
Mehmet Bayram YILDIRIM

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EMPLOYMENT

Wichita State University
August 11-present
June 08-Present
August 2006-present

Industrial and Manufacturing Engineering Department
Graduate Coordinator
Associate Professor
Assistant Director of Oklahoma State University Industrial Energy Assessment Center
Assistant Professor

January 02-July 08

University of Florida
August 96 – December 01

Industrial and Systems Engineering Department
Instructor: Facilities Planning & Materials Handling, Summer 2000
Teaching Assistant: Deterministic Methods of Operations Research for both on Campus and Outreach Engineering Management Programs
Research Assistant: Traffic Network Equilibrium Problem, Toll Pricing Theory

CSX Transportation
May 97 – August 97

Internship, Operations Research Department, Jacksonville, FL
Tested Effectiveness of a Decision Support System For Rail Car Management

Bilkent University
August 94 – 96

Industrial Engineering Department
Research & Teaching Assistant: Total Weighted Tardiness Problem: New Dominance Rule and its Effect on the Lower and Upper Bounds

EDUCATION

December 2001

Ph. D.: Industrial & Systems Engineering, University of Florida, Florida
Dissertation Title: Congestion Toll Pricing Models and Methods for Variable Demand Traffic Assignment Models
Dissertation Chair: Donald W. Hearn
Committee Members: S. Selcuk Erenç, Joseph P. Geunes, Panos M. Pardalos

1996

M. S., Industrial Engineering, Bilkent University, Ankara, Turkey
Master's Thesis: Single Machine Total Weighted Tardiness Problem
Chair: Selim Akturk

1994

B. S., Industrial Engineering, Bogazici University, Istanbul, Turkey
Senior Project: Scheduling Traffic Lights in a Capacitated Junction
Advisor: I. Kuban Altinel

ACADEMIC HONORS AND AWARDS

Coleman faculty Fellow on Entrepreneurship
Faculty Fellow at National Institute of Aviation Research, 2002 – 2004
Nominated for College of Engineering Excellence in Continuing Education Award (2006 and 2007)
Nominated for Wichita State University Excellence in Research Award (2006 and 2007)
Nominated for Wichita State University Board of Regents Young Scholar Award (2007)
The Coleman Foundation Entrepreneurship Fellow, 2010-present

COURSES TAUGHT

Undergraduate Level: Engineering Economy, Operations Research, Facilities Planning

Graduate Level: Logistics and Supply Chain Management, Planning and Scheduling in Manufacturing and Service Operations, Foundations of Optimization, Linear Programming and Network Optimization

RESEARCH INTERESTS

Energy Efficient Manufacturing; Generation Expansion, Transmission Planning; Smart Grids; Optimization applications in scheduling and healthcare management; Logistics and Supply Chain Management

TEACHING INTERESTS

Optimization, Operations Management, Logistics and Supply Chain Management, Scheduling, Engineering Economics, Production Planning, Project Management, Energy Management

REFEREED JOURNAL PUBLICATIONS

1. Yildirim, M. B. and Mouzon, G. C.*, "Minimization of Total Energy Consumption and Total Completion Time on a Single Machine," IEEE Transactions On Engineering Management, Accepted for Publication, August 2011
2. Khan, W.S.*, Asmatulu, R. and Yildirim, M.B., "Acoustical Properties of Electrospun Fibers for Aircraft Interior Noise Reduction," Journal of Aerospace Engineering, Accepted for Publication, August 2011
3. Yildirim, M.B., Nezami, F.G.* and Masud, A. S.M., "A Fuzzy Multicriteria Generation Expansion Planning Model, International Journal of Multi-criteria Decision Making," Accepted for publication, December 2010
4. Keskinurk, T.*, Yildirim, M. B. and Barut, M., 2010, "A Modified Ant Colony Optimization Algorithm for Load Balancing in parallel Machines with Setups," Computers and Operations Research, Vol 39, 6, June 2012
5. Asmatulu, R., Khan, W.*, Nguyen, K.D.*, and Yildirim, M.B., 2010, "Synthesizing Magnetic Nanocomposite Fibers for Undergraduate Nanotechnology Laboratory," Accepted for publication in International Journal of Mechanical Engineering Education
6. Ceciliano Meza, J. L.*, Yildirim, M. B. and Masud, A. S. M., 2009, "A Multiobjective Evolutionary Programming Algorithm and its Applications to Power Generation Expansion Planning," IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans, Vol.39, No. 5, pp. 1086-1096
7. Mouzon, G.* and Yildirim, M. B., 2008, "A Framework to Minimize Total Energy Consumption and Total Tardiness on a Single Machine," International Journal of Sustainable Engineering, Vol. 1, No:2, pp. 105-116.
8. Helvacı, A. E. *, Cetinkaya, C. and Yildirim, M. B., 2008, "Using Rerouting to Improve Aggregate Based Resource Allocation," Journal of Networks. Vol. 3, No. 6, pp 1-12.
9. Duman, E., Yildirim, M. B. and Alkaya, A. F.*, 2008, "Scheduling Continuous Aluminum Casting Lines," International Journal of Production Research, Vol. 46, No: 20 pp. 5701-5718
10. Cetinkaya, C. and Yildirim, M. B., 2008, "A Short-term Fair MAC Protocol for Wireless LANs," AdHoc Networks, Vol. 6 (6): 860-877
11. Mouzon, G.*, Yildirim, M. B. and Twomey, J., 2007, "Operational Methods for Minimization of Energy Consumption of Manufacturing Equipment," International Journal of Production Research, Volume 45, Issue 18, pp. 4247 – 4271
12. Ceciliano Meza, J. L.*, Yildirim, M. B. and Masud, A. S. M., 2007, "A Model for the Multi-Period Multi-Objective Power Generation Expansion Problem," IEEE Transactions on Power Systems, Volume 22, Issue 2, pp. 871- 878
13. Yildirim, M. B., Duman, E., Krishnan, K. and Senniappan. K.*, 2007, "Parallel Machine Scheduling with Load Balancing and Sequence Dependent Setups," International Journal of Operations Research, Vol. 4, No. 1, pp. 42-49

* Indicates student co-author

14. Yildirim, M. B., Duman, E., Duman, D. and Cetinkaya, C., 2007, "Allocation of Component Types to Machines in the Automated Assembly of Printed Circuit Boards," *Journal of Computers*, Vol. 2, No. 7, pp. 11-19.
15. Barut, M., Yildirim, M. B. and Kilic, K., 2006, "Designing a Global Multi-Disciplinary Classroom: A Learning Experience in Supply Chain Logistics Management," *International Journal of Engineering Education*, Volume 22, No 5, pp. 1105-1114
16. Yildirim, M. B., Cakar, T., Doguc, U.* and Ceciliano Meza. J. C.*, 2006, "Machine Number, Priority Rule, and Due Date Determination in Flexible Manufacturing Systems Using Artificial Neural Networks," *Computers and Industrial Engineering*, Vol. 50, 1, pp. 185- 194
17. Yildirim, M. B., Duman, E. and Duman, D., 2006, "Dispatching Rules for Allocation of Component Types to Machines in the Automated Assembly of Printed Circuit Boards," *Proceedings of ISCIS'06: The 21st International Symposium on Computer and Information Sciences*, Istanbul, Turkey which is published in *Lecture Notes in Computer Science*, Volume 4263, pp. 55-64
18. Duman E. and Yildirim, M. B., 2005, "Workload Balancing in Printed Circuit Board Assembly Shops," *Dogus University Journal*, Vol. 6, 1, pp. 67-78
19. Yildirim, M. B. and Hearn, D. W., 2005, "A First Best Toll Pricing Framework for Variable Demand Traffic Assignment Problems," *Transportation Research-B*, Vol. 39, pp. 659-678
20. Cakar, T., Yildirim, M. B. and Barut, M., 2005, "Neuro-Genetic Approach to Design and Planning of Manufacturing Cell," *International Journal of Intelligent Manufacturing*, Vol. 16, No. 4-5, pp. 453-462
21. Akturk, S. and Yildirim, M. B., 1998 "A New Lower Bounding Scheme for the Total Weighted Tardiness Problem," *Computers and Operations Research*, 25 (4), pp. 265-278
22. Akturk, S. and Yildirim, M. B., 1999, "A New Dominance Rule for the Total Weighted Tardiness Problem," *Production Planning & Control*, 10 (2), pp. 138-149
23. Aksen, D., Aksu, M. Altinel, K. and Yildirim, M. B., 1995, "Scheduling Traffic Lights in a Capacitated Junction," *Turkish Industrial Engineering Journal*, pp. 3-16

BOOK CHAPTERS

1. Yildirim, M. B., 2008, "Network Optimization," in *Operations Research and Management Science Handbook*, CRC Press. Also to appear in *Operations Research Methodologies*, CRC Press
2. Hearn, D. W. and Yildirim, M. B., 2002, "A Toll Pricing Framework for Traffic Assignment Problems Current Trends in Transportation and Network Analysis: Papers in honor of Michael Florian, M. Gendreau and P. Marcotte (Eds.), Kluwer Academic Publishers, pp. 135-145

BOOK REVIEWS

1. Yildirim, M. B., 2000, review of "Locating Lines and Hyperplanes: Theory and Algorithms," by Anita Schobel, *Optimization Methods and Software*, 13, pp. 231-233

CONFERENCE PROCEEDINGS

1. Ghazi Nezami, F.* and Yildirim, M.B., 2011, "A Nonlinear Approach for Integrated Marketing- Economic Production Quantity Problem," *Proceedings of the 2011 Industrial Engineering Research Conference*, Reno, NV
2. Keskinurk, T. and Yildirim, M.B, 2011, "A genetic algorithm metaheuristic for Bakery Distribution Vehicle Routing Problem with Load Balancing," *INISTA 2011*, Istanbul, Turkey
3. Ashkan*S. Jahromi*, Janet M. Twomey, Amin Esmaeili*, Fernando Valenzuela*, Bayram Yildirim, Michael R. Overcash, 2011, "Hospital Radiology Department Overhead Energy Estimation," *2011 IEEE International Symposium on Sustainable Systems and Technology*

4. Ashkan S. Jahromi*, Janet M. Twomey, Michael R. Overcash, Bayram Yildirim, Fernando Valenzuela*, Tyson J. Elsken, Nicholas O. Thomas*, Ashlee N. Mcadam*, and Amin Esmaeil*, 2011, "Energy Consumption of VA Hospital CT Scans," 2011 IEEE International Symposium on Sustainable Systems and Technology
5. Yildirim, M.B., Twomey, J. and Krishnamurthi, R.*, 2010, "Financial Analysis Of Crane Utilization During The Construction Phase Of The Wind Farm," ISFA 2010 International Symposium on Flexible Automation, Tokyo, Japan, June 12-14, 2010.
6. Corcoran, S.*, Twomey, J., Overcash, M. and Yildirim, M.B., 2010, "Energy Inventory of a Turret Punch in a Production Setting," ISFA 2010 International Symposium on Flexible Automation Tokyo, Japan, June 12-14, 2010.
7. Santos-Pinzon, J.E*. and Yildirim, M.B., 2010, "Dynamic Capacity Apportionment Procedure Exposed to different Business Conditions," GRASP 2010, Wichita, KS, 4/23/2010
8. Krishnamurthi, R.* and Yildirim, M.B., 2010, "Impact of Crane Availability During the Construction Phase of the Wind Farm," GRASP 2010, Wichita, KS, 4/23/2010
9. Ceciliano Meza, J.L., Ghazi Nezami, F.* Yildirim, M.B., and Masud, A.S.M., 2010, "A Fuzzy multi objective model for a green generation expansion problem," GRASP 2010, Wichita, KS, 4/23/2010
10. Asmatulu, R., Khan, W.* and Yildirim, M.B., 2009, "Acoustical Properties of Electrospun nanofibers for Aircraft Interior Noise Reduction," ASME International Mechanical Engineering Congress and Exposition, Lake Buena Vista, Florida - November 13-19, 2009, pp. 1-7
11. Küçük, B.*, Kesintürk, T.*, and Yildirim, M. B., 2008, "Scheduling Parallel machines using ant colony optimization metaheuristic," 28th Turkish Industrial Engineering Conference, June 30-July2, 2008, Istanbul, Turkey
12. Mouzon, G*. and Yildirim, M. B., 2008, "A framework to minimize total energy consumption and total tardiness on a single machine," Proceedings of the 4th Annual GRASP Symposium, Wichita State University, pp. 17-18.
13. Asmatulu, R., Khan, W.* and Yildirim, M. B., 2008, "CNT Reinforced Nanocomposite Fiber Fabrication for Undergraduate Students," ASEE 2008 Midwest Regional Conference, Tulsa, OK
14. Asmatulu, R., Khan, W.*, Nguyen, K.D.* and Yildirim, M. B., 2008, "Synthesizing Magnetic Nanocomposite Fibers By Electrospinning Method," Proceedings of IMECE2008 ASME International Mechanical Engineering Congress and Exposition, October 31-November 6, 2008, Boston, Massachusetts, USA
15. Masud, A. M., Yildirim, M. B. and Meza, J. C.*, 2007, "A Multi-Objective Model for Power Generation Expansion Planning," Institute of Industrial Engineering Annual Conference and Exposition, Nashville, TN
16. Jithavech, I.*, Krishnan, K. and Yildirim, M. B., 2007, "Analysis of Material Handling and Scheduling Using Simulation," Institute of Industrial Engineering Annual Conference and Exposition, Nashville, TN
17. Mouzon, G*. and Yildirim, M. B., 2007, "Genetic Algorithm to Solve a Multi-Objective Scheduling Problem," Proceedings of the 3rd Annual GRASP Symposium, Wichita State University, pp. 45-46
18. Yildirim, M. B., Twomey, J. T., Whitman, L. W., Ahmad, J., 2007, "A Framework to Collect, Assess and Reduce Energy Consumption of Manufacturing Equipment," First International Energy 2030 Conference, An International Forum on Energy Resources and Technologies, Abu Dhabi, U.A.E.
19. Asmatulu, R., Yildirim, M.B., Khan, W., Adeniji, A. and Wamocha, H. "Nanofiber Fabrication and Characterization for the Engineering Education," 2007 ASEE Midwest Regional Conference, September 19-21, 2007, Wichita, KS, pp. 1-9
20. Drake, R.*, Yildirim, M. B., Twomey, J. T., Whitman, L. W., Ahmad, J. and Lodhia, P.*, 2006, "Data Collection Framework on Energy Consumption in Manufacturing," Institute of Industrial Engineering Research Conference, Orlando, FL
21. Krishnan, K. K., Jitvatech, I.*, Nayak, C.*, Yildirim, M. B. and Thomas, S.*, 2005, "A Material Handling Scheduling System in an Agent Based Environment," Proceedings of the 35th International Conference, Computers and Industrial Engineering, Istanbul, Turkey, pp. 1215-1220

22. Cetinkaya, C. and Yildirim, M. B., 2004, "Cooperative-Game Theoretical Approach to MAC Protocol for Sensor Networks," Institute of Industrial Engineering Research Conference, Houston, TX
23. Gupta, A.* and Yildirim, M. B., 2004, "A Toll Pricing Framework for Networks with Advanced Traveler Information Systems," Institute of Industrial Engineering Research Conference, Houston, TX
24. Yildirim, M. B., Barut, M. and Kilic, K., 2004, "A Global Learning Experience in Supply Chain Logistics Management," Proceedings of the Fifth International Conference on Information Technology Based Higher Education and Training, ITHET 2004, pp. 263- 268
25. Thomas, S.*, Krishnan, K. K. and Yildirim, M. B., 2004, "A Material Handling Scheduling System in an Agent Based Environment," Proceedings of the 34th International Conference on Computers & Industrial Engineering San Francisco, California, USA, pp. 406-411
26. Yildirim, M. B., Barut, M. and Cakar, T., 2004, "A Neuro-genetic Algorithm for Parallel Machine Scheduling to Determine the Number of Machines and Priority Scheduling Rules," International Conference on Productivity and Quality Research, 10th Commemorative International, Miami, Florida, U.S.A
27. Hearn, D. W., Yildirim, M. B., Ramana, M. V. and Bai, L. H., 2001, "Computational Methods for Congestion Toll Pricing Models," The 4th International IEEE Conference on Intelligent Transportation Systems, Oakland, CA, pp. 257-262

WORK IN PROGRESS

1. Barut, M. and Yildirim, M. B., 2010, "Effectiveness of Capacity Rationing Models," submitted to European Journal of Operational Research
2. Yildirim, M. B. and Iqbal, Q.*, 2011, "The use of wet distillers as a feed for livestock – A sustainability perspective," submitted to International Journal of Sustainable Engineering
3. Mouzon, G.* and Yildirim, M. B., 2011, "A Multicriteria Approach for Parallel-Machine Scheduling with Load Balancing, Total Energy Consumption, and Total Completion Time Objectives," planning to submit to OMEGA
4. Mouzon, G.* and Yildirim, M. B., 2011, "A Comparison of Multiobjective Metaheuristics on Single-Machine Scheduling Problems for Minimization of Energy Consumption," planning to submit to IEEE Transactions on Systems, Man and Cybernetics, Part A: Systems and Humans
5. Yildirim, M. B., Sajjadi, S. R.* and Iqbal, Q.*, 2011, "Optimal Distillers Distribution Planning in Ethanol Supply Chains," plan to submit to International Journal of Production Economics

FUNDING

1. Toll Pricing Strategies in Transportation Networks, NSF-Epscor, 8/1/2003-7/31/2004, \$65,750
2. Planning and Workshop Grant, with Dr. Barut, 2002, The Kansas NSF EPSCoR, Grant, \$6,667, Co-PI
3. A First Best Toll Pricing Framework for Variable Demand Traffic Assignment Problems, URCA, \$ 3,000, 1/1/2003- 6/30/2003, PI
4. Global Learning Grant Award for Collaborative Logistics and Supply Chain Management Course Redevelopment, with Dr. Barut, 2003-2004, WSU-State of Kansas, \$20,118, PI
5. Course Improvement Grant, IME 960A, Network Optimization, \$1,250, 2003, Dean's Office, PI
6. Travel Grant, 2004, Office of International Education, \$1,700, PI
7. Analysis of Coleman Company's Global Supply Chain Design and Distribution Planning, 2004, \$10,000, Co-PI
8. Image database and Web management project, Amerimerc LLC, Wichita, KS, 8/2005-12-2007, \$7,000
9. Comparison of Disaster Logistics Planning and Execution for 2005 Hurricane Season, Midwest Transportation Consortium, 8/2006-4/2007, \$10,000
10. Optimal Multi-Skilled Worker Assignment in Aircraft Manufacturing, 2007, \$4,500, PI

11. Research Study: Inter-relationship of Operational Decisions and Environmental Impacts, with Twomey, J., Ahmad, J. S., Whitman, L. NSF, 9/1/2005-8/30/2007, \$100,000, Co-PI
12. Sustainable Engineered Systems Lab: Equipment Proposal I, 2007 with Twomey, J., Whitman, L. and Liao, H., College of Engineering, \$47,595, Co-PI
13. Sustainable Engineered Systems Lab: Equipment Proposal II, 2007, with Twomey, J., Whitman, L. and Liao, H., College of Engineering, \$ 58,681, Co-PI
14. Aircraft Interior Noise Reduction by Electrospun Polymeric Nanofibers, with Asmatulu, R., Aircraft Design and Manufacturing Research Center, 1/1/2007-12/31/2007, \$100,000, Co-PI
15. Wichita State University Industry University Cooperative Research Center for the Reduction of Waste in Aerospace Logistic Systems, with Twomey, J., Whitman, L. and Liao, H., NSF Planning Grant, 1/1/2007-5/31/2008, \$10,000, Co-PI
16. Supply Chain and Logistics problems in Wind Energy Industry, 2008, part of Sustainable Energy Solutions supported by the Department of Energy, with Twomey (PI), Asmatulu, Liao, Ward, Cetinkaya, \$1,000,000, Co-PI .
17. EAGER: Energy Use in Healthcare Services, 2009, NSF, \$250,000, Co-PI
18. Yildirim, M.B., The Coleman Foundation Faculty Entrepreneurship Fellows Program Application Coleman Foundation, 8/1/2010-7/31/2011, \$10,000, PI
19. Yildirim, M.B., Care and Teaching Times in A Pediatric Primary Care Clinic, WSU ORA, 2010-2011, \$3,000, PI
20. Uner, H. and Yildirim, M.B., Care and Teaching Times in A Pediatric Primary Care Clinic, KU Medical School Deans Office, 2010-2011, \$3,000, PI
21. Uner, H. and Yildirim, M.B., Care and Teaching Times in A Pediatric Primary Care Clinic, Wichita Medical Research Foundation, 2010-2011, \$3,000, PI
22. Yildirim, M.B., Environmental Sustainability and Wind Generation Reliability, Department of Energy, 2010-2011, \$50,000, PI
23. Yildirim, M.B., William J. Kolarik, Dr. Darin Nutter, WSU/University of Arkansas/ Oklahoma State University Industrial Assessment Center, Department of Energy, 8/2006-6/2011, \$25,000, PI
24. Yildirim, M.B., William J. Kolarik, Dr. Darin Nutter, WSU/University of Arkansas/ Oklahoma State University Industrial Assessment Center, Department of Energy, 10/2011-10/2015, \$250,000, PI

GRADUATE STUDENT ADVISING

CURRENT STUDENTS

- Olga Devkota, PhD Student, Analysis of Complex Systems, Exp. Graduation: Fall 2012
- Farnaz Ghazi Nezami, PhD Student, Energy Efficient Scheduling with Reliability, Exp. Graduation: Fall 2012
- Ahmet Akgun, MS Student, Generation Transmission Distribution Expansion Planning in Smart Grids, Exp. Graduation: Fall 2012
- Hessameddin Vali, PhD Student, On the multi-project cash Flow management problem, Exp. Graduation: Spring 2014

DISSERTATIONS COMPLETED

- Gilles Mouzon, PhD Student, Operational Decisions in Energy Efficient Manufacturing, May 2008
- Jose Luis Ceciliano Meza, Multicriteria analysis of power generation expansion planning, 7/17/06
- Sukardi Sukardi, Mathematical modeling and solution methods for worker-activity scheduling problems in a flexible manufacturing system environment, 11/24/03

THESIS COMPLETED

- Qamar Iqbal, Logistics and Distribution of Secondary Products in Bio-fuel Supply Chains, 10/2008
- Karthikeyan Sennappan, Parallel machine scheduling with load balancing and sequence dependent setups, 4/24/2006
- Pushpalatha Vallurupalli, Equilibrium Pricing in Aviation Networks, 8/2004
- Amit Gupta, Toll Pricing Strategies with Advanced Traveler Information Systems, 8/2004
- Raghunandan Yedehalli Venkataram, Revenue Management in health care, 12/2005
- Charuhas Padole, A framework for Supplier Selection, 8/2004

PROJECTS COMPLETED

- Muci Chali Zarzar, Application Of Lean Six-Sigma In A Small Hospitality Firm In Bolivia, November 2010
- Ranjith Kumar Krishnamurthi, Impact of crane availability during construction phase of a wind farm, November 2010
- Jorge Santos Pinzon, Dynamic Capacity Apportionment Procedure Exposed To Different Business Conditions, July 2010
- Zach Thomas, Application of Vehicle Routing Problem Heuristics in Logistics Management, December 2009
- Olga Devkota, Flexible Worker Scheduling, June 2009
- Manindar Singh, Wind Energy Supply Chains, March 2009
- Chung Tan Dat, Project Management of Aircraft Recovery Built, June 2008
- Fatih Kabak, Manufacturability of Electrospun Fibers, June 2008
- Gaurav Vig, Use of enterprise resource planning systems to demonstrate production planning concepts, May 2008
- A. Nabi Shajeed, MS Project, Software to assist learning Engineering Economics, May 2008
- Mouzon, G., Operational methods for minimization of energy consumption of manufacturing equipment, May 2006
- Akash Shirol, RFID in Supply Chain Management and a Method to Evaluate Implementation, 5/2005
- Saugat Roy, Revenue Management in Agribusiness, 8/2004

GRADUATE STUDENT COMMITTEES

- Seven PhD dissertations
- 22 masters thesis
- 19 masters project

NOTEWORTHY STUDENT ACCOMPLISHMENTS

- Saugat Roy won the Dora Wallace Hodgson Outstanding Master's Non-thesis award in the First Graduate Research and Scholarly Projects Annual Symposium in 2005.
- Raghunandan Yedehalli was one of the finalists in the 2005 18th Annual Society for Health Systems Conference student paper competition with a paper titled as "Revenue Management Approach to Appointment Allocation in Rehabilitation Outpatient Clinics."
- Gilles Mouzon is the recipient of the 2007 Institute of Industrial Engineers John S.W. Fargher scholarship for \$1,500 for being the most outstanding graduate student in United States in academics and student chapter involvement.
- Qamar Iqbal's paper on "Enterprise Resource Planning-Benefits and Practical Issues and Rise of Extended Enterprise Resource Planning," won the second place award in the APICS Educational & Research Foundation, Inc., 2007 Region V Donald W. Fogarty International Student Paper Competition
- Qamar Iqbal was awarded with the Beck Excellence in Communication Award with his poster presentation on "Humanitarian Supply Chain Management" in the 2007 College of Engineering Open House
- Ranjith Krishnamurthi is the recipient of the Best Student Poster Presentation Award in the 2010 Regional Energy and Sustainability Conference

PROFESSIONAL SERVICE

- IME Graduate Coordinator, 2011-present
- Board Member, Frontier School System, Kansas City, MI, 2011-present
- Editorial Board Member, Pamukkale University Journal of Engineering Sciences
- Advisor to WSU Turkish Student Association, 2010-present
- Advisor to WSU IIE student chapter, 2004-present
- WSU College of Engineering 2020 committee, 2010-present
- WSU College of Engineering Strategic Planning Committee Faculty recruitment and retention team member, August 2011-present
- WSU Faculty Senate, 2007-present
- Engineering College representative in Faculty Senate Planning and Budget Committee, 2007-present
- IME representative in the graduate council, 2009-2010
- IME Open House coordinator, 2006-present
- WSU College Retrenchment Committee , Member, Fall 2003- present
- WSU Library Dean Search Committee, Member, 2010-2011
- IME Search Committee for systems and reliability positions, Chair, 2010, 2011
- Board member for IIE Local Chapter, 2004-2009
- WSU IME Awards Committee, Member , Fall 2002- present
- Member of Institute for Operations Research and Management Science, Institute of Industrial Engineers, Text and Academic Authors Association and American Society for Engineering Education
- Faculty coordinator/organizer of the 2007 IIE Region V Student Technical Paper Conference.
- Organized IME Departmental Seminars in 2003 and 2004
- Served on the Wichita State University Fulbright Scholarship Panel, 2006
- Served on NSF Review Panel, 2002, 2003
- Planned, developed, and administered a workshop on “Revenue Management in Manufacturing Environment” in December 2002 with Dr. Barut, supported by Kansas NSF EPScOR
- Developed and taught short courses on “Network Optimization” and “ Integer programming for target audience of PhD students Kocaeli University/Turkey in June 2008.
- Referee, Computers and Industrial Engineering, Asia-Pacific Journal of Operational Research, Institute for Industrial Engineering Research Conference Proceedings, Journal of the Franklin Institute, International Journal of Manufacturing Technology and Management, International Journal of Production Research, 2nd International Symposium on Management, Engineering and Informatics: MEI'06, Information Sciences, and International Journal of Operations Research, International Journal Of Operations And Quantitative Management, International Journal of Engineering Education, The Journal Of Management & Engineering Integration, IEEE Transactions on Systems Man & Cybernetics, Part A, ASEE Midwest Section Annual Conference, IEEE Transactions on Power Systems, IEEE Transactions on Engineering Management, OMEGA
- Webmaster, Optima, the newsletter of the Mathematical Programming Society, 1998-2001