Rajan Batta: Completed Doctoral Dissertations
(Supervised or Co-Supervised)

Total Count = 49

Azar Sadeghnejad-Barkousaraie; graduated 1/18. Dissertation title: "Transportation Problems with Safety and Security Considerations." Co-advisor was Moises Sudit. Job Placement: Postdoctoral Associate, UT Southwestern Medical Center, Dallas, Texas.

Nan Ding; graduated 8/17. Dissertation title: "Enabling Urban Parcel Pickup and Delivery Services Using All-Electric Trucks." Co-advisor was Changhyun Kwon. Job Placement: OR Analyst, Golf Now, Inc., Orlando, Florida.

Yan-Cheng Hsu; graduated 6/17. Dissertation title: "Mathematical model for solving petroleum replenishment and routing problem." Co-advisor was Jose Walteros. Job Placement: OR Analyst, Ford Research, Dearborn, Michigan.

Hernan Caceres; graduated 1/17. Dissertation title: "A Study of Realistic and Innovative Features of the School Bus Routing Problem." Co-advisor was Qing He. Job Placement: Assistant Professor, Department of Industrial Engineering, Universidad Católica del Norte, Chile.

Michael D. Moskal II; graduated 1/16. Dissertation title: "Adaptive Unmanned Aerial Vehicle Routing Methods for Tactical Surveillance Operations." Job Placement: Scientist, Modus Operandi Inc., Melbourne, Florida.

Masoumeh Taslimi; graduated 1/16. Dissertation title: "On the Analysis of Two Problems Related to Risk Management in Urban Transportation Networks." Co-advisor was Changhyun Kwon. Job Placement: Operations Research Manager, CSX Transportation, Jacksonville, Florida.

Tolou Esfandeh; graduated 8/15. Dissertation title: "Regulating Hazardous Materials Transportation by Dual-Toll Pricing and Time-Dependent Network Design Policies." Co-advisor was Changhyun Kwon. Job Placement: Operations Research Analyst, Innovative Scheduling, Inc., Gainesville, Florida.

Yan Xia; graduated 8/15. Dissertation title: "Routing and Time Allocation Problems in Designing Automatic Control of Unmanned Aerial Vehicles for Information Collection." Co-advisor was Rakesh Nagi. Job Placement: Operations Research Analyst, Amazon, Inc., Seattle, Washington.

Tejswaroop Reddy Geetla; graduated 11/13. Dissertation title: "Applying Operations Research Techniques to Improve Motor Vehicle Crash Emergency Response and Traffic Monitoring Using Intelligent Transportation Sensors." Job Placement: Operations Research Analyst, Federal Express, Inc., Memphis, Tennessee.

Ruben Yie Pinedo; graduated 6/13. Dissertation title: "Safe Transportation with Extreme Danger Zones." Co-advisor was M. Sudit. Job Placement: Assistant Professor, Department of Industrial Engineering, University of Del Norte, Barranquilla, Colombia.

Gina Galindo Pacheco; graduated 1/13. Dissertation title: "Prepositioning Supplies in Preparation for a Foreseen Hurricane." Job Placement: Assistant Professor, Department of Industrial Engineering, University of Del Norte, Barranquilla, Colombia.

Matt Henchey; graduated 12/12. Dissertation title: "Emergency Response in Advance Transportation Systems: Studying Data Capture and Routing Methodologies Using Simulation." Job Placement: Senior Operations Research analyst, Herron Associates, Washington DC.

Yingying Kang; graduated 5/11. Dissertation title: "Value-at-Risk Models for Hazardous Material Transportation." Co-advisor was C. Kwon. Job Placement: Analyst, Southern Pacific Railroad Company, Atlanta, GA.

Frank Muffali; graduated 4/11. Dissertation title: "Simultaneous Sensor Selection and Routing of

Unmanned Aerial Vehicles for Complex Mission Plans." Co-advisor was R. Nagi. Job Placement: Analyst, Praxair, Inc., Tonawanda, NY.

Wanyan Yu; graduated 2/11. Dissertation title: "Search for an Entity on a Network." Job Placement: Analyst, Bloomberg Financial Services, Inc., New York.

Yen-Hung Lin; graduated 8/10. Dissertation title: "Delivery of Critical Items in a Disaster Relief Operation: Centralized and Distributed Supply Strategies." Co-advisor was P. Rogerson. Job Placement: Postdoctoral Research Fellow, Department of Industrial Engineering, University of Arkansas.

Amruth Sivalenka; graduated 5/10. Dissertation title: "Pricing and Expiration Management in Apartment Industry." Job Placement: Vice President, Rainmaker Group, Atlanta.

Elif Tokar-Erdermir; graduated 10/08. Dissertation title: "Location-covering models: Nodal and path demand, multiple-type facilities, unavailability of servers." Co-advisor was P. Rogerson. Job Placement: Postdoctoral Associate, Department of Mechanical Engineering, University of Minnesota.

Justin T. Yates; graduated 8/08. Dissertation title: "Network-based Risk Mitigation and Resource Evaluation in the Transportation of Hazardous Materials and Terrorist Threat." Co-advisor was M. Karwan. Job Placement: Assistant Professor, Department of Industrial and Systems Engineering, Texas A&M University. 28

Xiaofeng Nie: graduated 7/08. Dissertation title: "Optimization and Resource Allocation Models in an Aviation Security System." Job Placement: Postdoctoral Associate, School of Business, McGill University.

Min Zhang; graduated 11/07. Dissertation title: "Designing the Layout and Routing of a Manufacturing Facility to Mitigate Workflow Congestion." Co-advisor was R. Nagi. Job placement: Operations Research Analyst, AVIS-Budget Rent-a-Car, New York, New York.

Jomon Paul; graduated 8/06. Dissertation title: "Study of Effects of Facility Damage on Hospital Capacity Estimates and Location-Allocation Planning for Management of Natural Disasters." Co-advisor was L. Lin. Job placement: Visiting Assistant Professor, Kennesaw State University, Georgia.

Arun Jotshi; graduated 8/06. Dissertation title: "Search for an Immobile Entity on a Network." Job placement: Operations Research Analyst, AT&T Corporation, Morristown, New Jersey.

Abhay Joshi; graduated 2/06. Dissertation title: "Optimization Approaches to Network Toplogy Design for Dynamic Distributed Wireless Sensing in a Hostile Environment." Co-advisor was R. Nagi. Job Placement: Operations Research Analyst, Curbell Inc., Orchard Park, New York.

Jayasankar Neelakantan; graduated 9/05. Dissertation title: "Strategies for Clearance-Markdown Optimization in the Retail Industry." Co-advisor was A. Gosavi. Job Placement: Visiting Assistant Professor, Kennesaw State University, Georgia.

Qiang Gong; graduated 9/05. Dissertation title: "Responding to Casualties in a Disaster Relief

Operation: Initial Ambulance Allocation and Reallocation, and Switching of Casualty Priorities." Job Placement: Operations Research Analyst, United Airlines, Chicago, Illinois.

Mohan R. Akella; graduated 2/05. Dissertation title: "Base Station Location and Channel Allocation Problems in Cellular Network Design." Job Placement: Operations Research Analyst, Triology, Inc., Bangalore, India.

Simin Huang, graduated 9/04. Dissertation title: "The Connection/Location Problem and its Application to Supply Chain Design." Co-advisor was R. Nagi. Job Placement: Postdoctoral Associate, School of Business, University of Toronto.

Avijit Sarkar; graduated 9/04. Dissertation title: "Finite-Size Facility Placement in the Presence of Generalized Congested Regions." Co-advisor was R. Nagi. Job Placement: Visiting Assistant Professor, University of Toledo.

William J. Frank; graduated 9/01. Dissertation title: "On Investigating the Effect of Temporal Link Parameters on Hazmat Route Selection." Job Placement: Postdoctoral Associate, CMIF Lab, University at Buffalo (SUNY).

Vedat Akgun; graduated 2/01. Dissertation title: "Routing Hazardous Materials in the Presence of Weather Systems." Co-advisor was C. Rump. Job Placement: Senior System Analyst, Emery Worldwide Airways.

Abdul Sarac; graduated 2/01. Dissertation title: "Daily Operational Aircraft Maintenance Routing Problem." Co-advisor was C. Rump. Job Placement: Operations Research Analyst, United Airlines, Chicago, Illinois.

Shoou-Jiun Wang; graduated 9/00. Dissertation title: "Optimal Police Enforcement Allocation - A Socio-Economic Model of Criminal Geographic Displacement." C. Rump was a co-advisor. Job placement: First USA Bank, Wilmington, Delaware.

Selcuk Savas; graduated 9/00. Dissertation title: "A Spatial Modeling Perspective to Problems in Facilities Design." R. Nagi was a co-advisor. Job Placement: Assistant Professor, Koc University, Istanbul, Turkey.

Qian Wang; graduated 9/00. Dissertation title: "Discrete Facility Location Design with Stochastic Customers and Immobile Servers." Co-advisor was C. Rump. Job Placement: Senior Operations Research Specialist, Synquest, Inc., Washington, D.C.

Christopher Oboth; graduated 2/97. Dissertation title: "Conflict-Free Routing of Automated Guided Vehicles: A Simulation Study." M. Karwan was a co-advisor. Job Placement: Lecturer, Makede University, Uganda.

Peiwu Zhao; graduated 6/96. Dissertation title: "Analysis of Aggregation Effects in Location Problems." Job Placement: OR Analyst, ESRI Corporation, San Bernadino, California.

Ramprasad T. Narasimhan; graduated 1/96. Dissertation title: "Conflict-Free Routing and Scheduling of Automated Guided Vehicles." M. Karwan was a co-advisor. Job Placement: Analyst, Corporate Research, United Airlines, Chicago, Illinois.

Linda Chattin; graduated 9/94. Dissertation title: "Maximizing Expected Coverage Using State Sensitive Dispatch Assignments." Job Placement: Lecturer, Department of Industrial Engineering, State University of New York at Buffalo.

Alok Baveja; graduated 9/93. Dissertation title: "Crackdowns on Drug Markets." M. Karwan was a co-advisor. Job Placement: Assistant Professor, Department of Management Science, Rutgers, Camden, New Jersey.

Thomas D. Hill; graduated 9/93. Dissertation title: "Equity Constrained Preventive Police Patrolling." Job Placement: Lecturer, Dept. of Ind. Engg., SUNY at Buffalo.

Honghua Jin; graduated 9/93. Dissertation title: "Routing of Hazardous Materials: A Probabilistic Perspective." M. Karwan was a co-advisor. Job Placement: Systems Analyst, U.S. Steel Corporation, Gary, Indiana.

Dake Sun; graduated 9/93. Dissertation title: "Dynamic Job Shop Scheduling: An Integrated Approach." Li Lin was a co-advisor. Job Placement: OR Analyst, AVIS Rent-a-Car, New York, New York.

Raj A. Sivakumar; graduated 9/92. Dissertation title: "Transportation of Hazardous Materials: A New Modeling Perspective." M. Karwan was a co-advisor. Job Placement: Senior Analyst, Corporate Research, United Airlines, Chicago, Illinois.

Mary Helander; graduated 9/92. Dissertation title: "A Discrete Framework for Modeling and Analyzing HIV Transmission Dynamics." Job Placement: Assistant Professor, Department of Industrial Engineering and Information Systems, Northeastern University, Boston, Massachusetts.

Mamnoon Jamil; graduated 6/91. Dissertation title: "The 1-Center Problem with Queueing." Job Placement: Assistant Professor, Department of Management Science, Rutgers, Camden, New Jersey.

Robert F. Dell; graduated 9/90. Dissertation title: "Development of Equitable Vehicle Routes for Overnight Parcel Deliveries." M. Karwan was a co-advisor. Job Placement: Assistant Professor, Department of Operations Research, Naval Postgraduate School, Monterey, California.

Nirup N. Krishnamurthy; graduated 9/90. Dissertation title: "Modeling Blocking in Automated Guided Vehicle Systems." M. Karwan was a co-advisor. Job Placement: Analyst, Corporate Research, United Airlines, Chicago, Illinois.

Wilfred V. Huang; graduated 2/87. Dissertation title: "The Effects of Special Cost Functions and Promotion in Locational Decisions." Job Placement: Assistant Professor, Division of Industrial Engineering, Alfred University, Alfred, New York.