department).

Associate Professor of Accounting & MIS (with tenure), College of Business, The Ohio State University, October 1983 – September 1988 (received promotion and tenure a year earlier than the normal time for promotion at OSU).

Associate Professor of Computer & Information Science, College of Engineering, The Ohio State University, October 1985 – September 1988 (courtesy appointment).

Visiting Associate Professor of MIS, Graduate School of Management, Cornell University, August 1983 – May 1984 (on leave of absence from OSU).

Assistant Professor of Accounting & MIS, College of Business, The Ohio State University, October 1978 – September 1983.

Education

Ph.D. in Industrial Administration (Systems Science), Carnegie Mellon University, 1979.
G.P.A.: 4.0/4.0.

Dissertation Title: "Essays on Database and Scheduling Systems."

M.S. in Industrial Administration (Systems Science), Carnegie Mellon University, 1977.
G.P.A.: 4.0/4.0.

M.S. in Computer Science, The Pennsylvania State University, 1975.
G.P.A.: 3.9/4.0.

M. Tech. in Radio Physics & Electronics, University of Calcutta, 1971.
Grade: First Class.

B. Tech. in Radio Physics & Electronics, University of Calcutta, 1970.
Grade: First Class.

B.Sc. (Honors) in Physics, University of Calcutta, 1968.
Grade: First Class (graduated at the top of the class, considering all majors offered in the college).

Academic Scholarships

IBM Fellowship in Information Systems, Carnegie Mellon University, September 1977 – August 1978 (first person at CMU and one of the first in the country to receive this fellowship).

William Larimer Mellon Fellowship, Carnegie Mellon University, September 1975 – August 1977.

Teaching Assistantship, The Pennsylvania State University, September 1973 – August 1975.

National Research Fellowship, India, January 1972 – August 1973.

National Merit Scholarship, India, October 1968 – December 1971.

Academic Honors

Fellow, Association for Information Systems (AIS), 2014.

Inaugural Distinguished Fellow, Information Systems Society, Institute for Operations Research & the Management Sciences (INFORMS), 2009.

Recognition as one of the best contributors – in terms of both quality and quantity – to the research literature in Production and Operations Management over the five-year period, 1989 – 1993 (based on a survey published in the *Journal of Operations Management* in 1996).

Alumni Award in Scholarship, University of Dayton, 1992 (first person from the business school to receive this university-wide award).

Nomination for Pace Setter Outstanding Research Award, College of Business, The Ohio State University, 1986, 1985, and 1984.

Dean's Research Professorship, College of Business, The Ohio State University, 1981.

Honorable Mention, National Dissertation Contest of the Decision Sciences Institute, 1979.

Publications

A. *Refereed Journal Articles*

“IT-Enabled Broadcasting in Social Media: An Empirical Study of Artists’ Activities and Music Sales” (with H. Chen and Y. Hu), *Information Systems Research*, 2015, 26 (3), 513-531.

“Wisdom of Crowds: The Value of Stock Opinions Transmitted through Social Media” (with H. Chen, Y. Hu, and B. Hwang), *The Review of Financial Studies*, 2014, 27 (5), 1367-1403.

“Product Oriented Web Technologies and Product Returns: An Exploratory Study” (with Y. Hu and M.S. Rahman), *Information Systems Research*, 2013, 24 (4), 998-1010.

“Continued Participation in Online Innovation Communities: Does Community Response Matter Equally for Everyone?” (with C. Zhang and H. Hahn), *Information Systems Research*, 2013, 24 (4), 1112-1130.

Note: The above paper was selected as the best published paper of 2013 by the Organizational Communication and Information Systems Division of the Academy of Management.

“Self-Organized Formation and Evolution of Peer-to-Peer Networks” (with Y. Li and Y. Tan), *INFORMS Journal on Computing*, 2013, 25 (3), 502-516.

“A Mechanism for Pricing and Resource Allocation in Peer-to-Peer Networks” (with C. Kumar and K. Altinkemer), *Electronic Commerce Research and Applications*, 2011, 10 (1), 26-37.

“Technology Usage and Online Sales: An Empirical Study” (with Y. Hu and M.S. Rahman), *Management Science*, 2010, 56 (11), 1930-1945.

“Donor-to-Nonprofit Online Marketplace” (with Z. Ozdemir, K. Altinkemer, and Y. Ozcelik), *Journal of MIS*, 2010, 27 (2), 213-242.

“Allocating Objects in a Network of Caches: Centralized and Decentralized Analyses” (with M. Tawarmalani and K. Kannan), *Management Science*, 2009, 55 (1), 132-147.

“A Framework for Reconciling Attribute Values from Multiple Data Sources” (with Z. Jiang, S. Sarkar, and D. Dey), *Management Science*, 2007, 53 (12), 1946-1963.

“An Experimental Investigation of Turnover Intentions Among New Entrants in IT” (with R. Agarwal and T. W. Ferratt), *Database for Advances in Information Systems*, 2007, 38 (1), 8-28.

“Toward a Consumer-to-Healthcare Provider (C2H) Electronic Marketplace” (with K. Altinkemer and Z. Ozdemir), *Communications of the AIS*, 2006, 18 (1), 413-430.

“Achieving Success in Large Projects: Implications from a Study of ERP Implementations” (with T. Ferratt and S. Ahire), *Interfaces*, 2006, 36 (5), 458-469.

“Optimal Synchronization Policies for Data Warehouses” (with D. Dey and Z. Zhang), *INFORMS Journal on Computing*, 2006, 18 (2), 229-242.

“A Distance-Based Approach to Entity Reconciliation in Heterogeneous Databases” (with D. Dey and S. Sarkar), *IEEE Transactions on Knowledge & Data Engineering*, 2002, 14 (3), 567-582.

“An Empirical Investigation of Factors Influencing Object-Oriented Database Querying” (with A.P. Sinha and I. Vessey), *Information Technology & Management*, 2001, 2 (1), 71-93.

“On the Usability of Object-Oriented Representations” (with R. Agarwal, A.P. Sinha, and M. Tanniru), *Communications of the ACM*, 2000, 43 (10), 83-89.

“Comprehending Object and Process Models: An Empirical Study” (with R. Agarwal and A.P. Sinha), *IEEE Transactions on Software Engineering*, 1999, 25 (4), 541-556.

“A Probabilistic Decision Model for Entity Matching in Heterogeneous Databases” (with D. Dey and S. Sarkar), *Management Science*, 1998, 44 (10), 1379-1395.

“An Information System Involving Competing Organizations” (with T.W. Ferratt), *Communications of the ACM*, 1998, 41 (12), 90-98.

“Complexity of the Discrete Time-Cost Tradeoff Problem for Project Networks” (with E.J. Dunne, J.B. Ghosh, and C.E. Wells), *Operations Research*, 1997, 45 (2), 302-306.

“Scheduling to Minimize the Coefficient of Variation” (with J.B. Ghosh and C.E. Wells), *International Journal of Production Economics*, 1996, 44 (3), 249-253.

“The Discrete Time-Cost Tradeoff Problem Revisited” (with E.J. Dunne, J.B. Ghosh, and C.E. Wells), *European Journal of Operational Research*, 1995, 81(2), 225-238.

“Solving a Generalized Model for CON Due-Date Assignment and Sequencing” (with J.B. Ghosh and C.E. Wells), *International Journal of Production Economics*, 1994, 34 (2), 179-185.

“Due-Date Assignment and Early/Tardy Scheduling on Identical Parallel Machines” (with J.B. Ghosh and C.E. Wells), *Naval Research Logistics*, 1994, 41 (1), 17-32.

“Job Selection and Sequencing on a Single Machine in a Random Processing Environment” (with J.B. Ghosh and C.E. Wells), *European Journal of Operational Research*, 1993, 70 (3), 425-431.

“A Formal Approach for Designing Distributed Expert Problem-Solving Systems” (with V.S. Jacob and R. Pakath), *Information Systems Research*, 1993, 4 (2), 141-165.

“Delivery Time Quotation and Order Processing with Forbidden Early Shipments” (with J.B. Ghosh and C.E. Wells), *Computers & Operations Research*, 1993, 20 (4), 381-390.

“On the General Solution for a Class of Early/Tardy Problems” (with J.B. Ghosh and C.E. Wells), *Computers & Operations Research*, 1993, 20 (2), 141-149.

“Expectation-Variance Analysis of Job Sequences under Processing Time Uncertainty” (with J.B. Ghosh and C.E. Wells), *International Journal of Production Economics*, 1992, 28 (3), 289-297.

“On the Minimization of Completion Time Variance with a Bi-Criteria Extension” (with J.B. Ghosh and C.E. Wells), *Operations Research*, 1992, 40 (6), 1148-1155.

“On the Solution of a Stochastic Bottleneck Assignment Problem and its Variations” (with J.B. Ghosh and C.E. Wells), *Naval Research Logistics*, 1992, 39 (3), 389-397.

“Heuristic Estimation of the Efficient Frontier for a Bi-Criteria Scheduling Problem” (with J.B. Ghosh and C.E. Wells), *Decision Sciences*, 1992, 23 (3), 596-609.

“Optimal Due-Date Assignment and Sequencing” (with J.B. Ghosh and C.E. Wells), *European Journal of Operational Research*, 1992, 57 (3), 323-331.

“Some Clarifications on the Bi-Criteria Scheduling of Unit Execution Time Jobs on a Single Machine” (with J.B. Ghosh and C.E. Wells), *Computers & Operations Research*, 1991, 18 (8), 717-720.

“Coordinating New Product Development and Delivery” (with J.B. Ghosh and C.E. Wells), *International Journal of Production Economics*, 1991, 22 (1), 53-58.

“Scheduling to Minimize Weighted Earliness and Tardiness about a Common Due Date” (with J.B. Ghosh and C.E. Wells), *Computers & Operations Research*, 1991, 18 (5), 465-475.

“On the Minimization of the Weighted Number of Tardy Jobs with Random Processing Times and Deadline” (with J.B. Ghosh and C.E. Wells), *Computers & Operations Research*, 1991, 18 (5), 457-463.

“On the Multiple Machine Extension to a Common Due-Date Assignment and Scheduling Problem” (with J.B. Ghosh and C.E. Wells), *Journal of the Operational Research Society*, 1991, 42 (5), 419-422.

“Optimal Delivery Time Quotation and Order Sequencing” (with J.B. Ghosh and C. E. Wells), *Decision Sciences*, 1991, 22 (2), 379-390.

“CON Due Date Determination and Sequencing” (with J.B. Ghosh and C.E. Wells), *Computers & Operations Research*, 1990, 17 (4), 333-342.

“Optimal Reorganization Policies for Stationary and Evolutionary Databases” (with J. Park, R. Bartoszyński and H. Pirkul), *Management Science*, 1990, 36 (5), 613-631.

“Scheduling about a Common Due Date with Earliness and Tardiness Penalties” (with J.B. Ghosh and C.E. Wells), *Computers & Operations Research*, 1990, 17 (2), 231-241.

“A Note on the Minimization of Mean Squared Deviation of Completion Times about a Common Due Date” (with J.B. Ghosh and C.E. Wells), *Management Science*, 1989, 35 (9), 1143-1147.

“Applying Machine Learning to Model Management in Decision Support Systems” (with M.J. Shaw and P. Tu), *Decision Support Systems*, 1988, 4 (3), 285-305.

“Semantic Modeling of Internal Controls in Database Design” (with A. Sen), *Journal of MIS*, 1988, 5 (5), 39-56.

“Route Selection in Backbone Data Communication Networks” (with S. Narasimhan and H. Pirkul), *Computer Networks & ISDN Systems*, 1988, 15 (2), 121-133.

“Locating Concentrators for Primary and Secondary Coverage in a Computer Communications Network” (with H. Pirkul and S. Narasimhan), *IEEE Transactions on Communications*, 1988, 36 (4), 450-458.

“An Integrated Model of Record Segmentation and Access Path Selection for Databases” (with J. Park and H. Pirkul), *Information Systems*, 1988, 13 (1), 13-30.

“A Review of the Computer Information Systems Research Related to Accounting and Auditing” (with T. Amer and A.D. Bailey), *Journal of Information Systems*, 1987, 2 (1), 3-28.

“Firm Expansion Through Franchising: A Model and Solution Procedures” (with H. Pirkul and S. Narasimhan), *Decision Sciences*, 1987, 18 (4), 631-645.

“Artificial Intelligence, Cognitive Science and Computational Modeling in Auditing Research: A Research Approach and Survey of Concepts” (with A.D. Bailey, K. Hackenbrack and J.F. Dillard), *Journal of Information Systems*, 1987, 1 (2), 20-40.

Note: The above paper later appeared as the lead article in a book entitled *Artificial Intelligence in Accounting & Auditing: The Use of Expert Systems*, M.A. Vasarhelyi (ed.), Markus Wiener Publishing, 1989.

“Adaptive Information Systems Control: A Reliability-Based Approach” (with C. Hsu), *Journal of MIS*, 1986, 3 (2), 33-51.

“A New Methodology for Database Requirement Analysis” (with A. Sen), *MIS Quarterly*, 1984, 8 (3), 179-193.

“An Integrated Database Design for Accounting Systems” (with W.D. Haseman), *Information Processing & Management* (formerly, *Information Storage & Retrieval*), 1984, 20 (4), 507-518.

“Database Design for Decision Support Systems: A Medical Example” (with J. Fedorowicz, M. Golibersuch, and W.D. Haseman), *Policy Analysis & Information Systems*, 1982, 6 (4), 325-349.

“An Extended Model for Database Implementation” (with W.D. Haseman and C.H. Kriebel), *Information Systems*, 1982, 7 (2), 139-145.

“Formalizing Users' View Modeling in a Database Using Semantic Nets” (with A. Sen), *Journal of Information Science*, 1982, 4 (1), 19-31.

“Knowledge Representation of a Database by a Semantic Network” (with A. Sen), *Policy Analysis & Information Systems*, 1982, 6 (1), 25-45.

“Scheduling to Minimize Maximum Lateness on Unequal Parallel Processors” (with T.E. Morton), *Computers & Operations Research*, 1982, 9 (3), 221-232.

“A New Model for Database Abstraction” (with A. Sen and E. Gudes), *Information Systems*, 1982, 7 (1), 1-12.

“Four-Schema Approach: An Extended Model for Database Architecture” (with W.D. Haseman and Y.H. So), *Information Systems*, 1981, 6 (2), 117-124.

“Logical Database Design in Decision Support Systems” (with A. Sen), *Journal of Systems Management*, 1981, 32 (5), 28-33.

“Scheduling to Minimize Makespan on Unequal Parallel Processors” (with T.E. Morton), *Decision Sciences*, 1980, 11 (4), 586-602.

“Toward an Optimal Design of a Network Database from Relational Descriptions” (with W.D. Haseman and C.H. Kriebel), *Operations Research*, 1978, 26 (5), 805-823.

“Minimal Realization of Arbitrary Switching Functions with 2-Level Networks of Isodistinct and Isobaric Threshold Gates” (with A. Pal, A. Sen, D. Sarma and A.K. Choudhury), *International Journal of Systems Science*, 1974, 5 (6), 555-573.

“A Self-Repairable Threshold Cellular Array” (with S. Bandyopadhyay, A. Sen, D. Sarma and A.K. Choudhury), *International Journal of Electronics*, 1974, 37 (6), 727-734.

“A Tabular Method for Finding 2-Summable and Mutually 2-Summable Pairs of Minterms” (with A. Pal, A. Sen, D. Sarma and A.K. Choudhury), *International Journal of Electronics*, 1974, 37 (3), 408-427.

“A Generalized Cellular Array for Digital Communication” (with S. Bandyopadhyay, A. Sen and A.K. Choudhury), *Journal of the Institute of Electronics & Telecommunication Engineers*, 1973, 19 (7), 372-377.

B. Refereed Articles in Conference Proceedings / E-Library

“Customers as Advisors: The Role of Social Media in Financial Markets” (with H. Chen, Y. Hu, and B. Hwang), *E-Library for INFORMS Conference on Information Systems & Technology*, 2013, Minneapolis, MN

“The Impact of Depth and/or Breadth of Experience in Software Development Productivity” (with K. Kang and J. Hahn), *E-Library for Academy of Management Annual Meeting*, 2012, Boston, MA.

“The Value of Being Social: How Bloggers Attract Followers” (with H. Chen and Y. Hu), *E-Library for Symposium on Statistical Challenges in Electronic Commerce Research*, 2012, Montreal, Canada.

“IT-Enabled Broadcasting in Social Media: An Empirical Study of Artists’ Activities and Music Sales” (with H. Chen and Y. Hu), *E-Library for Workshop on Information Systems & Economics (WISE)*, 2011, Shanghai, China.

“Sentiment Revealed through Social Media and Its Effect on the Stock Market” (with H. Chen, Y. Hu, and B. Hwang), *E-Library for IEEE Statistical Signal Processing Workshop*, 2011, Nice, France.

“An Empirical Investigation of the Effects of Advanced Web Technologies on Product Returns” (with Y. Hu and M.S. Rahman), *E-Library for Workshop on Information Systems & Economics*, 2010, St. Louis, MO.

“Broadcasting in Online Social Networks: An Empirical Study of Artists’ Activities and Music Sales” (with H. Chen and Y. Hu), *E-Library for INFORMS Conference on Information Systems & Technology*, 2010, Austin, TX.

“Product Returns: An Empirical Investigation of the Effects of Advanced Web Technologies” (with Y. Hu and M.S. Rahman), *E-Library for INFORMS Conference on Information Systems & Technology*, 2010, Austin, TX.

“Broadcasting on Online Social Networks: A Statistical Analysis of Music Sales and Artists’ Activities” (with H. Chen and Y. Hu), *E-Library for Symposium on Statistical Challenges in Electronic Commerce Research*, 2010, Austin, TX.

“The Impact of Technology Usage on Consumer Demand” (with Y. Hu and M. S. Rahman), *E-Library for Workshop on Information Systems and Economics*, 2007, Montreal, Canada.

“Fund Raising and the Internet” (with K. Altinkemer, Y. Ozcelik, and Z. Ozdemir). *E-Library for Americas Conference on Information Systems*, 2007, Keystone, CO.

“A Pricing and Allocation Mechanism for Peer-to-Peer Networks,” (with K. Altinkemer, C. Kumar, and K. Kannan), *E-Library for Workshop on Information Systems & Economics*, 2005, Irvine, CA.

“A Mechanism for Allocating Objects in a Network of Symmetric Caches” (with M. Tawarmalani and K. Kannan) *Proceedings of Workshop on Information Technologies & Systems*, 2005, Las Vegas, NV, 249-254.

Note: The above paper received the best paper award at the workshop.

“Reconciling Attribute Values from Multiple Data Sources” (with Z. Jiang, S. Sarkar, and D. Dey), *Proceedings of International Conference on Information Systems*, 2004, Washington, DC, 725-739.

“On the Formation of Peer-to-Peer Networks: Self-Organized Sharing and Groups” (with Y. Li and Y. Tan), *Proceedings of International Conference on Information Systems*, 2004, Washington, DC, 493-503.

“Pricing in Peer-to-Peer Networks: Content Provision and Search Intermediary” (with Y. Li and Y. Tan), *Proceedings of Workshop on Information Technologies & Systems*, 2004, Washington, DC, 194-199.

“Donor to Organization (D2O) Marketplace” (with K. Altinkemer and Y. Ozcelik), *Proceedings of INFORMS Telecommunications Conference*, 2004, Boca Raton, 233-235.

“Patient to Doctor (P2D) Marketplace” (with K. Altinkemer and Z. Ozdemir), *Proceedings of INFORMS Telecommunications Conference*, 2004, Boca Raton, FL, 225-227.

“Explaining an IT Professional’s Preferred Employment Duration: Empirical Tests of a Causal Model of Antecedents” (with R. Agarwal and T.W. Ferratt), *Proceedings of ACM SIGCPR Conference*, 2002, Kristiansand, Norway, 14-24.

“How Long Will They Stay? Predicting an IT Professional’s Preferred Employment Duration” (with R. Agarwal and T.W. Ferratt), *Proceedings of ACM SIGCPR Conference*, 2001, San Diego, CA, 132-138.

“Identifying Predictive Attributes for Entity Matching in Heterogeneous Databases” (with D. Dey and S. Sarkar), *Proceedings of INFORMS Conference on Information Systems & Technology*, 1998, Montreal, Canada, 294-298.

“Factors Influencing Object-Oriented Database Querying” (with A.P. Sinha and I. Vessey), *Proceedings of INFORMS Conference on Information Systems & Technology*, 1998, Montreal, Canada, 289-293.

“An Interorganizational Information System in the Health Care Arena: Insights Gained from a Hierarchical Analysis” (with T. W. Ferratt), *Proceedings of ACM SIGCPR Conference*, 1998, Boston, MA, 214-223.

“Entity Matching in Heterogeneous Databases: A Distance Function-Based Decision Model” (with D. Dey and S. Sarkar), *Proceedings of 31st Hawaii International Conference on System Sciences*, 1998, Kohala Coast, HI, 305-313.

“Cooperative Distributed Problem Solving: An Investigation in the Domain of Jobshop Scheduling” (with R. Agarwal and C.E. Wells), *Proceedings of 28th Hawaii International Conference on System Sciences*, 1995, Maui, HI, 4-12.

“Single Machine Scheduling under Delivery Commitment: Heuristic Solution and Performance Bound” (with J.B. Ghosh and C.E. Wells), *Proceedings of DSI National Meeting*, 1991, Miami Beach, FL, 1516.

“Sensitivity Analysis of Optimal Schedules under Uncertainty” (with J.B. Ghosh and C.E. Wells), *Proceedings of DSI National Meeting*, 1990, San Diego, CA, 764-766.

“Performance Evaluation of a Beam Search Strategy for a Machine Scheduling Problem” (with J.B. Ghosh and C.E. Wells), *Proceedings of DSI National Meeting*, 1989, New Orleans, LA, 904-907.

“Variance Minimizing Schedules: Heuristic Solution and Lower Bound for Performance Evaluation” (with J.B. Ghosh and C.E. Wells), *Proceedings of DSI National Meeting*, 1988, Las Vegas, NV, 1032-1034.

“Information Systems Evolution Through Users' Feedback” (with C. Hsu), *Proceedings of 18th Hawaii International Conference on System Sciences*, 1985, Honolulu, HI, 661-669.

“A Conceptual Design for Management Decision Support: A Knowledge Base Approach” (with A. Sen), *Proceedings of DSI National Meeting*, 1983, San Antonio, TX, 215-218.

“Information Systems for Divergent Business Units” (with S. Shen and R.G. Stephens), *Proceedings of 16th Hawaii International Conference on System Sciences*, 1983, Honolulu, HI, 649-654.

“Data Requirement Planning for an MIS: An Activity Oriented Approach” (with A. Sen), *Proceedings of 15th Hawaii International Conference on System Sciences*, 1982, Honolulu, HI, 874-879.

“Physical Database Design” (with W.D. Haseman and M.E. Posner), *Proceedings of 15th Hawaii International Conference on System Sciences*, 1982, Honolulu, HI, 62-68.

“Modeling the Implementation Process for a Network Database” (with W.D. Haseman and C.H. Kriebel), *Proceedings of DSI National Meeting*, 1981, Boston, MA, 176-178.

“An Extended Entity-Relationship Model with Multi-Level External Views” (with A. Sen and E. Gudes), *Proceedings of 2nd International Conference on Entity-Relationship Approach*, 1981, Washington, DC, 459-477.

Note: The above paper later appeared in a book entitled *Entity-Relationship Approach to Information Modeling and Analysis*, 1983, P. P. Chen (ed.), North-Holland.

“A Formal Procedure for Requirement Analysis in Database Design” (with A. Sen), *Proceedings of 14th Hawaii International Conference on System Sciences*, 1981, Honolulu, HI, 127-136.

“Design of an Integrated Medical Database” (with W.D. Haseman), *Proceedings of International Congress on Applied Systems Research & Cybernetics*, 1980, Acapulco, Mexico, 2157-2161.

Note: The above paper later appeared in a book entitled *Applied Systems Research & Cybernetics*, 1981, G.E. Lasker (ed.), Pergamon Press.

“Design of Self-Repairing and Adaptive Large Scale Integrated Digital Systems” (with S. Bandyopadhyay, A. Sen and A.K. Choudhury), *Proceedings of National Systems Conference*, 1973, Bangalore, India, 83-86.

C. Unrefereed Articles

“Do All Product-Oriented Web Technologies Reduce Product Returns?” (with Y. Hu and M.S. Rahman), *ISB Insight*, 2012, 10 (1), 37-40 (invited article).

“A Treatise on Normal Forms in a Relational Database” *Modeling & Simulation*, 1982, 13, 565-569.

“Approaches to the Determination of Physical Database Implementations” (with W. D. Haseman), *Modeling & Simulation*, 1981, 12, 1401-1406.

“Testing the Event-State Model for Data Requirement Analysis” (with A. Sen), *Modeling & Simulation*, 1981, 12, 1387-1392.

D. Articles under Review

“Concierge Model: The New Way of Serving Retail Consumers When So Much Information is Around” (with Y. Hu and M. S. Rahman).

“Learning Effects of Domain and Technology Knowledge in Information Systems Development: An Empirical Study” (with K. Kang and J. Hahn).

“Operational Quality of Service and Pricing in Peer-to-Peer Content Delivery Networks” (with Y. Li, Y. Tan, and L. Hao).

Editorship of Conference Proceedings

Editor, *Proceedings of International Conference on Information Systems*, Charlotte, NC, 1999.

Co-Editor, *Proceedings of Workshop on Information Technologies & Systems*, Vancouver, Canada, 1994.

Research Grants

Purdue Research foundation Grant (with K. Kang), Purdue University, August 2009 – July 2010.

Purdue Research Foundation Grant (with C. Kumar), Purdue University, August 2004 – July 2005.

United States Air Force Grant (with R. Agarwal, J.B. Ghosh, and C.E. Wells), May 1992 – August 1992.

Ohio Board of Regents Research Challenge Grant (with J.B. Ghosh and C.E. Wells), July 1988 – December 1989.

Peat, Marwick, Mitchell Foundation Grant (with J.F. Dillard), July 1985 – December 1987.

Seed Money Grant, College of Business, The Ohio State University, July 1985 – June 1987.

National Science Foundation Grant (with W.D. Haseman), August 1980 – June 1983.

National Science Foundation Grant (with W.D. Haseman), November 1979 – June 1980.

Seed Money Grant, College of Business, The Ohio State University, January 1979 – December 1980.

University Small Research Grant, Graduate School, The Ohio State University, Summer Quarter, 1979.

Recent Research Presentations at Other Universities

I have made invited research presentations at a number of universities. The following are the ones where I have presented since 2000: Arizona State University, Carnegie Mellon University (multiple times), City University of Hong Kong, Georgia Institute of Technology, Indian Institute of Management (multiple times), Indian School of Business, Indiana University, Michigan State University, Ohio State University, National University of Singapore, Temple University, Tsinghua University, University of Alberta, University of Florida, University of Maryland, University of North Carolina, University of Texas at Austin, University of Texas at Dallas, University of Washington (multiple times), and University of Wisconsin.

Teaching

I have taught many required and elective courses at both undergraduate and graduate levels. I have also developed a number of new courses. Student feedback on my teaching has always been quite positive, and I have received special recognition for excellence in both undergraduate and graduate teaching.

Sample of University Service

At every university where I have served on the faculty, I have played a significant role in many major endeavors, including the following ones. I have also led/chaired a number of these endeavors.

A. *Purdue University*

MIS Area Head, August 2013 – July 2014.

MIS Area Co-Head, August 2015 – Present.

Coordinator, MIS Distinguished Speakers Series, August 2002 – Present.

MIS Faculty Recruiting, August 2012 – May 2014; August 2002 – May 2005.

Other Key Activities Related to MIS, e.g., Mentoring of Faculty and Doctoral Students, Selection and Progress Assessment of Doctoral Students, Curriculum Changes, Planning for the Future, etc., August 2002 – Present.

Faculty Advisor, Business, Technology, and Entrepreneurship (ByTE) Club, April 2014 – June 2015.

Management Policy Committee of the School: August 2014 – July 2015; August 2002 – July 2013.

Management Executive Committee of the School, August 2008 – July 2009.

Strategy & Structure Task Force of the School, August 2006 – May 2007.

Dean Selection Committee of the School, February 2015 – May 2015.

Executive Programs Review Committee of the School: August 2009 – December 2011; August 2007 – June 2008.

Master's Programs Review Committee of the School, May 2003 – May 2004.

International Advisory Committee of the School, October 2005 – May 2006.

Ph.D. Funding Committee of the School, August 2002 – December 2002.

Summer Support Task Force of the School, April 2014 – June 2014.

MBA Admissions Committee of the School, November 2005 – June 2007.

Grievance Committee of the School: August 2006 – May 2010; August 2003 – May 2005.

Search Committee for a Named Professorship in Finance, September 2005 – April 2006.

Search Committee for a Named Professorship in Operations Management, August 2003 – October 2004.

Past-Tenure Review Task Force of the University, February 2015 – Present.

IT Executive Steering Committee of the University, January 2003 – December 2007.

University Nomination Panel for a Named Professorship in Management, May 2003.

University Nomination Panel for a Named Professorship in Electrical Engineering, July 2002.

B. *University of Dayton*

Distinguished Speakers Series of the Department, August 1987 – June 2002.

Search Committee for Chair of the Department, August 1994 – May 1995.

Ph.D. Program Planning Committee of the Department, August 1990 – May 1992.

Faculty Search Committee of the Department: August 1997 – June 2002; August 1987 – May 1991.

Promotion, Tenure, & Faculty Review Committee of the School: August 2001 – June 2002; August 1996 – May 2000.

Faculty Development Committee of the School, August 1995 – May 1996.

Graduate Committee of the School, August 1990 – May 1995.

Faculty Research Advisory Committee of the School, January 1992 – December 1993.

Library Committee of the University, August 1993 – May 1995.

Academic Senate of the University: August 1994 – December 1994; August 1992 – December 1992.

Program Review Committee of the University, March 1988 – August 1988.

C. Ohio State University

MIS Committee of the Department and Related Task Forces, September 1982 – August 1987.
Graduate Studies Committee of the Department, September 1985 – August 1987.

Recruiting Committee of the Department, July 1980 – June 1987.

Promotion & Tenure Review Committee of the Department, May 1984 – October 1986.

Curriculum Committee of the Department, September 1981 – August 1985.

Computer & Information Systems Coordinating Committee of the College, September 1979 – August 1987.

Graduate Education Committee of the College, September 1985 – August 1987.

IBM Proposal Committee of the College, June 1984 – January 1985.

Joint Advisory Committee of the College and the Department of Computer & Information Science, College of Engineering, May 1980 – August 1986.

Search Committee for Chair of the Department of Computer & Information Science, College of Engineering, August 1984 – May 1985.

Sample of Professional Service

Advisory Board Member, *Information Technology & Management*, 1997 – Present; *Information Technology & Systems Abstracts*, 2005 – Present; *Information Systems Frontiers*, 2010 – Present; *Financial Innovation*, 2014 – Present; *Information Systems Research*, 1998 – 2006.

Co-Editor-in-Chief, *Journal of Electronic Commerce Research*, 2013 – Present.

Senior Editor, *International Journal of Business & Information*, 2004 – Present.

Associate Editor: *Decision Support Systems*, 1992 – 2015; *Management Science*, 1995 – 2008; *Information Systems Research*, 1991 – 1998; *Decision Sciences*, 1993 – 1999.

Editorial Board Member: *Journal of MIS*, 1988 – Present; *Information Systems Frontiers*, 1998 – 2009; *Journal of Information Systems*, 1986 – 1992; *Issues in Accounting Education*, 1987 – 1989.

President, Workshop on Information Technologies & Systems, 1998 – 2000.

Advisor, Workshop on Information Technologies & Systems: 2014 – Present; 2001 – 2004.

Chair, Information Systems College (now Society), Institute for Operations Research & the Management Sciences, 1990 – 1993.

Program Chair, International Conference on Information Systems, Charlotte, NC, 1999.

Workshop & Program Co-Chair, Workshop on Information Technologies & Systems, Vancouver, Canada, 1994.

Cluster Chair for Information Systems, National Meeting, Institute for Operations Research & the Management Sciences: Nashville, TN, Spring 1991; Philadelphia, PA, Fall 1990; Las Vegas, NV, Spring 1990.

Co-Chair, Dissertation Competition, International Conference on Information Systems, Montreal, Canada, 2007.

Co-Chair, Doctoral Consortium, International Conference on Information Systems, Milwaukee, WI, 2006.

Chair, Best Paper & Best Student Paper Selection Committee, Conference on Information Systems & Technology, Institute for Operations Research & the Management Sciences, Charlotte, NC, 2011.

Chair, Best Paper Selection Committee, Conference on Information Systems & Technology, Institute for Operations Research & the Management Sciences, Miami Beach, FL, 2001.

Chair, Best Prototype Selection Committee, Workshop on Information Technologies & Systems, Phoenix, AZ, 2009.

Mentor and Keynote Speaker, Workshop on Research Methodologies & Discipline Development, China Association for Information Systems, Hefei, China, 2006.

Faculty Mentor, Doctoral Consortium, International Conference on Information Systems: Las Vegas, NV, 2005; Dallas, TX, 1992.

Faculty Mentor, Doctoral Consortium, National Meeting, Decision Sciences Institute, Honolulu, HI, 1994.

Faculty Mentor, New Faculty Consortium, American Accounting Association, St. Charles, IL, 1988.

Member, Selection Committee for Editor-in-Chief of *Information Systems Research*, 2010.

Member, Selection Committee for Distinguished Fellows of Information Systems Society, Institute for Operations Research & the Management Sciences, 2011 – 2012.

Member, Selection Committee for Nunamaker-Chen Dissertation Award, Information Systems Society, Institute for Operations Research & the Management Sciences, 2013 – 2014.

Member, Selection Committee for Dissertation Proposal Award, Workshop on Information Technologies & Systems, 2015.

Member, Board of Directors, Workshop on Information Technologies & Systems: 2014 – Present; 1998 – 2004; 1993 – 1996.

Member, Advisory Committee, China Summer Workshop on Information Management: Dalian, 2016; Hefei, 2015; Chengdu, 2014; Tianjin, 2013; Beijing, 2012; Guangzhou, 2009; Kunming, 2008; Shanghai, 2007.

Member, Advisory Board, International Conference on Information Technology, Systems, and Management, Kozhikode, India, 2011.

Member, Advisory Committee, Conference on Information Systems & Technology, Institute for Operations Research & the Management Sciences, 1995 – 2000.

Member, Executive Committee, International Conference on Information Systems: 2005 – 2007; 1997 – 2000; 1993 – 1995.

Member, Nominating Committee, College (now, Society) of Information Systems, Institute for Operations Research & the Management Sciences, 1993 – 1997.

Member, Screening Committee, Notable Contributions to Accounting Literature Award, American Accounting Association, 1988.

Member, Best Paper Selection Committee, International Conference on Information Systems, New Orleans, LA, 2001.

Member, Best Paper Selection Committee, Workshop on Information Technologies & Systems, Barcelona, Spain, 2002.

Member, Best Paper & Best Student Paper Selection Committee, Conference of Information Systems & Technology, Institute for Operations Research & the Management Sciences: Minneapolis, 2013; Charlotte, 2011.

Member, Program Committee, International Symposium of Information Systems, Indian School of Business, Hyderabad, India, 2006 – 2014.

Member, Program Committee, Workshop on Information Technologies & Systems: Phoenix, AZ, 2009; Atlanta, GA, 1997; Cleveland, OH, 1996; Amsterdam, Holland, 1995; Orlando, FL, 1993; Dallas, TX, 1992; Cambridge, MA, 1991.

Member, Program Committee, International Conference on Information Systems: New Orleans, LA, 2001; Helsinki, Finland, 1998; Atlanta, GA, 1997; Copenhagen, Denmark, 1990; Boston, MA, 1989; Pittsburgh, PA, 1987.

Member, Program Committee, Conference on Information Systems & Technology, Institute for Operations Research & the Management Sciences: San Diego, CA, 1997; Washington, DC, 1996.

Member, Program Committee, 16th International Conference on Conceptual Modeling (Entity-Relationship Approach), Los Angeles, CA, 1997.

Member, Program Committee, 3rd International Conference, International Society for Decision Support Systems, Kowloon, Hong Kong, 1995.

Member, Program Committee, International Conference on Information Systems & Management of Data, Bombay, India, 1995.

External Reviewer for Promotion and Tenure Decisions at a Number of Major Universities, 1983 – Present.