

## **Rajan Batta: Completed Masters Students (Supervised or Co-supervised)**

Total Count = 50

Abhinav Khare, graduated 07/16. Thesis title: "Computational Advances in Relief Distribution Models on Tree Graphs." Jee-Un (Jamie) Kang was a co-advisor.

Harshavardhan Vempati, graduated 7/16. Thesis title: "Studying the Impact of a Distance Constraint and Inspection Points on Hazmat Transportation Risk." Joyendu Bhadury was a co-advisor.

Rahul Swamy, graduated 01/16. Thesis title: "Hurricane Evacuation Planning using Public Transportation." Jee-Un (Jamie) Kang was a co-advisor.

Mingyu Kim, graduated 06/15. Thesis title: "Optimal Routing of Infiltration Operations." Qing He was a co-advisor.

Bijaya Rath, graduated 09/14. Thesis title: "Case Studies Related to Prepositioning Supplies Related to a Hurricane Disaster."

Mike Moskal, graduated 08/13. Thesis title: "A Mathematical Programming Approach to Immobile Entity Search."

Atieh Madani, graduated 08/13. Thesis title: "Enhancement to a Staffing Model for a Service Center with Flexible Servers." M. Karwan was a co-advisor.

Tejswaroop Geetla, graduated 04/11. Thesis title: "Air Marshall Scheduling to Meet a Game Theoretic Solution."

Chien-Chi Peng, graduated 03/11. Thesis title: "Optimizing the Layout of a Grocery/Convenience Store to Maximize Revenue from Impulse Items."

Gautam Pranab, graduated 01/11. Thesis title: "Simulation-Based Selectee Lane Queueing Design for Passenger Checkpoint Screening."

Shrideep Shadale, graduated 12/08. Thesis title: "Optimal Grocery Store Layout to Maximize Impulsive Item Revenue."

Partibhan Thalayan, graduated 8/08. Thesis title: "Comparative Study of Item Storage Policies, Vehicle Routing Strategies and Warehouse Layouts Under Congestion." R. Nagi was a co-advisor.

Esra Cosar, graduated 9/05. Thesis title: "Performance Evaluation of a Mathematical Programming Based Clustering Algorithm for a Wireless *Ad hoc* Network Operating in a Threat Environment." R. Nagi was a co-advisor.

Viral Garach, graduated 2/05. Thesis title: "Enforcing Equity by Route Selection in Hazardous Materials Transportation."

Amit Malik, graduated 9/04. Thesis title: "Routing of Unmanned Aerial Vehicles (UAVs) to Reduce the Possibility of Detection." M. Karwan was a co-advisor.

Sameer Naik, graduated 9/04. Thesis title: "Delay Estimation and its Impact on the Aircraft Ground Holding Problem."

Karen S. Holness, graduated 6/04. Thesis title: "A Case Study in Personnel Assignment." C. Drury was a co-advisor.

Amit Parekh, graduated 9/03. Thesis title: "Dynamic Shortest Path Algorithms for Routing of a Hazmat Truck in the Presence of Weather Systems." C. Rump was a co-advisor.

Nishant Mishra, graduated 9/03. Thesis title: "Capacity and Non-Steady State Generalizations to the Dynamic MEXCLP Model for Distributed Sensing Networks." R. Nagi was a co-advisor.

Karthik Tyagarajan, graduated 9/03. Thesis title: "Routing Aircraft to Minimize the Chance of Detection During Mission Ingress." M. Karwan was a co-advisor.

Seethal Mishra, graduated 6/03. Thesis title: "A Rule Based Approach for Handling Time Critical Targets in a Dynamic Battlefield Environment."

Lazar Babu, graduated 6/03. Thesis title: "Airport Security System Design." L. Lin was a co-advisor.

Hari Kettalachu, graduated 6/03. Thesis title: "Contour Line Construction for a New Rectangular Facility in an Existing Layout with Rectangular Departments." R. Nagi was a co-advisor.

Dipeshkumar J. Patel, graduated 2/03. Thesis title: "Clustering Sensors in Wireless *Ad hoc* Networks Using a Dynamic Expected Coverage Model." R. Nagi was a co-advisor.

Mohan Akella, graduated 2/03. Thesis title: "Base Station Location and Channel Allocation in a Cellular Network with Emergency Coverage Requirements."

Geetika Rana, graduated 9/02. Thesis title: "Optimizing Inventory Levels and Order Fulfillment Strategies in a Supply Chain."

Avijit Sarkar, graduated 6/02. Thesis title: "Study of Rectilinear Least Cost Travel (Path and Entry/Exit) through Convex Polygonal Congested Regions." Rakesh Nagi was a co-advisor.

H-C. Su, graduated 6/02. Thesis title: "A Queueing Model of Airline Passenger Demand Spill and Recapture for Revenue Management." C. Rump was a co-advisor.

Feng Gao, graduated 6/02. Thesis title: "A Constrained Transportation Model for Optimizing Crackdowns on Illicit Drug Markets." C. Rump was a co-advisor.

Goutham Ekollu, graduated 9/01. Thesis title: "Three Tier Flight Attendant Recovery Model During Airline Disruptions." C. Rump was a co-advisor.

Mayur Vamanan, graduated 2/01. Thesis title: "A Heuristic for Optimal Order Fulfillment in an (s,S) Inventory System with Stochastic Customer Demands."

Pavan Kumar Nandikonda, graduated 9/00. Thesis title: "1-Center Facility Placement in a Rectilinear Plane with Barriers." R. Nagi was a co-advisor.

Mohamed H. Badr; graduated 9/98. Thesis title: "Dyanmic Facility Location with Time Varying Demands." J. Bhadury was a co-advisor.

Jorge H. Jaramillo; graduated 9/98. Thesis title: "Genetic Algorithms for Location Problems." J. Bhadury was a co-advisor.

Steven J. D'Amico; graduated 9/97. Thesis title: "Allocation of Police Patrol Cars in the City of Buffalo." C. Rump was a co-advisor.

Abdulkadar Sarac; graduated 6/97. Thesis title: "One Dimensional Systematic Search with Finite Defect Length." C. Drury was a co-advisor.

Colleen Eagen; graduated 2/96. Thesis title: "Practical Hazardous Materials Routing Under Insurance Parameters."

Amitabh Bansal; graduated 9/94. Thesis title: "Analysis of Error due to Aggregation of Demand in Location Problems."

Pradeep Bandla; graduated 6/94. Thesis title: "Aircraft Route Selection for Effective Maintenance Repairs."

Gautham Vemuganti; graduated 2/93. Thesis title: "A Hardware Simulation of an AGV System." L. Lin was a co-advisor.

George Martin; graduated 6/92. Thesis title: "Police Patrol Routing."

Mojgan Faraji; graduated 2/90. Thesis title: "A New Dispatching Control Policy that Eliminates Blocking in an Existing Multi-Vehicle Automatic Guided Vehicle System (AGVS) by forming Cells--A Simulation Study."

Raj A. Sivakumar; graduated 9/89. Thesis title: "Modeling Wind Effects in the Transportation of Liquefied Gas Hazardous Materials."

V. A. Viswanathan; graduated 9/89. Thesis title: "Demand Point Approximations for the Planar, Euclidean Metric,  $p$ -Median Problem, With and Without Barriers to Travel."

Yolanda M. Carson; graduated 9/88. Thesis title: "Locating an Ambulance on the State University of New York at Buffalo Amherst Campus."

Sharad Elhence; graduated 9/88. Thesis title: "Modeling Uncertainties in Plant Layout Problems."

Krishna S. Kolluri; graduated 9/88. Thesis title: "Multiple Routing for Equity of Risk in the Transportation of Hazardous Materials." M. Karwan was a co-advisor.

Heidi J. Wild; graduated 6/88. Thesis title: "Optimization of a Deterministic Conveyor System."

Ram Gopalan; graduated 9/87. Thesis title: "Modeling the Equity of Risk in the Transportation of Hazardous Materials." M. Karwan was a co-advisor.

June M. Squilla; graduated 6/86. Thesis title: "Relaxing the Independence Assumption of a Maximal Covering Location Problem."