

Ram Pakath

Professor

Department of Finance and Quantitative Methods Gatton College of
Business and Economics University of Kentucky

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(December 16, 2020)

EDUCATION

Doctor of Philosophy, Management (Management Information Systems Concentration), Purdue University, August 1988.

Master of Science in Engineering, Operations Research and Industrial Engineering, The University of Texas at Austin, May 1984.

Master of Business Administration, University of Madras, April 1981.

Bachelor of Engineering, Mechanical Engineering, Bangalore University, July 1979.

CONTINUING EDUCATION

Workshop Attendee – INFORMS Continuing Education Two-Day Workshop on “Essential Practice Skills for High Impact Analytics Projects,” Washington DC September 2019.

MOOC Classes and Independent Study (2018-Present): Tableau; Python; Machine Learning; Natural Language Processing

Certificate of Completion - Interactive Data Visualization, 4-week online course, Statistics.com, February-March 2017.

Certificate of Completion - Text Mining, 4-week online course, Statistics.com, July 2010.

Workshop Attendee: Applied Analytics Using SAS Enterprise Miner 5.2, SAS Institute, Cary, N.C., July 22-25, 2008.

Workshop Attendee: SAS Programming Essentials for Educators I Workshop, SAS Institute, Cary NC, July 21, 2008.

RESEARCH

Interests:

Analytics, Adaptive Systems.

Dissertations:

Pakath, R. (1988). *Information Acquisition for Model Construction: An Integrative, Decision-theoretic Perspective*. West Lafayette, Indiana, USA: Purdue University.

Pakath, R. (1984). *Optimal In-Process Inventory for a Multistage Manufacturing System with Stage Failures and Non-zero Repair Times*. Austin, Texas, USA: The University of Texas at Austin.

Research Reports:

- Pakath, R. (1981). *Appraising an Industrial Market: Scope for a New Industrial Consumable*. Chennai, Tamil Nadu, India: University of Madras.
- Pakath, R. (1980). *Commercial Vehicles in India - A Study of the Potential for the Future (A Macro Perspective)*. Chennai, Tamil Nadu, India: University of Madras.

Technical Reports:

- Pakath, R. et al. (1979). *1.5 Tonnes Pneumatic Power Press: Design and Fabrication*. Bangalore, Karnataka, India: Bangalore University.

Academic Journal Publications:

- Lee-Post, A and Pakath, R. (2019). Numerical, Secondary Big Data Quality Issues, Quality Threshold Establishment, & Guidelines for Journal Policy Development. *Decision Support Systems and Electronic Commerce*, 126, 1-5 (article 113135).
- Holsapple, C., Hsiao, S.-H., Pakath, R. (2018). Business Social Media Analytics: Characterization and Conceptual Framework. *Decision Support Systems and Electronic Commerce*, 110, 32-45.
- Pakath, R. (2015). Competing on the Cloud: A Review and Synthesis of Potential Benefits & Possible Pitfalls. *J. of Organizational Computing and Electronic Commerce*, 25(1), 1-27.
- Holsapple, C. W., Lee-Post, A., Pakath, R. (2014). A Unified Foundation for Business Analytics. *Decision Support Systems*, 64, 130-141.
- Gaines, D. A., Pakath, R. (2013). An Examination of Evolved Behavior in Two Reinforcement Learning Systems. *Decision Support Systems*, 55(1), 184-205.
- Marsden, J. R., Pakath, R., Wibowo, K. (2006). Decision Making Under Time Pressure with Different Information Sources and Performance Based Financial Incentives - Part III. *Decision Support Systems*, 42(1), 186-203.
- Holsapple, C., Pakath, R., Sasidharan, S. (2005). A Website Interface Design Framework for the Cognitively Impaired: A Study in the Context of Alzheimer's Disease. *Journal of Electronic Commerce Research*, 6(4), 291-303.
- Aminilari, M., Pakath, R. (2005). Searching for Information in a Time-pressured Setting: Experiences with a Text-based and an Image-based Decision Support System. *Decision Support Systems*, 41(1), 37-68.
- Marsden, J. R., Pakath, R., Wibowo, K. (2002). Decision Making Under Time Pressure with Different Information Sources and Performance Based Financial Incentives - Part I. *Decision Support Systems*, 34(1), 75-97.
- Marsden, J. R., Pakath, R., Wibowo, K. (2002). Decision Making Under Time Pressure with Different Information Sources and Performance Based Financial Incentives - Part II. *Decision Support Systems*, 34(1), 99-124.
- Meng, C. L., Pakath, R. (2001). The Iterated Prisoner's Dilemma: Early Experiences with Learning Classifier System-based Simple Agents. *Decision Support Systems*, 31(4), 379-403.
- Mirchandani, D., Pakath, R. (1999). Four Models for a Decision Support System. *Information and Management*, 35(1), 31-42.
- Pakath, R., Zaveri, J. S. (1995). Specifying Critical Inputs in a Genetic Algorithm-driven Decision Support System: An Automated Facility. *Decision Sciences (Journal of)*, 26(6), 749-779.
- De, P., Jacob, V. S., Pakath, R. (1993). A Formal Approach for Designing Distributed Expert Problem-solving Systems. *Information Systems Research*, 4(2), 141-165.
- Holsapple, C., Jacob, V. S., Pakath, R., Zaveri, J. S. (1993). A Genetics-based Hybrid Scheduler for Generating Static Schedules in Flexible Manufacturing Contexts. *IEEE Transactions on*

- Systems, Man and Cybernetics*, 23(4), 953-972.
- Pakath, R. (1993). Genetics-based Machine Learning: A Promising Tool for Developing Business Computing Systems? *Journal of Computer Information Systems*, 33(4), 2-7.
- Holsapple, C., Jacob, V. S., Pakath, R., Zaveri, J. S. (1993). Learning by Problem Processors: Adaptive Decision Support Systems. *Decision Support Systems*, 10(2), 85-108.
- Balakrishnan, A., Moore, J. C., Pakath, R., Whinston, A. B. (1991). Information Tradeoffs in Model Building: A Network Routing Application. *Computational Economics (formerly: Computer Science in Economics and Management)*, 4(3), 201-227.
- Pakath, R., Rao, H. R. (1991). Module Base Design for a Portfolio of Institutional Decision Support Systems. *Information and Management*, 20(4), 265-278.
- Jensen, P. A., Pakath, R., Wilson, J. R. (1991). Optimal Buffer Inventories for Multistage Production Systems with Failures. *European Journal of Operational Research*, 51(3), 313-326.
- Jacob, V. S., Pakath, R. (1991). The Roles of Computerized Support Systems: A Decision Subprocess-based Analysis. *Behaviour and Information Technology*, 10(3), 231-252. (Jacob, V. S., Pakath, R. (1991). *Erratum: The Roles of Computerized Support Systems: A Decision Subprocess-based Analysis* (6th ed., vol. 10, pp. 545). Behaviour and Information Technology.)

Peer-reviewed Book Chapters:

- Lee-Post, A., Pakath, R. (2014). Cloud Computing: A Comprehensive Introduction. In Dr. S. Srinivasan (Ed.), *Security, Trust, and Regulatory Aspects of Cloud Computing in Business Environments* (pp. 1-23). Hershey, Pennsylvania: IGI Global.
- Holsapple, C. W., Jacob, V. S., Pakath, R., Zaveri, J. S. (2008). In F. Burstein and C. W. Holsapple (Ed.), *Adaptive Decision Support Systems via Problem Processor Learning* (vol. Handbook on Decision Support Systems 1 - Basic Themes, pp. 659-696). Berlin Heidelberg: Springer-Verlag.
- Benamati, J. H., Pakath, R. (1997). Mis-managing a Technology Project: The Case of ABC Inc. In J. Liebowitz and M. Khosrowpour (Ed.), *Cases on Information Technology Management in Modern Organizations* (pp. 156-167). Harrisburg, PA: Idea Group Publishing.
- Marsden, J. R., Pakath, R., Wibowo, K. (1997). The Impacts of Alternate Information Presentation Approaches upon Task Performance in a Task Support System: Experiments and Analyses in a Team Decision-making Setting. In V. W. S. Chow (Ed.), *Multimedia Technology and Applications* (pp. 221-229). Singapore: Springer-Verlag.
- Pakath, R. (1996). Machine Learning. In C. W. Holsapple and A. B. Whinston (Ed.), *Decision Support Systems: A Knowledge-based Approach* (pp. A41 - A47). St. Paul, MN: West Publishing.
- Pakath, R. (1994). Machine Learning and the Genetic Algorithm Strategy. In C. W. Holsapple, V. S. Jacob and A. B. Whinston (Ed.), *Operations Research and Artificial Intelligence* (pp. 167-184). Norwood, NJ: Ablex Publishing.
- Pakath, R. (1994). Neural Networks: Concepts, Learning, and Applications. In C. W. Holsapple, V. S. Jacob and A. B. Whinston (Ed.), *Operations Research and Artificial Intelligence* (pp. 185-197). Norwood, NJ: Ablex Publishing.
- Dos-Santos, B., Holsapple, C., Pakath, R., Whinston, A. B. (1992). Tools for Building Information Systems. In G. Salvendy (Ed.), *Handbook of Industrial Engineering* (Second Edition), (pp. 69- 107). New York, NY: John Wiley.
- Holsapple, C., Johnson, L. E., Pakath, R. (1991). Model Management: Concepts, Challenges and Opportunities. In E. J. Szewczak and C. R. Snodgrass (Ed.), *Management Impacts of Information Technology: Perspectives on Organizational Change and Growth* (pp. 76-99). Harrisburg, PA: Idea Group Publishing.

Books:

- Pakath, R. (1998). *Business Support Systems: An Introduction*. Acton, MA: Copley Publishing Group.
- Pakath, R. (1994). *Computerized Support Systems for Business: A Concise Introduction*. Acton, MA: Copley Publishing Group.

Peer-reviewed Academic Conference Proceedings:

- Holsapple, C. W., Hsiao, S.-H., Pakath, R. (2014). Business Social Media Analytics: Definition, Benefits, and Challenges. *Proceedings of the 2014 Americas Conference on Information Systems*. (pp. 3703-3714). Association for Information Systems.
- Holsapple, C. W., Pakath, R., Sasidharan, S. (2005). Evaluating and Refining Web Interface Design Guidelines for Alzheimer's Patients. *Research Abstracts of the Third Annual Kentucky Innovation and Enterprise Conference*. (pp. 37). Kentucky Science and Engineering Foundation.
- Pakath, R., Gaines, D. A. (2005). The Evolutionary Behaviors of Alternate Learning Classifier System Architectures: An Assessment. *Research Abstracts of the Third Annual Kentucky Innovation and Enterprise Conference*. (pp. 36). Kentucky Science and Engineering Foundation.
- Gaines, D. A., Pakath, R. (2004). Alternate Adaptive Agent Architectures and Behavioral Consequences. *Proceedings of the 2004 Americas Conference on Information Systems* (pp. 25- 28). Association for Information Systems.
- Holsapple, C., Pakath, R., Sasidharan, S. (2004). Alzheimer's Patients and Web Accessibility. *Proceedings of the 2004 Americas Conference on Information Systems* (pp. 3354-3358). Association for Information Systems.
- Pakath, R. (1993). Genetics-based Self-Adjusting Expert Systems. *Proceedings of the 26th Hawaii International Conference on Systems Sciences* (pp. 344-357). IEEE Computer Society Press.
- Pakath, R., Zaveri, J. S. (1992). Adaptive Decision Support Systems: Concepts, Characterization, and Application in the Context of Scheduling in Flexible Manufacturing. *Proceedings of the 20th Annual North American Conference of the International Business School Computer Users Group* (pp. 69). International Business School Computer Users Group.
- Jacob, V. S., Pakath, R., Zaveri, J. S. (1990). Adaptive Decision Support Systems: Incorporating Learning into Decision Support Systems. *Proceedings of the 1st International Society for Decision Support Systems Conference* (pp. 313-330). International Society for Decision Support Systems.

Working Papers:

- Chen, L., Pakath, R., 2013, The Use of Data Mining in Telecom Churn Prediction: A Review.
- Blake, R., Pakath, R., Mangiameli, P., 2012, Attribute Noise and Decision Tree Performance.
- Bush, M., Jin, H., Pakath, R., Rao, S., 2007, Rural MWN Deployment in the United States, India, and China: Illustrative Applications, Potential Drivers, & Potential Inhibitors.
- Banerji, K., Pakath, R., Raj, V., 1990, Support Systems as Control Facilitators in Multinational Corporations.
- Jacob, V. S., Marsden, J. R., Pakath, R., Yavatkar, R., 1990, A Networked Expert Simulation System for Evaluating Alternative Market Regulatory Policies.

Academic Conference Presentations:

- Hsiao, S.-H., Pakath, R., 2016, INFORMS Annual Meeting, Institute for Operations Research and the Management Sciences, Nashville, TN, United States, "Influencers in Social Media - An Assessment of Algorithmic Approaches in Big Data Environments."
- Hsiao, S.-H., Pakath, R., 2015, INFORMS Annual Meeting, Institute for Operations Research and the Management Sciences, Philadelphia, PA, United States, "Who are the Opinion Leaders? A Relative Assessment of Opinion Leader Mining Algorithms."
- Holsapple, C., Hsiao, S.-H., Pakath, R., 2014, DSI Annual Meeting, Decision Sciences Institute, Tampa, FL, United States, "Business Social Media Analytics: Definition, Benefits, Challenges, and a Conceptual Model."
- Holsapple, C., Hsiao, S.-H., Pakath, R., 2014, AMCIS Annual Meeting, Association for Information Systems, Savannah, GA, United States, "Business Social Media Analytics: Definition, Benefits, and Challenges."
- Chen, L., Pakath, R., 2013, DSI Annual Meeting, Decision Sciences Institute (DSI), Baltimore, MD, United States, "The Use of Data Mining in Telecom Churn Prediction: A Review."
- Pakath, R., 2013, 3rd Annual International Congress of U-World, Dalian, China, "Invited Co-Chair, Presenter, and Author - Intelligent Data Processing Technology Track." (Withdrew participation).
- Gaines, D. A., Pakath, R., 2012, INFORMS Fall Meeting, Institute for Operations Research and the Management Sciences, Phoenix, AZ, United States, "An Examination of Evolved Behavior in Two Reinforcement Learning Systems."
- Pakath, R., Rao, S., 2006, INFORMS Fall Meeting, Institute for Operations Research and the Management Sciences, Pittsburgh, PA, United States, "Adaptive Decision Support Systems: A Critique."
- Bush, M., Jin, H., Rao, S., Pakath, R., 2006, AMCIS Annual Meeting, Association for Information Systems, Acapulco, Mexico, "Rural MWN Deployment in the US, India, and China: Applications, Drivers, and Inhibitors." (Accepted; withdrew paper).
- Holsapple, C., Pakath, R., Sasidharan, S., 2005, Fall Meeting, Institute for Operations Research and the Management Sciences Information Society, San Francisco, CA, United States, "Evaluating Web Accessibility Design Guidelines for the Cognitively Disabled."
- Gaines, D. A., Pakath, R., Srinivasan, C., 2005, INFORMS Fall Meeting, Institute for Operations Research and the Management Sciences Information Society, San Francisco, CA, United States, "Insights into the Adaptive Behavior of Alternate Learning Classifier System Models."
- Holsapple, C., Pakath, R., Sasidharan, S., 2005, The Third Annual Kentucky Innovation and Enterprise Conference, Kentucky Science and Engineering Foundation, Louisville, KY, United States, "Evaluating and Refining Web Interface Design Guidelines for Alzheimer's Patients."
- Pakath, R., Gaines, D. A., 2005, The Third Annual Kentucky Innovation and Enterprise Conference, Kentucky Science and Engineering Foundation, Louisville, KY, United States, "The Evolutionary Behaviors of Alternate Learning Classifier System Architectures: An Assessment."
- Holsapple, C., Pakath, R., Sasidharan, S., 2004, Second International Conference on Information Technology in Healthcare: Sociotechnical Approaches, Portland, OR, "Alzheimer's Patients and Web Accessibility" (Accepted; withdrew paper).
- Gaines, D. A., Pakath, R., 2004, AMCIS Annual Meeting, Association for Information Systems, New York, NY, "Alternate Adaptive Agent Architectures and Behavioral Consequences."
- Holsapple, C., Pakath, R., Sasidharan, S., 2004, AMCIS Annual Meeting, Association for Information Systems, New York, NY, "Alzheimer's Patients and Web Accessibility."

- M. Aminilari, Pakath, R., 1999, INFORMS Spring Meeting, The Institute for Operations Research and the Management Sciences, Cincinnati, OH, "Searching for Information: Experiences with a Text-based and an Image-based DSS."
- Pakath, R., 1999, INFORMS Spring Meeting, The Institute for Operations Research and the Management Sciences, Cincinnati, OH, "The Iterated Prisoner's Dilemma Revisited: Early Experiences with a Learning Classifier System."
- Pakath, R., 1998, INFORMS Fall Meeting, The Institute for Operations Research and the Management Sciences, Seattle, WA, "A Relative Assessment of Two Decision Support Systems."
- Mirchandani, D., Pakath, R., Sims, K. 1997, INFORMS Spring Meeting, The Institute for Operations Research and the Management Sciences, San Diego, CA, "A Hybrid, Synergistic Procedure for the Traveling Salesman Problem."
- Meng, C. Pakath, R., 1997, INFORMS Spring Meeting, The Institute for Operations Research and the Management Sciences, San Diego, CA, "Iterated Prisoner's Dilemma Models for Examining Agent Interactions Within Groups."
- Marsden, J. R., Pakath, R., Wibowo, K., 1996, ICMTM, International Conference on Multimedia Technology and Management, Hong Kong, China, "The Impacts of Alternate Information Presentation Approaches upon Task Performance in a Task Support System: Experiments and Analyses in a Team Decision-making Setting."
- Meng, C. L., Pakath, R., 1995, INFORMS Fall Meeting, Institute for Operations Research and the Management Sciences, New Orleans, LA, "Modeling Rational Agent Behavior in Multiparticipant, Multiobjective Decision-making Settings Using Genetic Algorithms."
- Pakath, R., Zaveri, J. S., 1993, 35th TIMS/ORSA Joint National Meeting, The Institute for Management Science/Operations Research Society of America, Chicago, IL, "A Facility for the Automatic Specification of Genetic Operator Probabilities in a Genetics-based System."
- Pakath, R., 1993, 26th HICSS, Hawaii International Conference on System Sciences, HI, "Genetics- based Self-adjusting Expert Systems."
- Pakath, R., Zaveri, J. S., 1992, 20th IBSCUG Annual North American Conference, International Business School Computer Users Group, Columbus, OH, "Adaptive Decision Support Systems: Concepts, Characterization, and Application in the Context of Scheduling in Flexible Manufacturing."
- Pakath, R., Zaveri, J. S., 1992, 31st TIMS/ORSA Joint National Meeting, The Institute of Management Sciences/Operations Research Society of America, Orlando, FL, "Genetics-based Static Scheduling in FMSs: Some Experimental Results."
- Jacob, V. S., Pakath, R., Zaveri, J. S., 1990, 30th ORSA/TIMS Joint National Meeting, Operations Research Society of America/The Institute of Management Sciences, Philadelphia, PA, "Classifier-Based Decision Support for Active Schedule Generation in Flexible Manufacturing Systems."
- Jacob, V. S., Pakath, R., Zaveri, J. S., 1990, 1st ISDSS Conference, International Society for Decision Support Systems, Austin, TX, United States, "Adaptive Decision Support Systems: Incorporating Learning into Decision Support Systems."
- Jacob, V. S., Marsden, J. R., Pakath, R., Yavatkar, R., 1990, 29th TIMS/ORSA Joint National Meeting, The Institute of Management Sciences/Operations Research Society of America, Las Vegas, NV, "A Networked Expert Simulation System for Evaluating Alternate Market Regulatory Policies."
- Banerji, K., Pakath, R., Raj, V., 1990, 29th TIMS/ORSA Joint National Meeting, The Institute of Management Sciences/Operations Research Society of America, Las Vegas, NV, United States, "Support Systems as Control Facilitators in Multinational Corporations."
- Jensen, P., Pakath, R., Wilson, J., 1988, 26th ORSA/TIMS Joint National Meeting, Operations Research Society of America/The Institute of Management Sciences, Denver, CO, United States, "Optimal Buffer Inventories for Multistage Production Systems with Failures."

Balakrishnan, A., Moore, J. C., Pakath, R., Whinston, A. B., 1988, 25th TIMS/ORSA Joint National Meeting, The Institute of Management Sciences/Operations Research Society of America, Washington, DC, United States, "Information Acquisition for Model Construction: An Integrative, Decision-Theoretic Perspective."

Academic Conference Participation:

DSI National Meeting, 2020, Decision Science Institute, Virtual, Nov. 21-23, 2020.

INFORMS Business Analytics Conference, Institute for Operations Research and the Management Sciences, Virtual, May 18-21, 2020.

Industry Presentations:

Pakath, R., 1984, General Motors Assembly Division, Dallas, TX, United States, "Optimal In-Process Inventory for a Multistage Manufacturing System with Stage Failures and Non-Zero Repair Times."

Research Grants:

Pakath, R., Gatton Endowed Research Professorship, College of Business & Economics, University of Kentucky, \$20,000, July 2009 - June 2011.

Pakath, R., Gatton Competitive Summer Research Grant, College of Business & Economics, University of Kentucky, \$10,000, May 2009 - August 2009.

Pakath, R., Gatton Endowed Research Professorship, College of Business & Economics, University of Kentucky, \$20,000, July 2007 - June 2009.

Pakath, R., Gatton Competitive Summer Research Grant, College of Business & Economics, University of Kentucky, \$5,000, May 2008 - August 2008.

Pakath, R., Gatton Endowed Research Professorship, College of Business & Economics, University of Kentucky, \$20,000, July 2005 - June 2007.

Holsapple, C. (Principal), Pakath, R. (Co-Principal), "KSEF R&D Excellence: Evaluating and Refining Web Interface Design Guidelines for Alzheimer's Patients," Kentucky Science and Technology Corp., \$97,384.00, June 1, 2004 -- May 31, 2007.

Pakath, R. (Principal), "KSEF R&D Excellence: Assessing the Evolutionary Behavior of Alternate Learning Classifier System Architectures in the Iterated Prisoner's Dilemma Environment," Kentucky Science and Technology Corp. \$95,483.00, May 1, 2004 -- November 30, 2006.

Pakath, R., Gatton Competitive Summer Research Grant, College of Business & Economics, University of Kentucky, \$12,000, May 2006 - August 2006.

Pakath, R., Gatton Competitive Summer Research Grant, College of Business & Economics, University of Kentucky, \$10,000, May 2005 - August 2005.

Pakath, R., Gatton Endowed Research Professorship, College of Business & Economics, University of Kentucky, \$20,000, July 2003 – June 2005.

Pakath, R., Gatton Competitive Summer Research Grant, College of Business & Economics, University of Kentucky, \$12,000, May 2004 - August 2004.

Pakath, R., Gatton Competitive Summer Research Grant, College of Business & Economics, University of Kentucky, \$9,333, May 2003 - August 2003.

Pakath, R., Gatton Competitive Summer Research Grant, College of Business & Economics, University of Kentucky, \$9,332, May 2002 - August 2002.

Pakath, R., Marsden, J. R., Wibowo, K., Foreign Travel Grant, International Conference on Multimedia Technology and Management, Hong Kong. College of Business & Economics,

University of Kentucky, \$1,200, December 11-14, 1996.

Pakath, R., Marsden, J. R., Wibowo, K., V.P. for Research and Graduate Studies, University of Kentucky, Foreign Travel Grant, International Conference on Multimedia Technology and Management, Hong Kong, \$1,000, December 11-14, 1996.

Pakath, R., MIS Research Lab Equipment/Software Upgrade Mini-grant, College of Business & Economics, University of Kentucky, \$678, September 1995.

Pakath, R., MIS Research Lab Equipment/Software Upgrade Mini-grant, College of Business & Economics, University of Kentucky, \$21,693, May 1995.

Pakath, R., Vice Chancellor for Research and Graduate Studies MIS Research Lab Equipment/Software Upgrade Mini-grant, University of Kentucky, \$1,000, July 1994.

Pakath, R., Lee-Post, A., Holsapple, C., Vice Chancellor for Research and Graduate Studies MIS Research Lab Equipment/Software Upgrade Mini-grant, University of Kentucky, \$2,563, October 1993.

Pakath, R., Ashland Oil Competitive Summer Research Grant, College of Business & Economics, University of Kentucky, \$6,500, May 1993 - August 1993.

Pakath, R., Ashland Oil Competitive Summer Research Grant, College of Business & Economics, University of Kentucky, \$6,500, May 1990 - August 1990.

Pakath, R., Vice President for Research & Graduate Studies Competitive University Summer Faculty Research Fellowship, University of Kentucky, \$2,400, May 1990 - August 1990.

Pakath, R., Vice Chancellor for Research and Graduate Studies MIS Research Lab Equipment/Software Upgrade Mini-grant, University of Kentucky, \$15,924. March 1990.

Pakath, R., Ashland Oil Competitive Summer Research Grant, College of Business & Economics, University of Kentucky, \$6,500, May 1989 - August 1989.

Pakath, R., Vice President for Research & Graduate Studies Competitive Special Summer Faculty Research Fellowship, University of Kentucky, \$5,000, May 1989 - August 1989.

Pakath, R. IBM Doctoral Fellowship for Advanced Study and Research in Management Information Systems, Purdue University, \$11,695, July 1984 – June 1985.

Research Software Platforms:

Chundru, R., Pakath, R. (2006). *Experimental Platform for Evaluating Website Guidelines Compliance*.

Aminilari, M., Pakath, R. (2000). *Experimental Platform for Evaluating Information Gathering and Decision-Making Strategies*.

Wibowo, K., Pakath, R., Marsden, J. R. (1998). *Experimental Platform for Evaluating Decision Making Under Time Pressure*.

Zaveri, J. S., Pakath, R. (1992). *An Application for Generating High-Quality Job Processing Schedules in Flexible Manufacturing Systems Using a Genetic Algorithm*.

Pakath, R. (1988). *Experimental Platform for Evaluating Alternate Message Routing Heuristics*.

TEACHING

Interests:

Analytics, Adaptive Systems.

Courses Taught at the Doctoral Level:

Business Data Mining; Business Data Communications; Business Data Base Management;

Decision Support Systems; Artificial Intelligence Techniques in Business; Genetic Algorithms and Learning Classifier Systems; Non-traditional Algorithms

Courses Taught at the Master's Level:

Applied Data Analytics; Financial Analytics Tools; Business Data Mining; Business Data Communications; Business Data Base Management; Business Statistics; Management Science

Courses Taught at the Undergraduate Level:

Business Data Mining; Intro. to Business Analytics; Operations Management; Management Information Systems; Business Data Communications; Systems Development Tools – C Language Programming

Doctoral Dissertations Chaired/Co-Chaired:

Shih-Hui Hsiao, Business Administration, "Business Social Media Analytics: A Proposed Definition, A Comprehensive Framework, and An Assessment of Algorithms for Identifying Social Influencers." Degree Awarded. (2016).

Yuanyuan Xue, Business Administration, "Leveraging Competitive Advantage by Fostering Customer Participation in e-Business Knowledge Management Efforts." (December 2013 - December 2015).

Lt. Col. David Gaines, Decision Science & Information Systems, "Investigations into the Cognitive Abilities of Alternative Learning Classifier System Architectures." Degree Awarded. (2006).

Kenneth Sims, Decision Science & Information Systems, Untitled, August 1996 – December 2003.

Mansoor Aminilari, Decision Science & Information Systems, "Searching for Information: Experiences with a Text-based and an Image-based Decision Support System." Degree Awarded. (1999).

Kustim Wibowo, Decision Science & Information Systems, "Subject Utilization of Alternate Information Sources in a Classification Task Setting: An Exploratory Study." Degree Awarded. (1998).

Chen-Lu Meng, Decision Science & Information Systems, "The Iterated Prisoner's Dilemma: Early Experiences with Learning Classifier System-based Simple Agents." (January 1995 – December 1998).

Jigish Zaveri, Decision Science & Information Systems, "Adaptive Decision Support Systems: Concepts, Characterization, and an Application." Degree Awarded. (1992).

Doctoral Dissertation Committee Memberships:

Lijuan Wu, Business Administration, "Effect of Coupon on Shopping Habit and Continuance and the Decision-Making Process of Millennial Consumers." (February 2014 – May 2017).

Partha Mohapatra, Decision Science & Information Systems, "The Effects of Prior Knowledge and Hyperlinks on Learning from a Computerized Aid." Degree Awarded. (2005).

(Late) Terry Wiant, Decision Science & Information Systems, "Policy and Its Impact on Medical Record Security," Degree Awarded. (2003).

Gerald C. Gonsalves, Decision Science & Information Systems, "Business Process Management: Integration of Quality Management and Reengineering for Enhanced Competitiveness." Degree Awarded. (2002).

Dr. Russell McGuire, Nursing, "Critical Elements of Organizational Capacity and Resource Needs

for Successful Clinical Information System Implementation.” Degree Awarded. (2002).

James Otto, Decision Science & Information Systems, "Adaptive Refinement of Multiple Expert Systems." Degree Awarded. (1996).

Ming Chian Ken Wang, Decision Science & Information Systems, "Decision Aggregation in Distributed Decision making." Degree Awarded. (1995).

Sathasivam Mathiyalakan, Decision Science & Information Systems, "A Methodology and Operationalization for Acquiring Knowledge from Multiple Experts." Degree Awarded. (1995).

Magesh Ranganthan, Decision Science & Information Systems, "Performance Evaluation of Tool Sharing Policies in Automated Manufacturing Systems." Degree Awarded. (1995).

Shang-Kuang Kung, Decision Science & Information Systems, "Distributed Multiparticipant Decision Making Analysis Using a Contra-Net Shell." Degree Awarded. (1993).

William P. Wagner, Decision Science & Information Systems, "A Phenomenon-Oriented Knowledge Acquisition Framework for Expert Systems Research." Degree Awarded. (1992).

Victor Raj, Decision Science & Information Systems, "Knowledge Acquisition Experimentation: A Framework, Strategy, and Exploratory Study." Degree Awarded. (1992).

Linda E. Johnson, Decision Science & Information Systems, "Communication Support Systems: A Systematic Approach to Research." Degree Awarded. (1991).

Zubair M. Mohamed, Decision Science & Information Systems, "A Comparative Study of the Effects of Design Flexibility, Tool Magazine Capacity, and Loading Policies on the Loading, Routing, and Part Grouping Problems of Flexible Manufacturing Systems." Degree Awarded. (1991).

Charles Gardner, Decision Science & Information Systems, "Testing the Hypotheses of a DSS Framework through the Integration of Microeconomic Theory, Laboratory Experiments, and the Information System Evaluation Problem." Degree Awarded. (1991).

Other Instructional Activities:

Doctoral Dissertation Defense Outside Examiner – Steven Kreis II, Dept. of Civil Engineering, College of Engineering, University of Kentucky, October 2016.

Doctoral Dissertation Defense Outside Examiner – T. Bina, Dept. of Business Management, Avinashilingam Institute for Home Science & Higher Education for Women-Deemed University, Coimbatore, Tamil Nadu, India, June 2007.

Doctoral Dissertation Defense Outside Examiner – Jianhua Chen, Dept. of Agricultural Economics, College of Agriculture, Food, and Environment, University of Kentucky, December 2005.

Doctoral Qualifying Examination Preparation, Grading, and Oral Exam Administration – August 1993- December 2013 (Numerous Students).

Research Project Supervision/Co-supervision – Summer 2013 (2 Doctoral Students); January 2006 -- August 2006 (1 Doctoral Student); January 2005 – June 2006 (1 MS Student); January 2005 – May 2005 (1 MS Student); August 2004 -- December 2004 (1 Doctoral Student)

Independent Study Supervision – Spring 2003, Spring 1997, Fall 1995, Summer 1995, Summer 1994, Fall 1994, Fall 1992 (1 PhD Student Each); Spring 2005 (3 MBA Students), Spring 1995 (1 MBA Student); Spring 2001 (1 UG Student)

Internship Advisor – 1 Student Each (Fall 2013, Spring 2013, Summer 2009, Spring 2003, Fall 1999, Summer 1996)

Course Coordinator – Management Information Systems (Fall 1993, Spring 1999, Summer 1999), Operations Management (Fall 1992)

TA Mentoring – Business Computing Systems (Spring 2013, Fall 2013), Accounting Information Systems (Spring 2013)

Attendee -- 2008 INFORMS Conference on O.R. Practice, April 13-15, 2008, Baltimore, MD.
To help re-design DSIS UG program and to establish industry contacts for class speakers, internships, coops, and employment opportunities for UG students.

Teaching Awards and Honors:

Teaching Innovation Grant, 2020, University of Kentucky, College of Business and Economics, Dept. of Finance and Quantitative Methods, \$3,000. (May 2020 – July 2020)

Humana Teaching Innovation Grant 2011, University of Kentucky, College of Business and Economics, \$6,500. (May 2011 - July 2011)

Humana Teaching Innovation Grant 2010, University of Kentucky, College of Business and Economics, \$6,500. (May 2010 - July 2010)

Pakath, R., DSIS Area Development Funds Grant, College of Business & Economics, University of Kentucky, \$459, Develop a new doctoral seminar on Data Bases, Warehouses/Marts, and Mining, Summer 1998.

Chancellor's Award for Outstanding Teaching Nominee (MBA level), University of Kentucky, 1992.

Chancellor's Award for Outstanding Teaching Nominee (PhD level), University of Kentucky, 1991.

SERVICE

Professional Service:

Academic Journal Editorial Duties:

Senior Editor, *Decision Support Systems and Electronic Commerce*, July 2014 – Present.

Associate Editor, *Journal of Organizational Computing and Electronic Commerce*, June 2017 – Present.

Editorial Review Board Member, *Management – Journal of Contemporary Management Issues*, June 1995 – December 2018.

Editorial Review Board Member, *Journal of Organizational and End User Computing*, January 1996 – June 2016.

Associate Editor, *Decision Support Systems and Electronic Commerce*, September 1992 – June 2014.

Editorial Review Board Member, *The Open Artificial Intelligence Journal*, May 2010 – December 2010.

Academic Journal Reviewer Duties:

American Journal of Mathematical and Management Sciences

Decision Support Systems and Electronic Commerce

European Journal of Operational Research

Evolutionary Computation

Information Systems and eBusiness Management

Information Systems Frontiers

Information Systems Research

INFORMS/ORSA Journal on Computing

Journal of Information Technology and Management

Journal of Organizational and End User Computing

Journal of Organizational Computing and Electronic Commerce
Management Information Systems Quarterly
Management Science

Academic Conference Paper Reviewer Duties:

Americas Conference on Information Systems
Hawaii International Conference on Systems Sciences
Information Resources Management Association Conference
Institute for Operations Research and Management Science Conference
International Business School Computer Users Group Conference
International Society for Decision Support Systems Conference

Book/Book Chapter Reviewer Duties:

Essentials of Business Analytics, J. Camm, J. Cochran, M. Fry, J. Ohlmann, D. Anderson, D. Sweeney, and T. Williams, Cengage, 1st Edition, 2015.
Introduction to Information Technology, E. Turban, K. Rainer, and R. Potter, Wiley, 3rd edition, 2005.
Global Telecommunications: A Business Perspective, T. Housel and E. Skopec, Irwin/McGraw Hill, 1st edition, 2000.
Cases on Information Technology Management in Modern Organizations, J. Liebowitz and M. Khosrowpour (eds.), Idea Group, 1997.
The Management of Telecommunications: Business Solutions to Business Problems, H. Carr and C. Snyder, Irwin-McGraw Hill, 1st Edition, 1996.

Academic Program/Track/Session Duties:

Technical Program Committee Member – 2018 International Conference on Emerging Information and Communication Technology Solutions for Digital Transformation (EICTSDT), Pune, India. (March 8, 2018 - March 9, 2018).
Session Chair – 2013 Decision Sciences Institute (DSI) Annual Meeting, Baltimore, MD. Session: IS Management and Governance. Track: Information Systems Management.
Track Organizer & Session Chair – 2007 Institute for Operations Research and the Management Sciences (INFORMS) International Conference, San Juan, PR. Track Sponsor: INFORMS Computational Society. Cluster: Interface of Operations Research and Computer Science. Sessions: Information Security I and Information Security II.
Session Chair – 2006 Institute for Operations Research and the Management Sciences (INFORMS) Annual Meeting, Pittsburgh, PA. Session: Decision Support Systems.”
Program Committee Member – 2002 Information Resources Management Association (IRMA) International Conference, Seattle, WA.

Academic Professional Society Memberships:

The Institute for Operations Research and the Management Sciences (INFORMS), Member, 1995-2013; 2019-2020.
Decision Science Institute (DIS), Member, 2013-2014. 2020-2021.
Association for Information Systems (AIS), Member, 2004.
Information Resources Management Association (IRMA), Member, 1996.
International Association for Computer Information Systems (IACIS), Member, 1992-1994

The Institute of Management Sciences (TIMS), Member, 1986-1990, 1992-1994.
International Society for Decision Support Systems, Member, 1990-1991.
Association for Computing Machinery (ACM), Member, 1990.
Institute of Electrical and Electronics Engineers (IEEE), Member, 1990.
Operations Research Society of America (ORSA), Member, 1986-1989.

University Service:

Member – University of Kentucky Senate Library Committee, August 2020 – August 2021.
Member – University of Kentucky Senate Retroactive Withdrawals Committee, August 2018 – May 2019.
Member – University of Kentucky Senate Academic Programs Committee, August 2017 – August 2018.
Member – University of Kentucky Senate, August 2017 – Present.
Faculty Mentor – Visiting Scholar, University of Kufa, Najaf, September 2012 - July 2013.
Faculty Advisor -- Lexington Tamil Cultural Association (LTCA), November 2010 - October 2012.
Member -- Scholars in Engineering and Management (SEAM) Advisory Board, January 2008 - August 2012.
Member -- 2011 Kirwan Faculty Prize Selection Committee, August 2010 – May 2011.
Member - CIO Solutions Gallery, UK Program Advisory Committee, August 2010 – May 2011.
Faculty Mentor – Visiting Scholar, University of Lampung, Indonesia May 2010 – July 2010.
Member -- Digital Measures Pilot Test Group, August 2009 – May 2010.
External P&T Reviewer -- The American University in Cairo, School of Business, Economics, and Communication, Cairo, Egypt, July 2006 - December 2006.
Member -- University Appeals Board, July 1996 - December 1999.
Merit Scholarships Reader – University of Kentucky, January 1998 - May 1998.
External P&T Reviewer -- University of Louisville, College of Business and Public Administration, July 1995 - December 1995.

College Service:

Member – Graduate Certificate in Business Analytics Committee, June 2020 – Present.
Member – P&T Committee, January 2020 – May 2020.
Member – Business Analytics Minor Task Force – April 2018 – May 2019.
Member – Joint Committee Exploring Supply Chain Degree Development, November 2017 – May 2019.
Member -- Library Committee, August 2013 - December 2013.
Member -- Hilliard-Lyons Finance & Business Analytics Lab Equipment and Layout Recommendations Committee, March 2012.
Member -- Gatton Ad Hoc Committee on the Environment, January 2009 - December 2011.
Member -- Undergraduate Studies Committee, August 2008 - May 2011.
Member -- Vanguard Technology in Education Team, August 2009 - May 2010.
Member -- Faculty Evaluation Committee, August 2005 - May 2006.
Member -- Undergraduate Studies Committee, Committee August 2002 – May 2003; August 1998 – May 1999; August 1988 – May 1992.
Member -- Undergraduate Studies Committee, August 2002 – May 2003; August 1998 - May 1999; August 1988 - May 1992.
Member -- Computer Advisory Committee, August 1999 - May 2002; August 1994 - May 1997; August 1988 - May 1992.
Chair -- Computer Science 101 Committee, July 1999 - June 2000.

Member -- Library Committee, August 1997 – December 1999.
Mentor -- Faculty Liaison for Visiting Scholars, The Faculty of Organization and Informatics, University of Zagreb, Croatia, January 1998 – May 1998, August 1997 – December 1997; August 1996 – December 1996.
Chair -- MIS Lab Committee, July 1996 - December 1997.
Member -- Ad Hoc Committee for the Design of High Technology Classrooms, January 1995 - May 1997.
Director -- Director, MIS and DSS Research Laboratory, August 1994 - May 1997.
Member -- Promotion and Tenure Committee, Committee, August 1993 - May 1994.
Acting Director, MIS and DSS Research Laboratory, August 1993 - May 1994.
Member -- DSIS Department Review Committee, August 1992 - May 1993.
Member -- Graduate Studies Committee, August 1992 - May 1993.
Member -- Dean's Advisory Committee, August 1989 - May 1990.
Member -- DSIS Department Chair Search Committee, August 1989 - December 1989.
Member -- College of Communications -- Initial Planning Committee: Center for the Advanced Study of Global Eco-Communications and Information, January 1988 - May 1989.
Faculty Hiring, Periodic Review and P&T Letters, August 1993 - Present.
Student Recommendation Letters, August 1988 - Present.

Department Service:

Member – Faculty Review/Tenure/Promotion Committee, Finance and Quantitative Methods, July 2011-Present.
Member -- Doctoral Preliminary Examination Committee, Decision Science & Information Systems, Committee Member, August 1993 - Dec 2013.
Chair –Analytics Major Review Committee, Finance and Quantitative Methods, August 2012 - December 2012.
Member -- Faculty Review/Tenure/Promotion Committee, School of Management, August 1993 – May 2012.
Member -- Department Operating Policies and Procedures Document Committee, Finance and Quantitative Methods, September 2011.
Director of Undergraduate Studies, Decision Science & Information Systems, August 2007 – May 2011.
Advisor -- Student Placement, Decision Science and Information Systems, July 2007 - June 2010.
Member – Recruiting Committee, School of Management, August 1998 – December 1999.
Member -- Research Strategic Planning Committee, School of Management, January 1996 - December 1997.
Member -- Ph.D. Studies Committee, School of Management, Appointed, August 1994 - May 1996.

Public Service:

Life Member, Donor, & Volunteer: Bharatiya Temple and Cultural Center (BTCC), Lexington, KY.
Life Member & Donor: Bluegrass Indo-American Civic Society (BIACS).
Monthly Donor: ASPCA; Lexington Humane Society; Woodford Humane Society; ACLU; SPLC; Wounded Warrior Project.
Periodic Donor: God's Pantry; Salvation Army; United Way.
Jury Member: Fayette Circuit Court, Lexington, KY, July 22-26, 2013.

PERSONAL: US Citizen; Married with two children.