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Our Mission Statement

Our mission, as a component of a land-grant institution, is

1. to provide the high quality educational experience in the industrial engineering discipline which will prepare our graduates to contribute successfully to society and to assume leadership roles in industrial, governmental, and academic professions;

2. to provide the state and nation with new knowledge, both basic and applied, in the field of industrial engineering;

3. to provide service to the industrial, governmental, and professional communities through dissemination of research findings, provision of continuing education programs, interaction with industry and professional colleagues, membership on advisory committees, consulting, and other outreach activities.

Our Advisory Council

The mission of the Industrial and Systems Engineering Advisory Council is to provide a continuing liaison between the department and the practicing profession for the purpose of improving the quality of the industrial engineering program at Texas A&M University.

Function 1: to assist in resource development to support the needs and programs of the department.

Function 2: to serve in an advisory capacity to the department head by making recommendations about the goals and programs of the department.

Mr. Kent Beran
Boeing Company

Mr. Gary Cerny
Michels Corporation

Mr. Greg R. Clapp
Fujitsu Network Communications

Ms. Karen Gleasman
Dell, Inc.

Mr. Michael Haack, P.E.,
Halliburton AS

Ms. Victoria L. Hunter
Lee Hecht Harrison

Mr. James Knickel
Raytheon Systems

Mr. Dean Liollio
PAA Natural Gas Storage, LLC

Mr. Greg Loppatto
UPS

Mr. James Menke
Flextronics

Mr. John A. Scott
Parsons Corporation

Mr. Douglas W. Sellers
Accenture

Mr. Lee Sneddon
Intel Corporation

Mr. Rob Trimble, Ill
Oncor Electric Delivery

Front Cover

Work continues apace on the Emerging Technologies and Economic Development Building, new home of the Department of Industrial and Systems Engineering when completed in 2011. The building will also house the Department of Biomedical Engineering, Coastal Deepwater Program laboratories, Visualization Program laboratories, and other interdisciplinary research initiatives.
I’m pleased to share with you the 2009 Annual Report from the Department of Industrial and Systems Engineering at Texas A&M University. It highlights some of the many activities and accomplishments of our faculty and students during the past year. I hope it provides you a glimpse into the meaningful and exciting work being performed.

Both the Dwight Look College of Engineering and the Department of Industrial and Systems Engineering remain highly ranked and well regarded. We continue to build on this foundation of excellence and expand into new endeavors and broaden our research impact. Several new initiatives are underway and many exciting opportunities exist at Texas A&M.

As always, the faculty and staff are working together to achieve at the highest level possible those goals outlined in our mission statement. This report summarizes their scholarly activity and high level of academic achievements. I would welcome hearing from you should you have questions or feedback on the department’s activities as we continue to expand and enhance our program.

Greetings from the Department Head

Brett A. Peters
The Department of Industrial and Systems Engineering presented Darryl Heath ’84 and Dean Liollio ’83 with Outstanding Former Student Awards at the department’s annual awards banquet.

Heath is a managing partner of Accenture, a leading global management and technology consulting and outsourcing firm. He has been with Accenture nearly 24 years and his current role involves leading all of Accenture’s global activities with the PepsiCo Corporation and its divisions of Pepsi Cola, Frito Lay, Quaker Oats, Gatorade, and Tropicana. While at A&M, Heath was chairman of MSC Town Hall, a Fish Camp chairman, and a Buck Weirus award winner. He previously served on the department’s Industrial Advisory Council and now serves as a member of the College of Engineering’s Advisory Board. He is a director for the 12th Man Foundation, participates in the MSC Spencer Leadership Conference, is the founding member of the Accenture sponsored Leadershape program within Student Affairs, and is the Accenture campus recruiting lead for Texas A&M.

Liollio began his career with Entex, a natural gas utility headquartered in Houston. After the company went through numerous mergers, Liollio joined CenterPoint Energy and became the president & COO of its largest natural gas utility business unit. In 2006 he became president and chief executive officer of EnergySouth, Inc., a publicly traded company with both natural gas storage and utility businesses headquartered in Mobile, Alabama. This past November he relocated back to Houston and brought his nearly 30 years of experience in the energy industry to Plains All American, where he became President of PAA Natural Gas Storage LLC. Liollio currently serves on the Board of Directors of the Southern Gas Association; the Board of Directors of Providence Hospital in Mobile, Alabama; Board of Trustees, St. Paul's Episcopal School; and is a former Director of the American Gas Association, United Way of Southwest Alabama, Mobile Area Council Boy Scouts of America and Camp-Rap-A-Hope. He graduated from the Louisiana State University Executive Education Program in 1997, and is a recent 2008 graduate of Leadership Alabama. Liollio has served on the Industrial and Systems Engineering Advisory Council since 1998.
William Michael Barnes ’64 is the inaugural recipient of the Texas Council of Industrial Engineering Academic Department Heads Lifetime Achievement Award, which was presented to him April 2 at the Department of Industrial and Systems Engineering annual awards banquet. Presenters were Brett Peters, Head of the ISEN Department at Texas A&M and Hamid Parsaei, Chair of the Department of Industrial Engineering at the University of Houston and Chair of the Texas CIEADH. Barnes earned his bachelor’s and master’s degrees in industrial engineering and a Ph.D. in operations research at Texas A&M.

Early in his career, Barnes served as expert consultant to the Assistant Postmaster in Washington, D. C. He was also an instructor of maintainability engineering for Texas A&M at the U.S. Army Logistics Training Center, and a visiting professor of computer science at Southern Methodist University. In 1968 Barnes joined Collins Radio, which was acquired by Rockwell in 1971. In 1972 Barnes was named director of finance for the Rockwell MOS/Components Division. In 1973, he was promoted to vice president and general manager of Rockwell Collins Communications Switching Systems Division. From 1991 until his retirement in 2001, Barnes served as senior vice president and CFO of Rockwell International. At the time of his retirement, Rockwell was a multi-billion industrial manufacturing company with businesses in aerospace, defense electronics, semiconductor systems, factory automation products, automotive components, and graphic systems.

Barnes serves on numerous boards and councils. He was named an outstanding alumnus by the Look College of Engineering in 1992 and by the Department of Industrial and Systems Engineering in 2002. Barnes is a member of the Chancellor’s Century Council and serves on the College’s Engineering Advisory Council.

Hamid Parsaei (l) and Brett Peters (r) present Industrial Engineering Lifetime Achievement Award to Mike Barnes
Ntaiamo Receives NSF CDI Grant

Dr. Lewis Ntaiamo, assistant professor in the Department of Industrial and Systems Engineering, and research collaborators at Georgia State University (Dr. Xiaolin Hu), Oklahoma State University (Drs. Ming Xue and Yang Hong) and Oak Ridge National Lab (Dr. James Nutaro) have been awarded a $1,000,000 four-year grant by the National Science Foundation Cyber-enabled Discovery and Innovation (CDI) program for their project “Collaborative Research: CDI-Type II–Integrated Weather and Wildfire Simulation and Optimization for Wildfire Management.”

The complexity of wildfire management is due to the uncertainties of interactions among multiple system components such as wildfire behaviors, weather conditions, and firefighting resources. To achieve effective wildfire management, decision making tools which integrate all these factors are needed. This project focuses on computational thinking for understanding the complexity in the natural systems of weather and wildfire behavior, and in the man-made system of firefighting resources management.

Dr. Ntaiamo will be collaborating with the Texas Forest Service on this project to develop new decision models for wildfire emergency response planning.

Gaukler Directs Systems Portion of SHIELD

Assistant Professor Gary Gaukler is directing the systems portion of a $7.5 million interdisciplinary project called SHIELD (Smuggled HEU Interdiction through Enhanced analysis and Detectors), funded by the National Science Foundation and the Domestic Nuclear Detection Office of the Department of Homeland Security. The purpose of the project is to develop a new sensor detection system to find highly enriched uranium or plutonium hidden in the millions of shipping containers which pass through U.S. ports each year. Associate Professor Yu Ding and postdoctoral fellow Chenhua Li, also from the Department of Industrial and Systems Engineering, are collaborating with Gaukler on this project.

Gaukler explains that SHIELD is not just developing detectors, but developing a system for their smartest use. This is a global, strategic effort to stop nuclear smuggling.

Nuclear engineer William Charlton heads detector technology, Wolfgang Bangerth from the Department of Mathematics leads the radiative transfer and inverse group, while Arnold Vedlitz of the Institute for Science, Technology and Public Policy in the Bush School of Government and Public Service studies the policy and social implications.
Gautam and Ntaimo Study Energy in Centers

Associate Professor Natarajan Gautam and Assistant Professor Lewis Ntaimo have been awarded a $240,000 two-year grant by the National Science Foundation Service Enterprise Systems program for their project “EAGER: Reducing Energy Consumption in Data Centers.” This grant provides funding to develop models and methodologies for reducing energy consumption in data centers to the maximum extent possible without degrading the quality of service. The two researchers will integrate stochastic optimization and stochastic optimal control algorithms to determine: a) the optimal set of meta-applications for virtualization in multiple servers; b) the optimal strategy to control server speeds by dynamic voltage scaling; c) optimal rules for real time cluster sizing. The algorithms will be developed and integrated under a unified multi-time scale platform to exploit their benefits. These methodologies will be used to combine pro-active planning with real time control to reduce energy consumption, operating costs and greenhouse gas emissions from data centers.

INFORMS Students Score in San Diego

Texas A&M INFORMS student members stood out at the 2009 INFORMS Annual Meeting held in San Diego in October. The chapter was honored once again with the Summa Cum Laude Award, which is the highest distinction given to student chapters. Only one other chapter in the nation was granted the award this year.

Panitan Kewcharoenwong was named Who’s Who Among Students in American Colleges and Universities. He also received the 2009 Judith Liebman Award from the Institute for Operations Research and Organization Management. This award was established to recognize outstanding student volunteers who have been “moving spirits” in their universities and their student chapters. Panitan was a member of IIE and INFORMS, where he served in several officer positions including president. He was also president of the Thai Student Association for 2 years. His dissertation is entitled “Relay Network Design in Logistics and Telecommunications: Models and Solution Approaches.” Panitan is currently doing post-doctoral work at Northwestern University. His advisor at Texas A&M was Halit Uster.
Accenture has provided $1200 in matching funds in the last year.

An anonymous donor has established a Faculty Fellowship in Industrial and Systems Engineering in the amount of $100,000 to provide an annual award recognizing outstanding teaching, research, service, and professional development activities of junior faculty members in the department.

The Caterpillar Foundation has given $10,000 to the Industrial and Systems Engineering Department in support of the senior capstone design course.

Electronic Power Design has given $2500 in support of the senior capstone design course.

Exxon Mobil has given $2000 in unrestricted funds to the Industrial and Systems Engineering Improvement Fund to be used at the discretion of the department head.

Flextronics has given $2500 in support of the senior capstone design course.

Milden J. Fox, Jr.’69, emeritus professor, has given $1000 in unrestricted funds to the Industrial and Systems Engineering Improvement Fund to be used at the discretion of the department head.

Mr. and Mrs. Jim Furber ’64 of Johnson City have established the Corrie and Jim Furber ’64 Faculty Fellows in Industrial and Systems Engineering with an endowed fund in the amount of $100,000. Distributions from this endowment will be used to support the teaching, research, service, and professional development of the holders.

Halliburton, represented on the Industrial and Systems Engineering Advisory Council by Michael Haack, has given $2500 in support of the senior capstone design course.

Intel Corporation has provided $9262 in matching funds in the last year.

Mr. and Mrs. Constantine “Dean” Liollio ’83 of Houston have established the Liollio Family Faculty Fellowship in the amount of $100,000. This fellowship will be a valuable tool for attracting, rewarding, and retaining the department’s most outstanding junior faculty.

National Oilwell Varco has given $2600 in unrestricted funds to the Industrial and Systems Engineering Improvement Fund to be used at the discretion of the department head. In addition, they have given $2000 in support of the senior capstone design course.

Parsons Corporation, represented on the Industrial and Systems Engineering Advisory Council by John Scott, has underwritten the Parsons Seminar Series and the Industrial and Systems Engineering Honors and Awards Banquet for the seventh year in a row with a gift $15,000. In addition, Parsons has give $20,000 to fund two career development professorships in project management at the associate professor level.

Mr. James Porter ’58 of Abilene has donated $2500 to the Alpha Pi Mu 50th Anniversary Scholarship Fund.

Solar Turbines has given $2500 in support of the senior capstone design course.

Texas Mutual Insurance has given $1600 in support of the senior capstone design course.

Mr. Allen Williford ’58 of Houston has donated $1000 to the Alpha Pi Mu 50th Anniversary Scholarship Fund.
Sila Çetinkaya

Sila Çetinkaya was promoted to professor and Sergiy Butenko was promoted to associate professor with tenure effective September 1, 2009.

Dr. Çetinkaya joined the department as an assistant professor in 1997. Her Ph.D. is in management science from McMaster University in Canada. Dr. Çetinkaya specializes in supply chain management. Her current research examines inventory, production, and transportation issues in the context of supply chain integration and coordination. She teaches courses in production planning and control, inventory theory, and supply chain coordination.

Sergiy Butenko

Sergiy Butenko was promoted to associate professor with tenure effective September 1, 2009. Dr. Butenko came to Texas A&M as an assistant professor in 2003. His Ph.D. is in operations research from the University of Florida. Dr. Butenko’s research concentrates mainly on global and discrete optimization and their applications. In particular, he is interested in theoretical and computational aspects of continuous global optimization approaches for solving discrete optimization problems on graphs. Applications of interest include network-based data mining, computational biology, social networks and remote sensing.

Sara McComb

Associate Professor Sara McComb participated in the National Academy of Engineering’s 15th Annual Frontiers of Engineering Symposium at the University of California-Irvine. This three day event brought together the brightest young engineers in the country who are doing cutting-edge research and technical work in a variety of disciplines. The symposium examined engineering tools for scientific discovery, engineering the health care delivery system, nano/micro photonics, and resilient and sustainable infrastructures.

Halit Uster

Associate Professor Halit Üster was named the 2009 Eshbach Society Distinguished Visiting Scholar in the McCormick School of Engineering and Applied Science at Northwestern University.
Faculty Accomplishments

Amarnath Banerjee
Associate Professor and Director of Undergraduate Program
Ph.D., University of Illinois at Chicago
banerjee@tamu.edu

Dr. Banerjee’s research interests are in virtual manufacturing, simulation, image processing, real-time video processing, augmented reality and human behavior modeling. He directs the Advanced Virtual Manufacturing and Augmented Reality Laboratory. He teaches courses in manufacturing and production systems design and control, facilities planning, virtual manufacturing and simulation.

Research
Edwards, J. C., K. Mechler and A. Banerjee, “Improving Texas Rural Community Healthcare through HIT Implementation,” 2007-2009, Texas Office of Rural Community Affairs, $1,600,000 (ISEN portion $18,205)


Ntiamo, L. (PI), A. Banerjee (Co-PI) and K. Kianfar (Co-PI), “Reducing Medication Errors in Pediatrics,” 2009-2010, National Science Foundation I/UCRC through the Texas A&M Health Science Center, Center for Health Organization Transformation, $50,000

Proceedings and Other Publications


Presentations


Professional Activities
Appointment, Technical Infrastructure Workgroup, Texas Health Services Authority

Member, Program Committee, IEEE Conference on Automation Science and Engineering

Member, Technical Program Committee, Special Session on Executable Architectures, International Symposium on Collaborative Technologies and Systems

Member, Tutorial Board and Scholarship Committee, Interservice/Industry Training, Simulation and Education Conference


Session Chair, Winter Simulation Conference

Session Chair, Interservice/Industry Training, Simulation and Education Conference

Session Chair, International Conference on Value Chain Sustainability

Session Chair, IEEE International Conference on Systems, Man and Cybernetics

Session Chair, 5th Annual IEEE Conference on Automation Science and Engineering

Contact Information
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Office: 306B Engineering Education and Research Center
Website: http://www.tamu.edu/ise/
Faculty Accomplishments

Session Chair, IIE Annual Research Conference
Session Chair, International Symposium on Collaborative Technologies and Systems

Associate Editor, Journal of Manufacturing Systems

Associate Editor, International Journal of Services Operations and Informatics

Reviewer, Virtual Reality
Reviewer, Computers and Industrial Engineering

Reviewer, International Journal of Production Research
Reviewer, Journal of Manufacturing Systems

Reviewer, ASME Journal of Computing and Information Science in Engineering
Reviewer, International Symposium on Collaborative Technologies and Systems

Reviewer, IIE Annual Research Conference
Reviewer, IEEE Conference on Automation Science and Engineering

Reviewer, International Conference on Value Chain Sustainability

Reviewer, IEEE International Conference on Systems, Man and Cybernetics

G. Kemble Bennett
Professor, Vice Chancellor and Dean of Engineering
Ph.D., Texas Tech University
kem-bennett@tamu.edu

Dr. Bennett specializes in work related to homeland security. His interests also include engineering management, quality, logistics and reliability engineering. He has served on several government blue ribbon panels for the Department of Homeland Security, Department of Justice and the FBI. He currently serves as Executive Director of the National Emergency Response and Rescue Training Center.

Presentations
Bennett, G. K., Welcome Remarks, Texas A&M University - Qatar Commencement Ceremony, Doha, Qatar, May 2009
Bennett, G. K., Opening and Welcome Remarks, “Research and Education in a Flat World,” National Science Foundation CMMI Grantees Conference, Honolulu, Hawaii, June 2009
Bennett, G. K., Bovay Lecture, “The Practice of Engineering,” Texas A&M University, College Station, Tex., November 2009

Professional Activities
Chair, Federal Emergency Management Agency (FEMA)
National Advisory Council
Chair, Texas Board of Professional Engineers
Member, Licensing Committee, Texas Board of Professional Engineers
Education Advisory Liaison, Texas Board of Professional Engineers

Sergiy Butenko
Associate Professor
Ph.D., University of Florida
butenko@tamu.edu

Dr. Butenko’s research concentrates mainly on global and discrete optimization and their applications. In particular, he is interested in theoretical and computational aspects of continuous global optimization approaches for solving discrete optimization problems on graphs. Applications of interest include network-based data mining, computational biology, social networks and remote sensing.

Research
Balasundaram, B. (PI), S. Butenko (Co-PI), V. Boginski (Co-PI) and S. Uryasev (Co-PI), “Robust Optimization for Connectivity and Flows in Dynamic Complex Networks,” 2009-2012, Department of Energy, $589,092 (ISEN portion $158,580 via subcontract from Oklahoma State University)


Butenko, S., “Optimization Techniques for Analysis of
Faculty Accomplishments

Biological and Social Networks,” 2009 - 2011, Air Force Office of Scientific Research, Young Investigator Program, $300,000

Butenko, S., “Phase Transition Problems in Complex Networks: Clique Relaxations,” 2009 - 2011, Air Force Research Laboratory, $75,000

Butenko, S., Pathways to the Doctorate Research Assistantship Award, 2009–2010, Office of the Vice President for Research, Texas A&M University, $25,000


Referred Journal Articles


Butenko, S., W. A. Chaovalitwongse and P. M. Pardalos (Eds.), Clustering Challenges in Biological Networks, Springer, 2009


Presentations


Boginski, V. S. Butenko and S. Trukhanov, “Network-based Approaches to Portfolio Selection,” IIE Annual Research Conference, Miami, Fla., May 2009


Professional Activities

Invited Participant, Decision Sciences Workshop, Army Research Office

Reviewer, Department of Energy Early Career Research Program

Reviewer, National Science Foundation

Member, Organizing and Scientific Committee, International Conference on Economics, Management, and Optimization in Sports

Member, Program Committee, 3rd Annual International Conference on Combinatorial Optimization and Applications

Session Organizer and Chair, 20th International Symposium on Mathematical Programming

Session Organizer, IIE Annual Research Conference

Editorial Board Member, Journal of Combinatorial Optimization

Editorial Board Member, Journal of Global Optimization

Editorial Board Member, Optimization Letters

Editorial Board Member,
Sila Cetinkaya
Professor
Ph.D., McMaster University
sila@tamu.edu

Dr. Çetinkaya specializes in supply chain management. Her current research examines inventory, production, and transportation issues in the context of supply chain integration and coordination. She teaches courses in production planning and control, inventory theory, and supply chain coordination.

Research

Tekin, E. (PI) and S. Çetinkaya (Co-PI), “Supply Chain Revenue Management: Mitigating Profit-at-risk in Manufacturing and Distribution Networks,” 2006-2009, National Science Foundation, $250,000

Üster, H. (PI) and S. Çetinkaya (Co-PI) and E. Akçali, “Collaborative Research: Analytical Approaches for the Design and Operation of Closed-Loop Supply Chains,” National Science Foundation, 2005-2009, $303,258 (ISEN portion $182,212)

Refereed Journal Articles


Presentations
Çetinkaya, S., invited seminar speaker, The George Washington University, Institute for Reliability and Risk Analysis, April 2009


Professional Activities
Associate Editor, Naval Research Logistics
Member, Editorial Board, International Journal of Inventory Research
Judge, Student Paper Competition, POMS College of Supply Chain Management
Member, Review Committee, MSOM Conference
Panelist, National Science Foundation
Reviewer, Israel Research Foundation
Member, Organizing Committee, INFORMS Annual Meeting 2010
Reviewer, Manufacturing and Service Operations Management
Reviewer, Operations Research
Reviewer, Naval Research Logistics

Guy L. Curry
Professor and Director of Graduate Program
Ph.D., University of Arkansas
g-curry@tamu.edu

Dr. Curry specializes in the application of operations research techniques to the design and analysis of manufacturing systems. He teaches courses in optimization and production systems.

Proceedings and Other Publications

Abhijit Deshmukh
Professor
Ph.D., Purdue University
deshmukh@tamu.edu
Faculty Accomplishments

Dr. Deshmukh’s research interests are in distributed decision-making (design, analysis and control of large-scale distributed decision systems, complex systems and complexity in decision-making, coordination and inferencing in distributed sensor networks, multi-scale decision models, negotiation protocols, computational grids, biological and natural systems), enterprise systems (multi-agent models of extended enterprises, dynamic pricing, contract portfolio selection, risk hedging in planning, cyberinfrastructure for enterprises), and design theory (distributed design, simulation based engineering design, life-cycle cost estimation, uncertainty propagation).

Research


Refereed Journal Articles

Proceedings and Other Publications
Ball, D., R. Yan, R. Gao and A. Deshmukh, “Inferencing in Large Scale Sensor Networks,” Recent Advances in Maintenance and Infrastructure Management, R. Cigolini, et al. (Eds.), Springer-Verlag, 2009, 52-64


Presentations

Deshmukh, A., “On Ants, Space Shuttles and Tracking Tornadoes,” Department of Industrial and Systems Engineering, Rutgers University, October 2009


Professional Activities
Co-Chair, National Science Foundation CMMI Research and Innovation Conference: Research and Education in a Flat World

Member, Scientific Committee, Fourth International Conference on Maintenance Management

Co-Chair, Computer and Information Systems Track, IIE Annual Research Conference

Member, WTEC Panel on Simulation Based Engineering and Science

Site Visit Panel Member, NEES, National Science Foundation

Member, NEES Operations
Dr. Ding’s research interests are in the area of quality and reliability engineering, with emphases on data-mining methods for analysis and design and optimal utilization of distributed sensor systems. His recent projects are funded by the National Science Foundation, the State of Texas, and industry. He teaches courses in quality control, change and anomaly detection, prediction methods, and design of experiments.

**Research**

Ding, Y., “CAREER: Collaborative Information Processing of Distributed Sensor Networks for Manufacturing Quality Improvements,” 2004-2009, National Science Foundation, $400,000


Ding, Y. (PI), “Collaborative Research: Fault Tolerance Analysis and Design of Clustered Sensor Networks,” 2007-2010, National Science Foundation, $161,336 (In collaboration with Dr. Yong Chen at the University of Iowa)

Ding, Y. (PI) and F. Liang (Co-PI), “Collaborative Research: Efficient Probabilistic Approach Using Order Reduction and Hybrid Models -- A New Paradigm for Structural Dynamic Analysis,” 2009-2010, National Science Foundation, $80,970 (ISEN portion $64,150) (In collaboration with Jiong Tang at the University of Connecticut)


Mallick, B. (PI), Y. Ding (Co-PI) and H. Liang (Co-PI), “Bayesian Hierarchical Models for Integrating Multi-resolution Information,” 2008-2010, Texas Higher Education Coordination Board Advanced Research Program, $150,000 (ISEN portion $50,000)


**Refereed Journal Articles**


**Proceedings and Other Publications**


**Presentations**

Ding, Y., “Modeling Framework for Detecting HEU in Seaborne Containers,” Department of Mechanical Engineering, University of Texas at Austin, February 2009

Ding, Y., “Integrating Multi-resolution Data for Engineering Prediction,” Department of Industrial Engineering, Arizona State University, February 2009

Ding, Y., “Modeling Framework for Detecting HEU in Seaborne Containers,” Department of Industrial and Systems Engineering, University of Southern California, February 2009

Ding, Y., “Integrating Multi-resolution Data for Engineering Prediction,” Department of Industrial and Manufacturing Engineering, Florida State University, March 2009


Ding, Y., “From Sensor Networks to System Informatics,” Quality Science Center, Chinese Academy of Sciences, July 2009

Richard M. Feldman  
Professor  
Ph.D., Northwestern University  
richf@tamu.edu

Dr. Feldman specializes in applied probability, simulation and operations research. He is currently part of two interdisciplinary research teams, one team from the Entomology and Geography Departments, and one team within the Texas Transportation Institute. Dr. Feldman is primarily responsible for developing simulation tools for these teams. He teaches simulation, operations research, stochastic processes, and queueing theory.

Gary M. Gaukler  
Assistant Professor  
Ph.D., Stanford University  
gaukler@tamu.edu

Dr. Gaukler’s research interests center around the impact of automatic identification and sensor technologies such as RFID on supply chain operations. Currently, he is also working on designing robust sensor networks to prevent terrorists from smuggling nuclear materials into the United States. This research is funded jointly by NSF and the Department of Homeland Security. Dr. Gaukler directs the RFID and Supply Chain Systems Lab and teaches courses in operations management and logistics.

Research


Gary M. Gaukler

Assistant Professor  
Ph.D., Stanford University  
gaukler@tamu.edu

Dr. Gaukler’s research interests center around the impact of automatic identification and sensor technologies such as RFID on supply chain operations. Currently, he is also working on designing robust sensor networks to prevent terrorists from smuggling nuclear materials into the United States. This research is funded jointly by NSF and the Department of Homeland Security. Dr. Gaukler directs the RFID and Supply Chain Systems Lab and teaches courses in operations management and logistics.

Research


Professional Activities

Member of Board, Oil & Gas RFID Consortium

Chair, Professional Recognition Committee, INFORMS

Participant, Young Practitioners Connection, INFORMS Practice Conference

Session Chair and Organizer, IIE Annual Research Conference

Session Chair and Organizer, INFORMS Annual Meeting

Moderator, Panel Discussion on Homeland Security Research, INFORMS Annual Meeting

Reviewer, Production and Operations Management
Natarajan Gautam  
Associate Professor  
Ph.D., University of North Carolina at Chapel Hill  
gautam@tamu.edu

Dr. Gautam’s areas of interest include developing methods for analyzing stochastic systems; control, performance evaluation and optimization; queues and networks. His specific research domains include energy conservation and efficiency; dynamics and interactions of biological systems; computer and information infrastructure.

Research
Gautam, N. (PI) and L. Ntaimo (Co-PI), “Reducing Energy Consumption in Data Centers,” 2009-2011, National Science Foundation, $240,000


Professional Activities
Session Organizer, INFORMS Annual Meeting

Organizing Committee, invited Cluster Co-chair, 2010 INFORMS Annual Meeting

Proceedings and Other Publications


Presentations


Gautam, N., “Optimizing Energy Consumption in Data Centers,” Parsons Seminar Series, Department of Industrial and Systems Engineering, Texas A&M University, College Station, Tex., September 2009


Professional Activities
Session Organizer, INFORMS Annual Meeting

Organizing Committee, invited Cluster Co-chair, 2010 INFORMS Annual Meeting

Facility Accomplishments

Review, Operations Management

Reviewer, Management Science

Reviewer, Operations Research

Reviewer, Annals of Operations Research

Reviewer, International Journal of Production Research

Organizing Committee, 2010 IIE Annual Research Conference

Cluster Co-chair, Computing and Information Systems Division

Invited Participant, Winedale Workshop on Networks and Learning, Texas A&M University, University of Texas at Austin and Rice University

Invited Participant, Workshop on Educating Industrial and Systems Engineering Students to Meet the NAE Grand Challenges, North Carolina State University

President, IIE Computer and Information Systems Division

Regional Director, Central North America Omega Rho (Operations Research International Honors Society)

Member of Council, INFORMS Telecommunication Section

Associate Editor, INFORMS Journal on Computing

Reviewer, Operations Research

Reviewer, IIE Transactions

Reviewer, IEEE Transactions on Communications

Reviewer, IEEE Transactions on Automation Science and Engineering

Reviewer, IEEE Systems, Man and Cybernetics (Part A)

Reviewer, International Journal of Mobile Network Design and Innovation
Andrew Johnson  
Assistant Professor  
Ph.D., Georgia Tech  
ajohnson@tamu.edu  
Dr. Johnson's research interests are in productivity measurement, warehouse operations and design, web applications to support decision making, modeling and analysis of revenue management applied to logistics, reference model development for industrial systems, and enterprise transformation.

Research  
Deshmukh, A. (PI), A. Johnson (Co-PI) and J. Rohack (Co-PI), “EAGER: Engineering Incentives for Health Care Systems,” 2009-2011, National Science Foundation, $260,000 (ISEN portion $230,700)

Johnson, A. L., “Japan Society for the Promotion of Science Invitation Fellowship Program for Research in Japan,” 2009, $6,500

Refereed Journal Articles  


Johnson, A. L. and T. Kuosmanen, “Nonparametric Efficiency Estimation in the Presence of Contextual Variables,” 7th International Conference on Data Envelopment Analysis, Xi, Pisa, Italy, June 2009


Johnson, A. L., “An Analytical Model for a Conveyor-based Material Handling System with Crossovers in Semiconductor Wafer Fabs,” Department of Information and Communication Sciences, Faculty of Science and Technology, Sophia University, Tokyo, Japan, May 2009


Professional Activities  
Session Organizer, Data Envelopment Analysis: Methods and Applications, INFORMS Annual Meeting

Session Organizer, DEA in Banking and Investment, INFORMS Annual Meeting

Track Organizer, Facility Logistics, INFORMS Annual Meeting

Faculty Accomplishments

Nonparametric Least Squares Regression,” Data Envelopment Analysis Symposium, Philadelphia, Pa., 2009


Presentations  


Johnson, A. L., “An Analytical Model for a Conveyor-based Material Handling System with Crossovers in Semiconductor Wafer Fabs,” Department of Information and Communication Sciences, Faculty of Science and Technology, Sophia University, Tokyo, Japan, May 2009


Johnson, A. L. and T. Kuosmanen, “Nonparametric Efficiency Estimation in the Presence of Contextual Variables,” 7th International Conference on Data Envelopment Analysis, Xi, Pisa, Italy, June 2009


Johnson, A. L., “An Analytical Model for a Conveyor-based Material Handling System with Crossovers in Semiconductor Wafer Fabs,” Department of Information and Communication Sciences, Faculty of Science and Technology, Sophia University, Tokyo, Japan, May 2009


Professional Activities  
Session Organizer, Data Envelopment Analysis: Methods and Applications, INFORMS Annual Meeting

Session Organizer, DEA in Banking and Investment, INFORMS Annual Meeting

Track Organizer, Facility Logistics, INFORMS Annual Meeting
Georgia-Ann Klutke
Professor
Ph.D., Virginia Polytechnic Institute and State University
klutke@tamu.edu

Dr. Klutke’s research interests are in the areas of applied probability and stochastic processes, with particular emphasis on problems that arise in production and service systems. Her work has examined queueing behavior, inspection and maintenance scheduling, product flow control, degradation processes, information structure in decision models and layout of retail facilities. She teaches courses in operations research, queueing theory, stochastic processes, engineering systems design, production operations, reliability and maintenance science.

Kiavash Kianfar
Assistant Professor
Ph.D., North Carolina State University
kianfar@tamu.edu

Dr. Kianfar’s primary research interest is the theory and application of mathematical programming. His recent research has been focused on valid inequalities for mixed integer programming problems. He has also done research on the application of mathematical programming, computer simulation, and stochastic models in production and healthcare systems. He teaches courses in optimization and mathematical programming.

Kiavash Kianfar
Assistant Professor
Ph.D., North Carolina State University
kianfar@tamu.edu

Dr. Kianfar’s primary research interest is the theory and application of mathematical programming. His recent research has been focused on valid inequalities for mixed integer programming problems. He has also done research on the application of mathematical programming, computer simulation, and stochastic models in production and healthcare systems. He teaches courses in optimization and mathematical programming.

Research

Moreira, R. G. (PI), M. E. Castell-Perez (Co-PI), G-A. Klutke (Co-PI) and J. Ancisco (Co-PI), “Specialty Crop Block Program,” 2009-2010, Texas Department of Agriculture, $78,439 (ISEN portion $5000)

Proceedings and Other Publications

Presentations

Kianfar, K., Mixed Integer Programming Workshop, Invited Speaker, University of California-Berkeley, Calif., June 2009


Co-Track Organizer, Round-table: Interfaces with Engineering Applications, European Workshop on Efficiency Productivity Analysis XI 2009 (EWEPA XI)

Participant, DEA Cluster, Japanese Operations Research Society Meeting

Invited Academic, ProMat 2009,


Reviewer, International Journal of Production Research

Reviewer, Journal of the Operations Research Society


Professional Activities
Associate Editor, Scientia Iranica Transactions on Industrial Engineering
Session Chair, INFORMS Annual Meeting
Reviewer, INFORMS Journal on Computing
Reviewer, Optimization Letters
Reviewer, Scientia Iranica

Research
Ntiamo, L. (PI), A. Banerjee (Co-PI) and K. Kianfar (Co-PI), “Reducing Medication Errors in Pediatrics,” 2009-2010, National Science Foundation I/UCRC, through the Texas A&M Health Science Center, Center for Health Operation Transformation, $50,000

Refereed Journal Article

Georgia-Ann Klutke
Professor
Ph.D., Virginia Polytechnic Institute and State University
klutke@tamu.edu

Dr. Klutke’s research interests are in the areas of applied probability and stochastic processes, with particular emphasis on problems that arise in production and service systems. Her work has examined queueing behavior, inspection and maintenance scheduling, product flow control, degradation processes, information structure in decision models and layout of retail facilities. She teaches courses in operations research, queueing theory, stochastic processes, engineering systems design, production operations, reliability and maintenance science.
Faculty Accomplishments

V. Jorge Leon
Allen-Bradley Professor in Factory Automation
Joint Appointment with Engineering Technology
Ph.D., Lehigh University
jleon@tamu.edu

Dr. Leon’s research interests are in manufacturing system optimization, finite-capacity resource planning and scheduling, applications of combinatorial optimization and heuristic search. Recent work involves the study of collaborative distributed production systems and global manufacturing. (Dr. Leon’s primary appointment is to the Department of Engineering Technology and Industrial Distribution.)

Research
Lawrence, B. and V. J. Leon (Co-PI’s), “Mexico-Texas Trade Corridor Consortium,” 2009-2010, various sponsors, $530,000

Professional Activities
Member, Accreditation Committee, Society of Manufacturing Engineers
Member, ABET Technology Accreditation Commission

Sara McComb
Associate Professor
Ph.D., Purdue University
mccomb@tamu.edu

Research

Presentations


Proceedings and Other Publications
Cigolini, R., A. Deshmukh, L. Fedele and S. A. McComb (Eds.), Recent Advances in Maintenance and Infrastructure Management, Springer-Verlag, London, 2009

McComb, S. A., “Enhancing Collaboration through Team Cognition: Shifting Perspectives from the Individual to the Team,”
Lewis Ntaimo
Assistant Professor
Ph.D., University of Arizona
ntaimo@tamu.edu

Dr. Ntaimo’s research interests are stochastic programming, discrete event modeling and simulation, and systems modeling. His research focuses on decomposition algorithms for large-scale optimization problems characterized by uncertainty in the problem data. Applications include wildfire management, healthcare, facility location, and supply chain planning. He teaches courses in stochastic programming, systems thinking and analysis, facilities planning and material handling, and operations research.

Professional Activities
Panel Reviewer, National Science Foundation, Virtual Organizations as Sociotechnical Systems
Editorial Board Member, International Journal of Services and Operations Management
Reviewer, Journal of Engineering and Technology Management
Reviewer, IEEE Transactions on Engineering Management
Reviewer, Journal of Management
Reviewer, Human Factors
Reviewer, Engineering Management Journal
Reviewer, Theoretical Issues

Research
Ntaimo, L., “CSR-CSI: System Integration of Dynamical Data Driven Wildfire Spread and Firefighting Modeling, Simulation, and Optimization,” 2007-2009, National Science Foundation, $80,000
Ntaimo, L. (PI), A. Banerjee (Co-PI) and K. Kianfar (Co-PI), “Reducing Medication Errors in Pediatrics,” 2009-2010, National Science Foundation I/UCRC, through the Texas A&M Health Science Center, Center for Health Organization Transformation, $50,000
Ntaimo, L. (PI), X. Hu (Co-PI), Y. Hong (Co-PI), J. Nutaro (Co-PI) and M. Xue (Co-PI), “Collaborative Research: Integrated Weather and Wildfire Simulation and Optimization for Wildfire Management,” 2009-2013, National Science Foundation, $1,000,000 (ISEN portion $220,825)

Refereed Journal Article

Presentations
Dr. Peters’ research interests include design, analysis, operation and control of manufacturing, distribution, and service systems. He concentrates on facilities design and management issues, including facility layout and material handling system design. He teaches courses in facilities design, material handling, and systems planning and operation.

Research

Presentations

Professional Activities
Member of the Council of Industrial Engineering Academic Department Heads

Don T. Phillips
Chevron Professor
Ph.D., University of Arkansas
drdon@tamu.edu

Dr. Phillips teaching and research interests include lean manufacturing systems analysis, operations research, lean thinking, systems simulation, product cost flow analysis, and the analysis and control of remanufacturing/sustainment systems. In addition to his teaching and pedagogical interests, Dr. Phillips is currently the Director of the Homeland Security Research Initiatives for all engineering programs at TAMU. In this capacity, he develops interdisciplinary research teams to address both educational and research program initiatives in the Department of Homeland Security and other federal funding programs. He is currently active in several homeland security initiatives. Dr. Phillips is an IIE Fellow and a member of SME.

Research
Phillips, D. T. (PI) and R. Feldman (Co-PI), “HS-STEM (to support Master’s students in industrial and systems engineering with a homeland security specialization),” 2009, Department of Homeland Security, $390,000

Professional Activities
Engineering Program Coordinator, Texas A&M University System Homeland Security Research
Member, Technical Advisory Board, Department of Homeland Security Center of Excellence Program in Petrochemical Ground Transportation Security, Prairie View A&M University
Chief Technical Scientist and Technical Advisor, Department of Homeland Security Center of Excellence Program in Border & Immigration Security, University of Texas at El Paso
Project Director & Principle Investigator, Department of Homeland Security Border Security Research Program, Department of Industrial and Systems Engineering at Texas A&M University, Department of Engineering Technology at University of Texas San Antonio, and Texas Transportation Institute

Donald R. Smith
Associate Professor
Ph.D., University of Arkansas
dr-smith@tamu.edu

Dr. Smith’s research interests are in large systems database design, highway segment data collection and analysis, systems simulation and cost modeling for advanced manufacturing systems. He teaches engineering economic analysis, computer programming, engineering management, industrial labor relations, facilities layout and design, and production planning and control. Dr. Smith is a member of the Advisory Council of the International Center for Sustainable Development for the Republic of Panama.

Research

Presentations

Professional Activities
Member, Panamanian Sustainment Program, City of Knowledge, Republic of Panama
Halit Uster  
Associate Professor  
Ph.D., McMaster University  
uster@tamu.edu

Dr. Uster’s research interests are in supply chain logistics and applied optimization. His current research concentrates on network design problems with applications in logistics and communications. He teaches courses in operations planning, logistics, network optimization and heuristics. Dr. Uster directs the Logistics and Networked Systems Research Lab.

Research


Refereed Journal Articles


Presentations


Uster, H., “Integrated Topology Control and Routing in Wireless Sensor Network Design for Prolonged Network Lifetime,” Industrial Engineering and Management Sciences Department, Northwestern University, October 2009

Professional Activities
Associate Editor, IIE Transactions on Logistics and Scheduling

Dr. Wilhelm specializes in integer programming, scheduling, and the design and operation of assembly systems. One of his current research projects involves devising new integer programming algorithms to prescribe the types of sensors, the number of each type and the location of each sensor in a surveillance system to assure robust homeland security in U.S. ports and waterways. Other ongoing work includes establishing a branch-and-cut equivalent to branch and price, designing the biofuel supply chain, evaluating the trade-off between transportation, inventory and lead-time costs in an international supply chain; prescribing dynamic supply chain reconfiguration; and scheduling surgeries. He teaches courses in integer programming, scheduling, linear programming and operations research. Dr. Wilhelm is an IIE Fellow and a recipient of the IIE David E. Baker Distinguished Research Award.

Research
Wilhelm, W. E., REU Supplementary Grant: Research Experience for Undergraduates, 2009, National Science Foundation, $6,000


Refereed Journal Articles


Presentations
Faculty Accomplishments

Dr. Wortman's research and teaching interests are in applied probability and stochastic processes. Currently, he is exploring computational methods for predictive modeling applied to technology evaluation and assessment. He teaches courses in stochastic processes and system operations.

Research


McGill University, Montreal, Quebec, December 2009


Justin T. Yates
Assistant Professor
Ph.D., State University of New York at Buffalo

Procedures and Other Publications


Yates, J., “Modeling Critical Infrastructure Defense in Complex Geographic Networks,” Parsons Seminar Series, Department of Industrial and Systems Engineering, Texas A&M University, College Station, Tex., March 2009


Professional Activities
Session Chair, IIE Annual Research Conference


Track Co-chair, Homeland Security Track, IIE Annual Research Conference

Martin A. Wortman
Professor
Ph.D., Ph.D., Virginia Polytechnic Institute and State University
wortman@tamu.edu


Professional Activities
Reviewer, Annals of Operations Research

Reviewer, Computers in Operations Research

Reviewer, European Journal of Operational Research

Reviewer, IEEE Transactions on Automation Science and Engineering

Reviewer, IIE Transactions

Reviewer, Transportmetrica

Presentations

Batta, R. and J. Yates, “An Integrated Vulnerability-based Detection/interception Model for the Protection of Regional Infrastructure from Covert Attack,” Faculty of Management Seminar Series,
Graduate Degrees Awarded

Alhuthali, Ahmed Humaid H., M.Eng (advisor, Guy Curry)

Bache, Stephanie Lolitia, M.S.-ENSM (advisor, Don Smith)

Baizhanova, Zhanar, M.S. (advisor, Sergiy Butenko)

Bazaldua, Eric M., M.S.-ENSM (advisor, Don Smith)

Branch, John Marshall, M.Eng. (advisor, Don Smith)

Cannaday, Rory Wayne, M.Eng. (advisor, Guy Curry)

Chae, Seungseok, M.S. (advisor, Amarnath Banerjee)

Chance, Michael Dale, M.S.-ENSM (advisor, Don Smith)

Chidambaram Kumar, Jagadeesh, M.Eng. (advisor, Don Phillips)

Chidgey, Kaylan Rene, M.S. (advisor, Georgia-Ann Klutke)

Cimren, Elif I., Ph.D., “Strategic Surveillance System Design for Ports and Waterways” (advisor, Wil Wilhelm)

Daoud Gouda, Mohamed A., M.S.-ENSM (advisor, Don Smith)

Delgado, David Guillermo, M.Eng. (advisor, Don Smith)

Delvalle, Eric Arturo, M.Eng. (advisor, Don Smith)

Denniston, Jean C., M.S.-ENSM (advisor, Don Smith)

Devarakonda, Mahesh, M.Eng. (advisor, Guy Curry)

Diao, Guanwen, M.Eng. (advisor, Guy Curry)

Diwan, Chirendra, M.Eng. (co-advisors, Amarnath Banerjee and Georgia-Ann Klutke)

Elumalai, Prakash, M.Eng. (advisor, Gary Gaukler)

Ergul, Ekin, M.S. (advisor, Sila Çetinkaya)

Fernandez, Flavian Joseph, M.S. (advisor, Wil Wilhelm)

Fu, Yan-Kai, M.Eng. (advisor, Don Smith)

Gayam, Venkat Ramana, M.Eng. (advisor, Guy Curry)

Goddard, Glenn Andrew, M.S.-ENSM (advisor, Don Smith)


Gomez-Trevino, Lillian Cristina, M.S. (advisor, Guy Curry)

Halfmann, Casi Ann, M.Eng. (advisor, Guy Curry)

Halim, Sugiri, M.Eng. (advisor, Don Phillips)

Hariharan, Navneeth, M.Eng. (advisor, Don Phillips)

Hwang, Sung Ook, M.S. (advisor, Gary Gaukler)

Jagadeesan, Lakshmi Rajaventakaraman, M.Eng. (advisor, Guy Curry)

Jarrell, Brent, M.Eng. (advisor, Guy Curry)

Jiang, Jiemin, M.Eng. (advisor, Guy Curry)

Kahruman-Anderoglu, Sera, Ph.D., “Optimization in Geometric Graphs: Complexity and Approximation” (advisor, Sergiy Butenko)

Kandolath, Uday Sankar, M.S. (advisor, Lewis Ntaimo)

Kim, Changgyu, M.S. (advisor, Eylem Tekin)

Kim, Jong Yun, M.Eng. (advisor, Andrew Johnson)

Kim, Jonghyun, M.S., “Cooperative Modeling and Design History Tracking Using Design Tracking Matrix” (advisor, Amarnath Banerjee)

Kim, Kibaek, M.Eng. (advisor, Eylem Tekin)

Kim, Seong Dae, Ph.D., “Tradeoff Between Investments in Infrastructure and Forecasting When Facing National Disaster Risk” (advisor, Eric Bickel)

Kittusamy, Sedhumadhavan, M.Eng. (advisor, Don Phillips)

Knapak, Aaron John, M.Eng. (advisor, Lewis Ntaimo)
Graduate Degrees Awarded

Krishna Murthy, Karthik, M.Eng. (advisor, Natarajan Gautam)
Onyekwum, Oscar, M.Eng. (advisor, Guy Curry)
Sellamuthu, Sivakmar, D.E. (advisor, Guy Curry)

LeBlanc, Bryan Thomas, M.Eng. (advisor, Guy Curry)
Paluvilayil, Beniel, M.Eng. (advisor, Guy Curry)
Seo, Jungho, M.S. (advisor, Halit Üster)

Lee, Sangjun, M.S. (advisor, Amarnath Banerjee)
Panakanti, Ambika, M.Eng. (advisor, Guy Curry)
Shrivastava, Abhishek, Ph.D., “Listing Unique Fractional Factorial Designs” (advisor, Yu Ding)

Lozano, Juan David, M.Eng. (advisor, Andrew Johnson)
Pande, Rishi, M.Eng. (advisor, Guy Curry)
Siddiqui, Sandala, M.Eng. (advisor, Guy Curry)

Luo, Le, M.S. (advisor, Andrew Johnson)
Park, Suneung, M.S. (advisor, Eylem Tekin)
Singh, Bondili Bhavana, M.Eng. (advisor, Guy Curry)

Madanagopal, Karthic, M.Eng. (advisor, Guy Curry)
Peng, Wei-Yu, M.Eng. (advisor, Guy Curry)
Sugadhan, Arun, M.Eng. (advisor, Guy Curry)

Maneerod, Thungprom, M.Eng. (advisor, Andrew Johnson)
Perry, David Babcock, M.S.-ENSM (advisor, Don Babcock)
Sun, Je Sang, M.S. (advisor, Sergiy Butenko)

Mangalassery, Sony, M.Eng. (advisor, Guy Curry)
Pidikiti, Venkat Vara Prasad, M.Eng. (advisor, Lewis Ntaimo)

Merchan, Daniel Esteban, M.S. (advisor, Gary Gaukler)
Praapchanam, Balaji, M.Eng. (advisor, Guy Curry)
Torres Soto, Joaquin Emmanuel, Ph.D., “Dynamic and Robust Capacitated Facility Location in Time Varying Demand Environments” (advisor, Halit Üster)

Misra, Romy, M.Eng. (advisor, Guy Curry)
Ravichandran, Venkatesh, M.S. (advisor, Wil Wilhelm)
Umashankar, Vivekram, M.Eng. (advisor, Lewis Ntaimo)

Mittal, Krishan Kumar, M.Eng. (advisor, Gary Gaukler)
Ravindran, Satish Kumar, M.Eng. (advisor, Gary Gaukler)
Ursulenka, Oleksii Sergiyovich, Ph.D., “Exact Methods in Fractional Combinatorial Optimization” (advisor, Sergiy Butenko)

Mohammed, Miraj Sha Ali, M.Eng. (advisor, Don Phillips)
Ross, Carrie Marie, M.S.-ENSM (advisor, Don Smith)
Usaraga, Allan Tamsi, M.S.-ENSM (advisor, Don Smith)

Nallapureddy, Dinakar, M.S. (advisor, Wil Wilhelm)
Sanjeevi, Sujeevraj, M.S. (co-advisors, Martin Wortman and Justin Yates)
Venkatesan, Dinesh Tawker, M.Eng. (advisor, Guy Curry)

Nanda, Amlan, M.S. (advisor, Abhijit Deshmukh)
Sawser, Brian David, M.S. (advisor, Don Smith)
Seijo, Roberto Luis, Ph.D., “Modified (Q,r) Inventory Control Policy for an Assembly-To-Order Environment” (co-advisors, Gary Gaukler and Cesar Malave)
Recent graduate Matt Tanner, who is now working for the Department of Energy as an operations research analyst, was awarded the prestigious Graduate Student Excellence in Teaching Award from the Texas A&M Association of Former Students and the Office of Graduate Studies. In addition, he was awarded a Senator Phil Gramm Doctoral Fellowship. This fellowship is awarded to graduate students whose command of their disciplines exemplifies the meaning of scholar and mentor in the highest sense. Tanner’s chair was Lewis Ntaimo.

Hiram Moya

Hiram Moya was invited to participate in the 2009 INFORMS Future Academician Colloquium in San Diego. The colloquium is held in conjunction with the INFORMS Annual Meeting in October. Moya was nominated for the honor by Professor Don Phillips, a member of his committee.

Michelle McGaha

Michelle McGaha was awarded the John S.W. Fargher Scholarship from the Institute of Industrial Engineers at the 2009 Operational Excellence Conference and Expo in St. Louis. This award recognizes graduate students in industrial engineering for academic excellence and campus leadership, especially for promoting IIE involvement. Michelle is a master’s student from Alabama graduating in May 2010. Her advisor is Georgia-Ann Klutke.