

MARK S. DASKIN

CONTACT INFORMATION:

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EDUCATION:

- 1975-1978. Massachusetts Institute of Technology, Cambridge, MA.
 Ph.D. in Civil Engineering
- 1974-1975. University of Cambridge, Cambridge, England.
 Certificate of Post-Graduate Study in Engineering
- 1970-1974. Massachusetts Institute of Technology, Cambridge, MA.
 Bachelor of Science in Civil Engineering.

PROFESSIONAL EXPERIENCE:

- January 2010-present.* University of Michigan, Ann Arbor, MI
- Department chair, Industrial and Operations Engineering
 - Clyde W. Johnson Professor (*January, 2010 to present*)
- January 1980-December 2009.* Northwestern University, Evanston, IL
- Walter P. Murphy Professor (*September, 2007 to December, 2009*)
 - Bette and Neison Harris Professor of Teaching Excellence – (*September, 2006 to August, 2007*)
 - Professor of Industrial Engineering and Management Sciences — (*September 1992 to December, 2009; Department Chair, September 1995 – August, 2001*)
 - Professor of Civil Engineering — (*September 1989 to September, 1995*)
 - Associate Professor of Civil Engineering — (*September 1983 to September 1989*); Received tenure, *July 1985*
 - Assistant Professor of Civil Engineering — (*January 1980 - August 1983*)
- September 1989 - August, 1990.* Tel Aviv University, Ramat Aviv, Israel
- Visiting Professor, Faculty of Exact Sciences, School of Mathematical Sciences, Department of Statistics and Operations Research
- September 1978 - December 1979.* University of Texas, Austin, TX.
- Assistant Professor of Civil Engineering

RESEARCH AREAS:

- Health Care Operations Research
- Service Systems
- Supply Chain Design for Disruptions
- Low Carbon Emission Supply Chain Design
- Facility Location Modeling
- Supply Chain Management
- Heuristic Optimization Techniques
- Public Sector Logistics
- Supertanker Lightering Operations Analysis
- Location and Operations Analysis of Austin Emergency Medical Services

COURSES TAUGHT (all at Northwestern unless otherwise noted):

- IE Undergraduate
 - Operations Modeling (*Michigan*)
 - Location and Spatial Planning
 - Operations Research
 - Probability
 - Service Operations Management (*Northwestern and Michigan*)
 - Statistics I
 - Supply Chain Modeling and Analysis
 - Elementary Statistics (*Civil Engineering, Texas*)
 - Introduction to Transportation Planning (*Civil Engineering, Texas*)
 - Systems Engineering Applications (*Civil Engineering, Texas*)
- IE Professional MS
 - Logistics Management
 - Quantitative Methods for Decision Making (selected lectures)
- IE Graduate
 - Design and Analysis of Heuristics
 - Facility Location
 - Production and Economics I
 - Production and Logistics I
 - Service Operations Management (*Michigan*)
 - Stochastic and Dynamic Location and Layout
 - Supply Chain Reliability
 - Topics in Location and Logistics
- Civil Engineering Undergraduate
 - Introduction to Urban Transportation
- Civil Engineering Graduate
 - Selected Topics in Transportation: Review of Analytic Techniques in Transportation Systems Analysis
 - Seminar on Quantitative Methods in Physical Distribution and Urban Systems
 - Transportation Systems Analysis I, II
 - Urban Transportation Planning

UNIVERSITY SERVICE (all at Northwestern unless otherwise noted)

- Faculty Diversity Committee, College of Engineering, U. Michigan, 2010-present
- Program review subcommittee, Member, 2002
- University Copyright Committee, Member, 2000-2001
- University Library Committee, Member, 1994-2000
- Patterson Chair Lecture Committee, Member, 1985-1989, 1994/96
- IEMS Faculty Search Committee, Chairman, 1994/95
- Promotion and Tenure Committee, Engineering School, 1991-1994, 2003
- Engineering School, Committee on Our Future, Chairman
- Civil Engineering Computer Committee, Member
- Engineering School Graduate Study and Research Committee, Member
- Industrial Engineering Undergraduate Advisor (1993-present)
- Manufacturing Engineering Undergraduate Advisor (1993-present)
- Transportation Center Research Committee, Member
- Transportation Center Management Programs Committee, Chairman (1987-1988)
- Civil Engineering Undergraduate Advisor (1981-1993)

International Journal of Logistics Management
JORBEL
Journal of the Operational Research Society
Location Science
Management Science
Mathematical and Computer Modelling
Natural Sciences and Engineering Research Council of Canada
National Science Foundation
Operations Research
Papers in Regional Science
Transportation
Transportation Engineering Journal, ASCE
Transportation Research
Transportation Research Board
Transportation Science

AWARDS, HONOR SOCIETIES AND PROFESSIONAL AFFILIATIONS:

INFORMS Section on Location Analysis Lifetime Achievement Award in Location Analysis (2014)
IIE David F. Baker Distinguished Research Award (2014)
IIE Joint Publishers Book of the Year Award (2011)
George E. Kimball Medal, INFORMS (2009).
Clyde W. Johnson Professor, Lurie School of Engineering, University of Michigan (*January 2010-present*)
Walter P. Murphy Professor, McCormick School of Engineering and Applied Sciences, Northwestern University, (*September, 2007-December 2009*)
Bette and Nieson Harris Professor of Teaching Excellence, McCormick School of Engineering and Applied Sciences, Northwestern University (*September, 2006 – August, 2007*)
Fellows Award, IIE, (2006)
Fred C. Crane Distinguished Service Award, Institute of Industrial Engineers (2005).
Fellows Award, INFORMS, (2004).
Award for Technical Innovation in Industrial Engineering Award, Institute of Industrial Engineers (2001).
Advisor of the year, McCormick School of Engineering and Applied Science, Northwestern University (1998-1999).
Graduate Teaching Award, Student INFORMS Chapter, IE/MS Department (1999)
Listed in Who's Who in America (1996) and Who's Who in American Education
Fulbright Research Award (1989-1990).
Burlington Northern Foundation Faculty Achievement Award (1985).
American Association of Geographers, Applied Geography Citation Award (1985) (with others).
National Science Foundation Presidential Young Investigator Award (1984).
The Institute of Management Sciences, College on the Practice of Management Science, Achievement Finalist Award (1984) (with others).
National Science Foundation Fellow (*September 1974-May 1978*).
Scott Paper Award for Leadership (1973-1975).
Tau Beta Pi (Vice President, M.I.T. Chapter, 1973-1974).
Chi Epsilon (Secretary, M.I.T. Chapter, 1973-1974).
Sigma Xi

Member of: INFORMS
 Institute of Industrial Engineers
 Sigma Xi
 Tau Beta Pi
 Phi Kappa Phi

BOOKS

Daskin, M. S., 2010, Service Science, John Wiley and Sons, Inc., New York. **Winner of the Institute of Industrial Engineers (IIE) Joint Publishers Book of the Year Award, 2011.**

Daskin, M. S., 1995, Network and Discrete Location: Models, Algorithms and Applications, John Wiley and Sons, Inc., New York, second edition, 2013.

BOOK CHAPTERS:

Daskin, M. S. and K. L. Maass, 2015, “The p-Median Problem,” Location Science, G. Laporte et al (eds.), Springer.

Turner, J., S. Mehrotra, and M. S. Daskin, 2010, “Perspectives on Healthcare Resource Management Problems,” in A long view of Operations Research and Management Science, M. Sodhi and C. Tang (eds.), Springer.

Snyder, L.V. and M. S. Daskin, 2006, “Models for Reliable Supply Chain Network Design,” invited paper, chapter in “Reliability and Vulnerability in Critical Infrastructure: A Quantitative Geographic Perspective”, Alan Murray and Tony H. Grubescic, editors, Advances in Spatial Science Series, Springer.

Snyder, L.V., M. P. Scaparra, M. S. Daskin and R. L. Church, 2006, “Planning for Disruptions in Supply Chain Networks,” TutORials in Operations Research, INFORMS, pp. 234-257.

Daskin, M. S., L. V. Snyder and R. T. Berger, 2005, “Facility Location in Supply Chain Design,” chapter 2, Logistics Systems: Design and Optimization, (A. Langevin and D. Riopel editors), Kluwer, pp. 39-65.

Daskin, M. S. and L. K. Dean, 2004, “Location of Health Care Facilities,” chapter 3 in the Handbook of OR/MS in Health Care: A Handbook of Methods and Applications, F. Sainfort, M. Brandeau and W. Pierskalla, editors, Kluwer, pp. 43-76.

Current, J., Daskin, M. and D. Schilling, 2002, “Discrete Network Location Models,” chapter 3 in Facility Location Theory: Applications and Methods, Z. Drezner and H. Hamacher eds., Springer-Verlag, Berlin, pp. 81-118.

Daskin, M. S. and S. H. Owen, 1999, “Location Models in Transportation,” chapter 10, Handbook of Transportation Science, ed. R. Hall, Kluwer Academic Publishers, Norwell, MA, pp. 311-360.

REFEREED and INVITED PUBLICATIONS:

- Obi, A., J. Chung, R. Chen, W. Lin, S. Sun, W. Pozehl, A. M. Cohn, M. S. Daskin, F. J. Seagull and R. M. Reddy, 2015, "Achieving Accreditation Council for Graduate Medical Education duty hours compliance within advanced surgical training: a simulation-based feasibility assessment," *American Journal of Surgery*, **210**:5, 947-950.
- Maass, K. L., B. Liu, M. S. Daskin, M. Duck, Z. Wang, R. Mwenesi, and H. Schapiro, 2015, "Incorporating nurse absenteeism into staffing with demand uncertainty," *Health Care Management Science*, published online November 15, 2015, 1-15.
- Maass, K. L., M. S. Daskin, S. Shen, 2015, "Mitigating hard capacity constraints with inventory in facility location modeling," *IIE Transactions*, accepted for publication.
- Maass, K. L., V. M. H. Lo, A. Weiss, and M. S. Daskin, 2015, "Maximizing Diversity in Engineering Global Leadership Cultural Families," *Interfaces*, **45**:4, 293-304.
- Ballard, T. N. S., T. R. Grenda, A. M. Cohn, M. S. Daskin, F. J. Seagull, R. M. Reddy, 2015, "Innovative Scheduling Solutions for Graduate Medical Education," *Journal of Graduate Medical Education*, **7**:2, 169-170.
- Chung, J., A. Obi, R. Chen, W. Lin, S. Sun, Z. Chen, A. Gulati, X. Xu, W. Pozehl, F. J. Seagull, M. S. Daskin, R. M. Reddy, 2015, "Estimating Minimum Program Volume Needed to Train Surgeons: When 4x15 Really Equals 90," *Journal of Surgical Education*, **72**:1, 61-67.
- Davis, A. E., S. Mehrotra, J. J. Friedewald, M. S. Daskin, A. I. Skaro, M. M. Abecassis, D. P. Ladner, 2015, "Improving geographic equity in kidney transplantation using alternative kidney sharing and optimization modeling," *Medical Decision Making*, accepted for publication.
- Davis, A., S. Mehrotra, J. Holl, and M. S. Daskin, 2014, "Nurse Staffing Under Demand Uncertainty to Reduce Costs and Enhance Patient Safety," *Asia-Pacific Journal of Operational Research*, **31**:1, 1-19.
- Turner, J., K. Kim, S. Mehrotra, D. A. DaRosa, M. S. Daskin, and H. E. Rodriguez, 2013, "Using optimization models to demonstrate the need for structural changes in training programs for surgical medical residents," *Health Care Management Sciences*, **16**, 217-227.
- Turner, J. P., H. E. Rodriguez, D. A. DaRosa, M. S. Daskin, A. Hayman, and S. Mehrotra, 2013, "Northwestern University Feinberg School of Medicine Uses Operations Research Tools to Improve Surgeon Training," *Interfaces*, **43**:4, 341-351.
- Lim, M. K., A. Bassamboo, S. Chopra and M. S. Daskin, 2013, "Facility Location Decisions with Random Disruptions and Imperfect Estimation," *Manufacturing and Service Operations*, **15**:2, pp. 239-249.
- Benjaafar, S., L. Yanzhi, and M. S. Daskin, 2013, "Carbon Footprint and the Management of Supply Chains: Insights From Simple Models," *IEEE Transactions on Automation Science and Engineering*, **10**:1, 99-116.
- Losada, C., M. P. Scaparra, R. L. Church and M. S. Daskin, 2012, "The stochastic interdiction median problem with disruption intensity levels," *Annals of Operations Research*, **201**, 345-365.

- Turner, J., S. J. Lee, M. S. Daskin, T. Homem-de-Mello, and K. Smilowitz, 2012, "Dynamic fleet scheduling with uncertain demand and customer flexibility," *Computational Management Science*, **9**:4, 459-481.
- Lee, S., J. Turner, M. S. Daskin, T. Homem-de-Mello, and K. Smilowitz, 2012, "Improving fleet utilization for carriers by interval scheduling," *European Journal of Operational Research*, **218**:1, 261-269.
- Liberatore, F., M. P. Scaparra and M. S. Daskin, 2012, "Hedging against disruptions with ripple effects in location analysis," *OMEGA*, **40**, 21-30.
- Turner J., H. E. Rodriguez M. S. Daskin, S. Mehrotra, P. Speicher, D. A. DaRosa, 2012. "Overcoming obstacles to resident-patient continuity of care," *Annals of Surgery*. **255**:4, 618-622.
- Ilhan, T., S. M. R. Iravani, and M. S. Daskin, 2011, "The Adaptive Knapsack Problem with Stochastic Rewards," *Operations Research*, **59**:1, 242-248.
- Rodriguez, H., J. P. Turner, P. Speicher, M. S. Daskin, and D. DaRosa, 2010, "A Model for Evaluating Resident Education with a Focus on Continuity of Care and Educational Quality," *Journal of Surgical Education*, **67**:6, 352-358.
- Sahyouni, K., R. C. Savaskan, and M. S. Daskin, 2010, "The Effect of Lifetime Buys on Warranty Operations," *Journal of the Operational Research Society*, **61**:5, 790-803.
- Liberatore, F., M. P. Scaparra, and M. S. Daskin, 2010, "Analysis of facility protection strategies against an uncertain number of attacks: The stochastic R-interdiction median problem with fortification," *Computers and Operations Research*, **38**:1, special issue SI, 357-366.
- Lim, M., M. S. Daskin, A. Bassamboo, and S. Chopra, 2010, "A Facility Reliability Problem: Formulation, Properties and Algorithm," *Naval Research Logistics*, **57**:1, 58-70
- Ozsen, L., C. Coullard, and M. S. Daskin, 2009, "Facility Location Modeling and Inventory Management with Multi-Sourcing," *Transportation Science*, **43**:4, 455-472.
- Ozsen, L., C. Coullard, and M. S. Daskin, 2008, "Capacitated Facility Location Model with Risk Pooling," *Naval Research Logistics*, **55**:4, 295-312.
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- Ilhan, T., S. M. R. Iravani, and M. Daskin, 2008, The Orienteering Problem with Stochastic Demands. *IIE Transactions* **40**, 406-421.
- ReVelle, C. S., Eiselt, H.A., and M. S. Daskin, 2008, "A Bibliography for Some Fundamental Problem Categories in Discrete Location Science," *European Journal of Operational Research*, **184**:3, 817-848.
- Sahyouni, K., R. C. Savaskan, and M. S. Daskin, 2007, "A Facility Location Model For Bidirectional Flows," *Transportation Science*, **41**:4, 484-499.
- Ruffolo, M., M. S. Daskin, A. V. Sahakian and R. Berry, 2007, "Design of a Large Network for Radiological Image Data," *IEEE Transactions on Information Technology in Biomedicine*, **11**:1, pp. 25-39.
- Snyder, L. V., M. S. Daskin and C-P. Teo, 2007, "The Stochastic Location Model with Risk Pooling," *European Journal of Operational Research*, **179**:3, pp. 1221-1238.

- Berger, R. T., C. R. Coullard, and M. S. Daskin, 2007, "Location-Routing Problems with Distance Constraints," *Transportation Science*, **41**:1, 29-43.
- Chen, G., M. S. Daskin, Z-J Shen and S. Uryasev, 2006, "The α -Reliable Mean-excess Regret Model for Stochastic Facility Location Modeling," *Naval Research Logistics*, **53**:7, 617-626.
- Snyder, L. V. and M. S. Daskin, 2006, "A Random-Key Genetic Algorithm for the Generalized Traveling Salesman Problem," *European Journal of Operational Research*, **174**(1), 38-53.
- Snyder, L. V. and M. S. Daskin, 2006, "Stochastic p -Robust Location Problems," *IIE Transactions*, **38**:11, 971-985.
- Shen, Z-J M. and M. S. Daskin, 2005, "Tradeoffs Between Customer Service and Cost in an Integrated Supply Chain Design Framework," *Manufacturing and Service Operations Management*, **7**(3), pp. 188-207.
- Snyder, L. V. and M. S. Daskin, 2005, "Reliability Models for Facility Location: The Expected Failure Case," *Transportation Science*, **39**, 3, 400-416.
- Shen, Z.-J. M., C. Coullard and M. S. Daskin, 2003, "A joint location-inventory model," *Transportation Science*, **37**(1), pp. 40-55.
- Daskin, M. S., C. Coullard, and Z.-J. M. Shen, 2002, "An Inventory-Location Model: Formulation, Solution Algorithm and Computational Results," *Annals of Operations Research*, **110**, 83-106.
- Melkote, S. and M. S. Daskin, 2001, "An Integrated Model of Facility Location and Transportation Network Design," *Transportation Research*, **35** (6), pp. 515-538.
- Melkote, S. and M. S. Daskin, 2001, "Capacitated Facility Location-Network Design Problems," *European Journal of Operational Research*, **129**, pp. 481-495.
- Daskin, M. S., 2000, "A New Approach to Solving the Vertex P -Center Problem to Optimality: Algorithm and Computational Results," *Communications of the Operations Research Society of Japan*, **45**:9, pp. 428-436.
- Daskin, M. S. and S. H. Owen, 1999, "Two New Location Covering Problems: The Partial Covering P -Center Problem and the Partial Set Covering Problem," *Geographical Analysis*, **31**, pp. 217-235.
- Owen, S. H. and M. S. Daskin, 1998, "Strategic Facility Location: A Review," *European Journal of Operational Research*, **111**, 423-447.
- Daskin, M. S., S. M. Hesse, C. S. ReVelle, 1997, " α -Reliable P -Minimax Regret: A New Model for Strategic Facility Location Modeling," *Location Science*, **5**, 4, pp. 227-246.
- Hesse, S. M., C. R. Coullard, M. S. Daskin, and A. P. Hurter, 1997, "A Case Study in Platelet Inventory Management," *Proceedings of the Industrial Engineering Research Conference*, Miami, FL, pp. 801-806.
- Boyce, D. E. and M. S. Daskin, "Urban Transportation," 1997, chapter 7 in *Civil and Environmental Systems: An Advanced Applications Text*, (Charles ReVelle and Arthur McGarity eds.), John Wiley and Sons, Inc., NY.
- Hribar, M. and M. S. Daskin, 1997, "A Dynamic Programming Heuristic for the P -Median Problem," *European Journal of Operational Research*, **101**:3, pp. 499-508.

- Daskin, M., O. Maimon, A. Shtub, and D. Braha, 1997, "Grouping Components in Printed Circuit Board Assembly with Limited Component Staging Capacity and Single Card Setup: Problem Characteristics and Solution Procedure," *International Journal of Production Research*, **35**, pp. 1617-1638.
- Hsu, V. N., M. S. Daskin, P. C. Jones, and T. J. Lowe, 1995, "Tool Selection for Optimal Part Production: A Lagrangian Relaxation Approach," *IIE Transactions*, **27**, 417-426.
- Daskin, M.S., P. C. Jones, 1993, "A New Approach To Solving Applied Location/Allocation Problems," *Microcomputers in Civil Engineering*, **8**, pp. 409-421.
- Malandraki, C. and M. S. Daskin, 1993, "The Maximum Benefit Chinese Postman Problem and the Maximum Benefit Travelling Salesman Problem," *European Journal of Operations Research*, **65**, pp. 218-234.
- Daskin, M.S., W.J. Hopp, and B. Medina, 1992, "Forecast Horizons and Dynamic Facility Location," *Annals of Operations Research*, **40**, pp. 125-151.
- Wong, J.-T., Koppelman, F. S. and M. S. Daskin, 1992, "Flexible Assignment Approach to Itinerary Seat Allocation," *Transportation Research*, **27B**, 33-48.
- Malandraki, C. and M. S. Daskin, 1992, "Time Dependent Vehicle Routing Problems: Formulation, Properties and Heuristic Algorithms," *Transportation Science*, **26**, pp. 185-200.
- Mukundan, S. and M. S. Daskin, 1991, "Joint Location/Sizing Maximum Profit Covering Models," *INFOR*, May, **29**, 2, pp. 139-152.
- Daskin, M. S., P. C. Jones and T. J. Lowe, 1990, "Rationalizing Tool Selection in a Flexible Manufacturing System for Sheet Metal Products," *Operations Research*, **38**, pp. 1104-1115.
- Daskin, M. S. and N. Panayotopoulos, 1989, "A Lagrangian Relaxation Approach to Assigning Aircraft to Routes in Hub and Spoke Networks," *Transportation Science*, **23**, pp. 91-99.
- Daskin, M. S., A. E. Haghani, M. Khanal and C. Malandraki, 1989, "Aggregation Effects in Maximum Covering Models," *Annals of Operations Research*, **18**, pp. 115-140.
- Daskin, M. S., K. Hogan and C. ReVelle, 1988, "Integration of Multiple, Excess, Backup and Expected Covering Models," *Environment and Planning B*, **15**, pp. 15-35.
- Rose, G., M. S. Daskin and F. S. Koppelman, 1988, "An Examination of Convergence Error in Equilibrium Traffic Assignment Models," *Transportation Research*, **22B**, pp. 261-274.
- Daskin, M. S., J. L. Schofer and A. E. Haghani, 1988, "A Quadratic Programming Model for Designing and Evaluating Distance-Based and Zone Fares for Urban Transit," *Transportation Research*, **22B**, pp. 25-44.
- Rose, G., F. S. Koppelman and M. S. Daskin, 1987, "Analysis of the Effects of Parameter Estimation Error on Transportation Network Equilibrium Models," *Proceedings of the Tenth International Symposium on Transportation and Traffic Theory*, (N. H. Gartner and N. H. M. Wilson, eds.), Elsevier Science Publishing Co., New York, pp. 41-60.
- Daskin, M. S., 1987, "Location, Dispatching and Routing Models for Emergency Services with Stochastic Travel Times," *Spatial Analysis and Location-Allocation Models*, (A. Ghosh and G. Rushton, eds.), Van Nostrand Reinhold Co., New York, pp. 224-265.

- Haghani, A. E. and M. S. Daskin, 1987, "A Combined Model of Train Routing, Makeup, and Empty Car Distribution," *The Logistics and Transportation Review*, **23**(2), pp. 173-187.
- Haghani, A. E. and M. S. Daskin, 1986, "Aggregation Effects on the Network Design Problem," *Journal of Advanced Transportation*, winter, **20**(3), pp. 239-258.
- Daskin, M. S., J. Schofer and A. Haghani, 1985, "An Optimizing Model for Transit Fare Policy Design and Evaluation," *Transportation Research Record* 1039, pp. 34-42.
- Daskin, M. S., 1985, "Logistics: An Overview of the State of the Art and Perspectives on Future Research," *Transportation Research*, **19A**, pp. 383-398.
- Eaton, D., M. S. Daskin, D. Simmons, B. Bulloch and G. Jansma, 1985, "Determining Emergency Medical Service Vehicle Deployment in Austin, Texas," *Interfaces*, **15**(1), pp. 96-108.
- Perl, J. and M. S. Daskin, 1985, "A Warehouse Location-Routing Model," *Transportation Research*, **19B**, pp. 381-396.
- Daskin, M. S. and A. Haghani, 1984, "Multiple Vehicle Routing and Dispatching to an Emergency Scene," *Environment and Planning A*, **16**, pp. 1349-1359.
- Haghani, A. and M. S. Daskin, 1984, "A Network Design Application of an Extraction Algorithm for Network Aggregation," *Transportation Research Record* 944, pp. 37-46.
- Perl, J. and M. S. Daskin, 1984, "A Unified Warehouse Location Routing Methodology," *Journal of Business Logistics*, **5**(1), pp. 92-111.
- Daskin, M. S., 1983, "A Review of Transit Service and Pricing Options," *Journal of Advanced Transportation*, **17**(3), pp. 219-251.
- Daskin, M. S. and C. M. Walton, 1983, "An Approximate Analytic Model of Supertanker Lightering," *Transportation Research*, **17B**, pp. 201-219.
- Daskin, M. S., 1983, "A Maximum Expected Covering Location Model: Formulation, Properties and Heuristic Solution," *Transportation Science*, **17**, pp. 48-70.
- Daskin, M. S., 1982, "Application of an Expected Covering Model to EMS System Design," *Decision Sciences*, July, **13**(3), pp. 416-439.
- Turnquist, M. and M. S. Daskin, 1982, "Queueing Models of Railyards and Strategies for Service Improvement," *Transportation Science*, **16**(2), pp. 207-230.
- Walton, C. M., M. S. Daskin and P. Athalye, 1982, "Assessing Waterborne Crude Oil Delivery Systems," *Transportation Research Record* 825, pp. 1-9.
- Daskin, M. S. and E. Stern, 1981, "A Hierarchical Objective Set Covering Model for EMS Vehicle Deployment," *Transportation Science*, **15**, pp. 137-152.
- Eaton, D. and M. S. Daskin, 1980, "A Multiple Model Approach to Planning Emergency Medical Service Vehicle Deployment," in the Proceedings of the International Conference on Systems Science in Health Care (refereed), C. Tilquin (ed.), Pergamon Press, Montreal, Canada, July, pp. 951-959.
- Daskin, M. S., S. Shladover and K. Sobel, 1976, "An Analysis of Service Station Queues Under Gasoline Shortage Conditions," *Computers and Operations Research*, **3**(1), pp. 83-93.

ABSTRACTS:

- Davis, A., J. Friedewald, A. Skaro, S. Mehrotra, M. S. Daskin, M. Abecassis, and D. Ladner, 2011, "Ameliorating Geographic Disparities in Kidney Transplantation Rates Via Optimization Approaches," *American Journal of Transplantation*, **11, Sup 2**, 122, Meeting Abstract 308.
- Davis, A. E., D. Ladner, A. J. Skaro, M. S. Daskin, S. Mehrotra, A. Daud, V. Lyuksemburg, J. C. Calcedo, M. M. Abecassis, 2010, "Geographic Access of Liver Transplant Patients to US Transplant Centers," *Hepatology*, **52:4S**, 1239A Meeting Abstract 1930.
- Ladner, D., A. Davis, J. Friedewald, M. Daskin S. Mehrotra, V. Lyuksemburg, A. Skaro, J. Calcedo, and M. Abecassis, 2010, "US Transplant Centers Are Closer to Those Who Don't Need Them," *American Journal of Transplantation*, **10, Spec. Issue SI, Sup 4**, 139.
- Davis, A., D. Ladner, J. Friedewald, M. Daskin, S. Mehrotra, V. Luyksemburg, A. Skaro, J. Calcedo, M. Abecassis, 2010, "Dialysis Centers Are Placed Closer to the Healthy Than the Sick," *American Journal of Transplantation*, **10, Spec. Issue SI, Sup 4**, 288.

PROCEEDINGS:

- Daskin, M. S., E. Eskigun and J. Tew, 2004, "A Genetic Algorithm for Designing a Reliable Supply Chain," Proceedings of the 2004 Industrial Engineering Research Conference.
- Snyder, L. and M. S. Daskin, 2004, "Multi-commodity Location/Inventory Modeling," Proceedings of the 2004 Industrial Engineering Research Conference.
- Daskin, M. S., W. M. Carlyle, E. S. Gel, J. W. Fowler, 2002, "Experiments with an Integrated Preference Function for Assessing a Genetic Algorithm for the Center-Median Location Tradeoff," Proceedings of the 2003 NSF Design and Manufacturing Grantees Conference.
- Coullard, C., M. S. Daskin, Z.-J. Shen, P. Xu, 2000, "An Integrated Model of Facility Location, Distribution and Inventory Management," Proceedings of the 2000 NSF Design and Manufacturing Grantees Conference.
- Owen, S. H., M. S. Daskin, C. R. Coullard, and A. P. Hurter, 1988, "New Models and Methods for Strategic Facility Location," Proceedings of the 1998 NSF Design and Manufacturing Grantees Conference.
- Hesse, S. M., M. S. Daskin, and C. S. ReVelle, 1998, "Strategic Facility Location through Scenario-Based Planning," Proceedings of the 1998 Industrial Engineering Research Conference, May, 1998, Banff, Alberta, Canada.
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- Berger, R. T., C. R. Coullard, M. S. Daskin, A. P. Hurter, M. G. Van Buer, 1995, "An Integrated Facility Location/Vehicle Routing Model for Perishable Commodities," Proceedings of the 1994 NSF Design and Manufacturing Grantees Conference, San Diego, CA.

- Malandraki, C. and M.S. Daskin, 1990, "The Maximum Benefit Chinese Postman Problem," Proceedings of the Advanced Technology Conference, sponsored by the U.S. Postal Service, Washington, D.C., **1**, November, pp. 265-277.
- Daskin, M. S., A. E. Haghani, M. Khanal and C. Malandraki, 1987, "Aggregation Effects in Maximum Covering Models," preprints of the Fourth International Symposium on Location Decisions, Namur, Belgium.
- Eaton, D. J., A. A. Piasecki and M. S. Daskin, 1985, "A Comparison of Time Series and Cross-Sectional Methods for Forecasting Calls for Emergency Medical Service," Proceedings of the 11th IMACS World Congress, System Simulation and Scientific Computation, **5**, August, pp. 197-200.
- Daskin, M. S., 1983, "Creative Options for Pricing and Service Delivery," Mass Transportation in the Chicago Metropolitan Region: Prospects and Policy Options, proceedings of a conference at Northwestern University, Evanston, IL 60208.
- Daskin, M. S. and C. Walton, 1980, "A Performance Model of Supertanker Lightering Operations," Proceedings of the 1980 Summer Simulation Conference, Seattle, WA, August, pp. 709-713.
- Stern, E., M. S. Daskin and D. Eaton, 1980, "A Multiobjective Heuristic Program for Siting Ambulance Stations," Proceedings of the Eleventh Annual Pittsburgh Conference on Modelling and Simulation, May, pp. 1449-1454.
- Daskin, M. S. and E. Stern, 1980, "A Framework for EMS Crew Scheduling," Proceedings of the Eleventh Annual Pittsburgh Conference on Modelling and Simulation, May, pp. 1443-1448.

BOOK REVIEWS:

- Daskin, M. S., 1988, "A Review of Location Decisions: Methodology and Applications," by J. Osleeb and S. Ratick, Transportation Science, **22**, pp. 289-290.
- Daskin, M. S., 1985, "A Review of Urban Transportation Networks: Equilibrium Analysis with Mathematical Programming Methods," by Y. Sheffi, Transportation Science, **19**, pp. 463-466.
- Daskin, M. S., 1977, "A Review of Urban Systems Models," by W. Helly, Transportation Research, **11**, pp. 69-70.

SELECTED REPORTS AND THESES:

- Owen, S. H. and M. S. Daskin, 1998, "A note on evolution programs for solving multi-objective strategic facility location problems," working paper, Department of Industrial Engineering and Management Sciences, Northwestern University, Evanston, IL, 60208.
- Owen, S. H. and M. S. Daskin, 1998, "Strategic Facility Location via Evolutionary Programming," working paper, Department of Industrial Engineering and Management Sciences, Northwestern University, Evanston, IL, 60208.
- Berger, R. T., C. R. Coullard, and M. S. Daskin, 1996, "Modeling and Solving Location-Routing Problems with Route Length Constraints," Department of Industrial Engineering and Management Sciences, Northwestern University, Evanston, IL 60208.
- Hesse, S. M., C. R. Coullard, M. S. Daskin, and A. P. Hurter, 1996, "Improving Platelet Inventory Management at Heartland Blood Centers," prepared for Heartland Blood Centers, October.
- Daskin, M.S. and P. C. Jones, 1993, "Thermo-King Phase II Final Report," prepared for the Thermo-King Corporation, July.
- Jones, P. M., M. S. Daskin, and R. G. Gremley, 1992, "Heartland Blood Centers: Scheduling System Preliminary System Design," Final Project Report, prepared for Heartland Blood Centers, November.
- Daskin, M.S., 1991, "Course Notes on Location Theory: Chapters 1-6," prepared for Industrial Engineering C28, Location Analysis and Spatial Modelling.
- Daskin, M. S., 1989, "CAMS: Capacity Analysis Model for Suppliers", Final Research Report, prepared for the General Motors Corporation.
- Daskin, M. S. 1989, "Research on Capacity Planning for General Motors," Progress Report, prepared for the General Motors Corporation.
- Rose, G., M. S. Daskin and F. S. Koppelman, 1987, "Analysis of Errors in Network Equilibrium Models: Convergence and Parameter Estimation Errors," Final Project Report, Office of Technical Assistance, Urban Mass Transportation Administration, U.S.D.O.T., Washington, D.C.
- Daskin, M. S., K. Hogan and C. ReVelle, 1987, "Integration of Multiple, Excess, Backup and Expected Covering Models," Operations Research Group Report 87-01, the Johns Hopkins University, Baltimore, MD.
- Daskin, M. S., 1986, "The General Motors Maximum Covering Location Model System: Operations Manual," prepared for the General Motors Corporation.
- Daskin, M. S., 1986, "A Maximum Covering Location Model for Rail Ramp Location Analyses: Theory and Applications," prepared for the General Motors Corporation.
- Daskin, M. S. and L. N. Moses, 1985, "Notes on Linear Programming," Lecture Notes prepared for Transportation Center Management Programs Course on Logistics, Transportation Center, Northwestern University, Evanston, IL.

- Daskin, M. S. and L. N. Moses, 1985, "Notes on a Combined Model of Capacity Expansion, Production, Inventory and Transportation," Lecture Notes prepared for Transportation Center Management Programs Course on Logistics, Transportation Center, Northwestern University, Evanston, IL.
- Moses, L. N. and M. S. Daskin, 1985, "Notes on a Combined Model of Production and Inventory Over Time," Lecture Notes prepared for Transportation Center Management Programs Course on Logistics, Transportation Center, Northwestern University, Evanston, IL.
- Moses, L. N. and M. S. Daskin, 1985, "A Model of Production, Transportation and Sales," Lecture Notes prepared for Transportation Center Management Programs Course on Logistics, Transportation Center, Northwestern University, Evanston, IL.
- Daskin, M. S., J. Schofer, and A. Haghani, 1984, "An Optimization-Based Model for Designing and Evaluating Transit Fare Policies," Final Project Report, Office of Technical Assistance, Urban Mass Transportation Administration, U.S. D.O.T., Washington, D.C., May.
- Daskin, M. S. and M. Schultheis, 1982, "Models of Lightering Operations," Final Project Report, U. S. Maritime Administration Report Number MA-RD-930-82062, U.S. D.O.T., Washington, D.C., May.
- Walton, C. M. and M. S. Daskin, 1981, "The Utility of Offshore Lightering Under Alternative Proposals," Center for Transportation Research Report 65, Bureau of Engineering Research, University of Texas at Austin, Austin, TX, August.
- (with others), 1980, "Analysis of Emergency Medical Services in Austin, Texas," vols. I-II, LBJ School of Public Affairs Research Project Report Number 41, University of Texas at Austin, Austin, TX.
- (with others), 1979, "Location Techniques for Emergency Medical Service Vehicles," vols. I-IV, LBJ School of Public Affairs Research Project Report Number 34, University of Texas at Austin, Austin, TX.
- Daskin, M. S., 1979, "Estimating the Time Dependence of EMS Calls Using Orthogonal Polynomials," Emergency Medical Services Project Internal Memo, LBJ School of Public Affairs, University of Texas at Austin, Austin, TX, March.
- Daskin, M. S., J. Betak, R. Machemehl and R. Briggs, 1978, "Recommended Procedures for Evaluating Medical Services Transportation in Houston, Texas," Research Memo 43, Council for Advanced Transportation Studies, University of Texas at Austin, Austin, TX, October.
- Daskin, M. S., 1978, "The Effect of the Origin-Destination Matrix on the Performance of Loop Transportation Systems," Ph.D. dissertation, Department of Civil Engineering, M.I.T., May.
- Daskin, M. S., 1978, "Issues in the Design and Analysis of Airport Ground Transport Systems," SAE, Air Transportation Meeting, Boston, MA, May.
- Daskin, M. S., 1975, "A Simulation Model of Consumer Commodity Shortages," dissertation for the Certificate of Post-Graduate Study in Engineering, Department of Engineering, Cambridge University, Cambridge, England, June.
- Daskin, M. S., S. Schladover and K. Sobel, 1974, "Service Station Queues During the Gasoline Shortage," M.I.T. Operations Research Center Technical Report, no. 97, July.

FUNDED RESEARCH ACTIVITIES:

Externally Funded Projects —

Optimal Investment Allocation of Automakers and Electricity Generators in a Carbon Constrained World, *January 2011 – December 2011*, \$40,000 (joint with S. Skerlos).

Multi-objective Robust Stochastic Planning and Scheduling of Healthcare Service Providers, National Science Foundation, *September, 2009 – August 2012*, \$454,977 (joint with Sanjay Mehrotra, Heron Rodriguez and Debra DaRosa).

COLLABORATIVE RESEARCH: Optimizing the supply chain for cost and carbon footprint, National Science Foundation *August, 2009 – July 2012*, \$187,498.

Yield Management Opportunities at Carry Transit, Carry Transit, *January, 2007 – December, 2007*, \$70,701 (joint with K. Smilowitz and T. Homem-de-Mello).

Risk Management in Supply Chain Design and Operations, National Science Foundation, *March, 2005 – February, 2009*, \$349,867 (joint work with S. Chopra).

Integrated Location-Inventory Models Under Uncertainty, Office of Naval Research, *January, 2005 – December, 2005*, \$99,999 (joint work with C. Coullard).

COLLABORATIVE RESEARCH: Integrated supply chain design for customer service, robustness and information systems, National Science Foundation, *August, 2002 – July, 2004*, \$90,452.

Matching funds for COLLABORATIVE RESEARCH: Integrated supply chain design for customer service, robustness and information systems, General Motors, *January, 2003 – August, 2004*, \$60,000.

SGER: Solution Evaluation Methods of Multi-objective Combinatorial Optimization Algorithms, National Science Foundation, *August, 2001 – July 2002*, \$40,000 (joint work with C. Coullard)

Stochastic Multi-Objective Location, Inventory and Routing Models for Perishable Commodities, National Science Foundation, *September, 1998 – August, 2002*, \$404,000 (joint work with A. Hurter and C. Coullard).

Vehicle Routing, USA Floral Products, Inc., *June, 1999 – December, 1999*, \$23,500.

Models of Production and Distribution for Perishable Commodities, National Science Foundation, *September, 1996 – August, 1999*, \$378,300 (joint work with A. Hurter and C. Coullard).

Summer Internship at Heartland Blood Centers, *June, 1996 – September, 1996*, \$12,322.

Modeling And Solving Large-Scale Production, Location And Distribution Problems For Time-Sensitive Products,” National Science Foundation, *September, 1995 – August, 1998*, \$195,000 (joint work with A. Hurter and C. Coullard)

Rationalizing And Standardizing Steel Coil Purchases: A Systemic Approach, General Motors, *September, 1994 – December, 1995*, \$39,000.

Models of Production and Distribution for Perishable Commodities, National Science Foundation, *October, 1993 – September, 1996*, \$121,997 (joint work with A. Hurter and M. Van Buer).

Models and Algorithms for Dynamic Vehicle Routing and Positioning, United Parcel Service Foundation, *January, 1993 – January, 1994*, \$50,000.

Bloodbank Scheduling for Heartland Blood Centers, Heartland Blood Centers, co-principal investigator with P. Jones, *July, 1992 – September, 1992*, \$13,229.

Models and Algorithms for Dynamic Vehicle Routing and Positioning, United Parcel Service Foundation, *February, 1991 – February, 1992*, \$50,000.

Optimization of Materials Sourcing, Thermo-King Corporation, Phase I: *January, 1990 – January, 1991*, co-investigator with P. Jones, \$66,813; Phase II: *September, 1992 – March, 1994*, co-investigator with P. Jones, \$77,268.

National Science Foundation Presidential Young Investigator Award, *July, 1984 – January, 1990*, \$500,000. (Industrial matching funds \$187,500 from General Motors Corporation; National Science Foundation Funds \$312,500).

United Parcel Service Grant, co-principal investigator with J. Schofer, R. Braeutigam and P. Jovanis, *January, 1983 – December, 1986*, \$150,000.

Analysis of Errors and Their Propagation Among Interrelated Transportation Models, Urban Mass Transportation Administration, *October, 1984 – November, 1985*, co-principal investigator, with F. Koppelman, \$65,063.

Development of a Search Model for Alternate Transit Fare Policies, Urban Mass Transportation Administration, *September, 1982 – May, 1984*, co-principal investigator with J. Schofer, \$59,999.

Location Techniques for Finite Capacity Service Centers Subject to Random Breakdowns, National Science Foundation, *May, 1980 – October, 1982*, \$39,994.

Development of a Model of Lightering Operations, U.S. Maritime Administration, *September 1980 – May 1982*, \$31,657.

Analysis of Emergency Medical Service Location Alternatives in Austin, Texas, City of Austin, *September, 1978 – August, 1980*, co-principal investigator with D. Eaton (1979-1980), \$30,000.

Internally Funded Projects –

Merion, R., A. Leichtman, M. S. Daskin, 2013, "Performance Evaluation in Organ Transplantation: Beyond Case Mix Adjustment," \$60,000, M-Cubed Project, University of Michigan, Ann Arbor, MI.

Applied Location Modeling, Northwestern University Transportation Center, *June – August, 1981*, \$900.

Analysis of the Effects of Inventory Handling on Port Operations, Northwestern University Transportation Center, *June – August, 1981*, \$2,650.

Modeling Supertanker Lightering, Northwestern University Transportation Center, *August, 1980*, \$2,000.

Development of Analytic and Simulation Capabilities for Deepwater Ports, University of Texas Bureau of Engineering Research, *September, 1978 – August, 1979*, \$3,000.

**SELECTED PRESENTATIONS AT PROFESSIONAL SOCIETIES
AND OTHER INVITED TALKS (last 15 years only)**

Daskin, M. S., 2015, “Research,” New Faculty Colloquium, INFORMS, Philadelphia, November, 2015.

Daskin, M. S. 2015, “Panel Discussion on Tenure and Promotion,” INFORMS, Philadelphia, November, 2015.

Maass, K. L., M. S. Daskin, S Shen, 2015, “Stochastic Inventory Modulated Capacitated Facility Location Models,” INFORMS, Philadelphia, November 2015.

Daskin, M. S., K. L. Maass, S. Shen, 2015, “Mitigating Hard Capacity Constraints in Fixed Charge Location Problems,” invited seminar, Pennsylvania State University, October, 2015.

Daskin, M. S., K. L. Maass, S. Shen, 2015, “Mitigating Hard Capacity Constraints in Fixed Charge Location Problems,” invited seminar, Workshop in honor of David Simchi-Levi’s 60th Birthday, Berkeley, CA, October, 2015.

Daskin, M.S. 2015, “Diversity and Industrial Engineering,” **invited plenary talk**, IIE Conference, Nashville, TN.

Daskin, M. S., 2014, “Logistics and Supply Chains,” Transportation Center, Northwestern University, Evanston, IL, November 2014.

Daskin, M. S., 2014, “Research,” New Faculty Colloquium, INFORMS, San Francisco, November, 2014.

Pekgun, P., M. Brandeau, M. S. Daskin, B. Toktay, and G. van Ryzin, 2014, “Academic Job Search Panel,” INFORMS, San Francisco, November 2014.

Maass., K., M. S. Daskin, and S. Shen, 2014, “An Inventory Modulated Capacitated Facility Location Model with Correlated Demands,” INFORMS, San Francisco, November 2014.

Behzad, B., M. S. Daskin, R. Nagi, J. C. Smith and J. Terpenney, 2014, “Panel with Department Chairs: How to Recruit, Retain, and Support Women and Minority Students,” INFORMS, San Francisco, November 2014.

Maass, K., M. S. Daskin, and S. Shen, 2014, “Mitigating Hard Capacity Constraints in Stochastic Facility Location Modeling,” ISOLDE Conference, Naples/Capri, Italy, June, 2014

Daskin, M. S., 2014, “Nurse Staffing: Models and Analysis,” University of Florida, October 2014.

Daskin, M. S., 2014, “Nurse Staffing: Models and Analysis,” North Carolina State University, October, 2014.

- Maass, K., M. S. Daskin and S. Shen, 2014, "A new Stochastic Capacitated Facility Location Modeling Approach," ISERC Conference, Montreal, Canada, May/June 2014.
- Daskin M. S., A. Cohn, S. Levin, M. Mayorga and M. Carter, 2014, "Emerging Research Trends in Healthcare – A Panel Discussion," ISERC Conference, Montreal, Canada, May/June 2014.
- Maass, K., M. S. Daskin, M. Duck, B. Liu, and Z. Wang, 2014, "Long Term Nurse Staffing Under Demand Uncertainty," ISERC Conference, Montreal, Canada, May/June 2014.
- Cohn, A., A. Perlmutter, R. Chen, W. Pozehl, M. S. Daskin, R. Reddy, F. Seagull, and A. Obi, 2014, "Using Computerized Simulation to Improve the Assigning of Surgical Residents to Training Opportunities," ISERC Conference, Montreal, Canada, May/June 2014.
- Cohn, A., J. East, A. Rochford, M. S. Daskin, J. Kellenberg, and L. An, 2014, "Using IE/OR Techniques to Improve the Enrolling of Volunteers in Clinical Trials," ISERC Conference, Montreal, Canada, May/June 2014.
- Daskin, M. S., 2014, "Nurse Staffing: Models and Analysis," University of Buffalo, February, 2014.
- Daskin, M. S., 2013, "Nurse Staffing: Models and Analysis," Penn State University, October, 2013.
- Maass, K., S. Shen, M. S. Daskin, 2013, "A New Approach to Integrating Inventory Into Capacitated Facility Location Modeling," INFORMS Annual Meeting, October, 2013.
- Pozehl, W., R. Reddy, A. Cohn, R. Chen, A. Obi, J. Chung, and J. Seagull, 2013, "Scheduling Residents to Achieve Adequate Training on Procedures with Random Occurrences," INFORMS Annual Meeting, October, 2013.
- Maass, K., M. S. Daskin, A. Weiss, and V. Lo, 2013, "Maximizing Diversity in the Engineering Global Leadership Honors Program Cultural Families," INFORMS Annual Meeting, October, 2013.
- Daskin, M. S. 2013, "Lectures on Location Modeling and Theory," mini-course, MIT-Zaragoza program, June, 2013.
- Daskin, M. S., 2013, "Integrating Operational Modeling into Facility Location Models," Plenary Talk, Workshop on Locational Analysis and Related Problems, Marbella, Spain, June 2013
- Maass, K., M. S. Daskin, S. Shen, 2013, "New Approach to Capacity Modeling in Location Models," IIE Annual Conference, Puerto Rico, May 2013.
- Daskin, M. S. 2013, "The Doctorate in Academia," Joint PhD/New Faculty Colloquium, IIE Annual Meeting, Puerto Rico, May 2013.
- Daskin, M. S., 2013, "Analytics, Big Data and Operations Research," University of Toronto, Toronto, January, 2013.
- Daskin, M. S., 2012, "Analytics, Big Data and Operations Research," University of South Florida, Tampa, FL. November, 2012.
- Zheng, K., M. S. Daskin, 2012, "Defender-Interdictor Location Models with Uncertain Futures," INFORMS Annual Meeting, Phoenix, AZ October, 2012.
- Li, X., Z. Chen, M. Daskin, R. Froelich, J. Lee, 2012, "Optimization-based Approaches to Assigning Sorority Sisters to Rooms and Roommates," INFORMS Annual Meeting, October, 2012.

- Daskin, M. S., 2012, "Thoughts on Research," Future Academicians Colloquium, INFORMS Annual Meeting, October, 2012.
- Cohn, A., M. S. Daskin, R. Reddy, 2012, "Challenges in Training Cardio-Thoracic Transplant Surgeons," INFORMS Annual Meeting, October, 2012.
- Daskin, M. S., 2012, "Analytics, Big Data and Operations Research," Plenary Talk, Integration of Modeling, Optimization, Data Analysis and Knowledge Management for Solving Real world Problems Conference, Aachen, Germany, August, 2012
- Daskin, M. S., 2012, "Difficult to Handle Situations and Ethics," New Faculty Colloquium Presentation, IIE Conference, Orlando, FL, May 2012.
- Daskin, M. S., 2011, "Location-Allocation Models to Enhance Equity in Kidney Allocations in the United States," Plenary Talk, LAND Translog Workshop, Puerto Varras, Chile, December, 2011.
- Daskin, M. S., 2011, "Enhancing Equity in Kidney Allocations in the United States," CREATE Seminar, McGill University, December 2011.
- Daskin, M. S. 2011, "Enhancing Equity in Kidney Allocations and Renal Disease Treatment in the United States," Industrial and Systems Engineering Graduate Research Symposium, Wayne State University, November, 2011.
- Davis, A., M. Abecassis, M. Daskin, J. Friedewald, D. Ladner, S. Mehrotra, and A. Skaro, 2011, "Demonstrating Geographic Equity in Kidney Organ Allocation – Satisfying the Final Rule At Last," INFORMS Annual Conference, Charlotte, NC, November 2011.
- Caruso, K., M. Daskin, E. Klampfl, Y Liu, S. Skerlos and M Tamor, 2011, "Investment strategies for automotive and electricity sector carbon compliance," INFORMS Annual Conference, Charlotte, NC, November 2011.
- Nagurney, A., M. Daskin, R. Kulkarni, L. Servi and E. Wolman, 2011, "Panel Discussion: Leaders Offer Professional Advice to Women and Men," E. Gel, and A. Nagurney co-chairs, INFORMS Annual Conference, Charlotte, NC, November 2011.
- Turner, J., M. Daskin, J. Hu, S. Mehrotra, 2011, "Optimal Learning for Surgical Residents," INFORMS Annual Conference, Charlotte, NC, November 2011.
- Daskin, M. S., 2011, "Enhancing Equity in Kidney Allocations and Renal Disease Treatment in the United States," Workshop on Logistics and Supply Chain Management, Berkeley, CA, September, 2011.
- Daskin, M. S., 2011, "Genetic Algorithms and Multi-objective Optimization," Plenary Talk, MOPTA 2011 (Modeling and Optimization: Theory and Applications) Conference, Lehigh University, August, 2011.
- Davis, A., M. Daskin, S. Mehrotra, D. Ladner, J. Friedewald, V. Lyuksemburg, A. Skaro, J. C. Caicedo, and M. Abecassis, 2011, "Analysis of Kidney Transplant Center Locations in the United States," INFORMS Healthcare 2011 Conference, Montreal, Quebec, Canada, June, 2011.
- Davis, A., M. Abecassis, M. Daskin, J. Friedewald, D. Ladner, S. Mehrotra, and A. Skaro, 2011, "Ameliorating Geographic Disparities in Kidney Transplantation Rates through Optimization Approaches," INFORMS Healthcare 2011 Conference, Montreal, Quebec, Canada, June, 2011.
- Daskin, M., S. Talebi and S. Benjaafar, 2011, "Location Impacts of Carbon Emission Constraints and Policies," IERC Conference, Reno, NV, May, 2011.

- Daskin, M. S., 2011, "Handling Difficult Situations," New Faculty Colloquium, IERC Conference, Reno, NV, May, 2011.
- Daskin, M. S. 2010, "Operations Research and Healthcare," Invited Seminar, Industrial and Systems Engineering Department, Auburn University.
- Davis, A., M. S. Daskin and S. Mehrotra, 2010, "Distributional Robust Newsvendor Models for Nurse Demand Estimation," INFORMS Annual Meeting, Austin, TX.
- Turner, J., D. DaRosa, M. S. Daskin, S. Mehrotra, H. Rodriguez and P. Speicher, 2010, "Removing Barriers to Resident-patient Continuity of Care," INFORMS Annual Meeting, Austin, TX.
- Daskin, M. S., (moderator), 2010, "Panel Discussion: OR in Engineering Schools," INFORMS Annual Meeting, Austin, TX.
- Turner, J., H. Rodriguez, M. S. Daskin, and D. DaRosa, 2010, "Improving the Educational Outcomes of Future Surgeons," INFORMS Annual Meeting, Austin, TX.
- Daskin, M. S. (panelist), 2010, "Panel Session: Critical Areas of Research at the Intersection of Industrial and Systems Engineering and Health Care," INFORMS Annual Meeting, Austin, TX.
- Turner, J. P., H. E. Rodriguez, M. S. Daskin, D. A. DaRosa, P. Speicher, 2010, "Improving resident-patient continuity of care," MSOM Conference, Haifa, Israel.
- Rodriguez, H., J. P. Turner, P. Speicher, M. S. Daskin, and D. A. DaRosa, 2010, "Enhancing educational quality and continuity of care in a surgical residency program using industrial engineering methods," Grand Rounds, Northwestern Memorial Hospital, Chicago, IL.
- Rodriguez, H., J. P. Turner, P. Speicher, M. S. Daskin, D. A. DaRosa, 2010, "Enhancing educational quality and continuity of care in a surgical residency program using industrial engineering methods," Surgical education week, San Antonio, TX.
- Davis, A., D. Ladner, J. Friedewald, M. S. Daskin, S. Mehrotra, V. Lyuksemburg, A. Skaro, J. Caicedo, and M. Abbecassis, 2010, "Analysis of Dialysis Center Locations in Illinois," American Transplant Congress.
- Davis, A., D. Ladner, J. Friedewald, M. S. Daskin, S. Mehrotra, V. Lyuksemburg, A. Skaro, J. Caicedo, and M. Abecassis, 2010, "Analysis of Transplant Center Locations in the United States," American Transplant Congress."
- Daskin, M. S., A. Davis, S. Mehrotra, 2010, "Reducing Nurse Shortage Issues: A Newsvendor Approach towards Nurse Scheduling," IERC Conference, Cancun, Mexico.
- Daskin, M. S., T. Homem-de-Mello, K. Smilowitz, S. Lee, J. Turner, P. Rice, T. Pomeranz, and A. Rangarajan, 2009, "Truckload Vehicle Routing with Flexible Delivery Times," Department of Civil Engineering, University of Illinois at Urbana-Champaign, November.
- Turner, J., M. Daskin, T. Homem-de-Mello, S. Lee and K., Smilowitz, 2009, "Dynamic Fleet Scheduling with Uncertain Demand and Customer Flexibility," INFORMS Annual Meeting, San Diego, CA.
- Turner, J., D. DaRosa, M. S. Daskin and H. Rodriguez, 2009, "Continuity of Care as a Function of Surgical Residents' Rotation Durations," INFORMS Annual Meeting, San Diego, CA.
- Liberatore, F., M. S. Daskin, and P. Scaparra, 2009, "Pre-disaster Protection Planning Against Disruptions Affecting Large Geographical Areas," INFORMS Annual Meeting, San Diego, CA.

- Ebrahimi, N., M. S. Daskin, S. Iravani, H. D. Shin, 2009, "Salesperson Compensation Scheme in a Supply Chain," INFORMS Annual Meeting, San Diego, CA.
- Lim, M., A. Bassamboo, S. Chopra, and M.S. Daskin, 2009, "A Discrete Location Problem with Premeditated Facility Disruptions," INFORMS Annual Meeting, San Diego, CA.
- Daskin, M. S., 2009, "Service to the Profession," Future Academicians Colloquium, INFORMS Annual Meeting, San Diego, CA.
- Daskin, M. S., 2009, "The Job Application Process," Future Academicians Colloquium, INFORMS Annual Meeting, San Diego, CA.
- Daskin, M. S., 2009, "Location Modeling and Facility Reliability," Invited Plenary Talk, Location and Network Design Workshop, Pucon, Chile.
- Daskin, M. S., T. Homem-de-Mello, K. Smilowitz, S. Lee, J. Turner, P. Rice, T. Pomeranz, and A. Rangarajan, 2009, "Truckload Vehicle Routing with Flexible Delivery Times," IOE Department, University of Michigan, February.
- Liberatore, F., M. S. Daskin, and M. P. Scaparra, 2008, "Protection and Interdiction of Facilities: A Stochastic Model," INFORMS Annual Meeting, Washington, DC.
- Turner, J., S. Lee, K. Smilowitz, M. Daskin and T. Homem-de-Mellow, 2008, "Scheduling Truckload Shipments with Customer Flexibility," INFORMS Annual Meeting, Washington, DC.
- Lim, M., M. S. Daskin, A. Bassamboo, and S. Chopra, 2008, "Flexible Network Design in the Presence of Random Disruptions," INFORMS Annual Meeting, Washington, DC.
- Lim, M., M. S. Daskin, S. Chopra, and A. Bassamboo, 2008, "Defender/interdictor Location Model for Protecting Critical Infrastructure," INFORMS Annual Meeting, Washington, DC.
- Daskin, M. S. and W. J. White, 2008, "How Industrial Engineering and Management Science Contribute to Improved Healthcare," workshop, Department of Industrial Engineering and Management Sciences 50th Anniversary Weekend, Northwestern University, Evanston, IL.
- Liberatore, F., M. P. Scaparra, and M. S. Daskin, 2008, "Hardening facilities against random numbers of losses," ISOLDE Conference, Santa Barbara, CA (invited).
- Lim, M., M. S. Daskin, A. Bassamboo, and S. Chopra, 2008, "Facility reliability models: Preparing for random and non-random failures," ISOLDE Conference, Santa Barbara, CA (invited).
- Daskin, M. S., 2008, "How Industrial Engineering and Operations Research Can Contribute to Improved Healthcare," Department of Surgery, Northwestern Memorial Hospital, Chicago, IL (invited).
- Daskin, M. S., T. Homem-de-Mello, S. Lee, K Smilowitz, and J. Turner, 2008, "Reducing Truckload Delivery Costs Through Customer Flexibility," International Conference on Industrial Logistics, Tel Aviv, Israel (invited).
- Daskin, M. S., 2008, "Algorithms for facility location and supply chain reliability," London School of Economics, (invited) and University of Kent Business School, Canterbury, England (invited).
- Daskin, M. S. and M. Shen, 2007, "An Integrated Inventory and Service Model," INFORMS Annual Meeting, Seattle, WA. (invited).
- Lim, M., M. S. Daskin, S. Chopra and A. Bassamboo, 2007, "A Model of Facility Hardening in the Presence of Disruptions," INFORMS Annual Meeting, Seattle, WA. (invited).

- Daskin, M. S., 2007, "An Interactive Panel/Audience Discussion: Operations Research in Engineering – Expectations for Junior Faculty," INFORMS Annual Meeting, Seattle, WA. (invited panel member).
- Lim, M., M. S. Daskin, A. Bassamboo, and S. Chopra, 2007, "Flexibility and Fragility in Supply Chain Network Design," INFORMS Annual Meeting, Seattle, WA. (invited).
- Zhan, L., M. Shen and M. S. Daskin, 2007, "Facility Reliability with Site Specific Failure Probabilities," INFORMS Annual Meeting, Seattle, WA. (invited).
- Daskin, M. S., 2007, "Supply Chain Design to Mitigate Disruptions," Department of Industrial Engineering and Operations Research, University of California, Berkeley, CA. (invited)
- Daskin, M. S., 2007, "Tutorial: Logistics," INFORMS Midwest Regional Meeting, Northwestern University, Evanston, IL 60208. (invited)
- Lim, M., M. S. Daskin, S. Chopra and A. Bassamboo, 2007, "Reliable Supply Chain Network Design Subject to Random Facility Disruption," INFORMS Midwest Regional Meeting, Northwestern University, Evanston, IL 60208.
- Daskin, M. S., 2007, "Facility Location, Multi-objective Optimization and Genetic Algorithms," and Department of Industrial and Operations Engineering, University of Michigan, Ann Arbor, MI. (invited)
- Daskin, M. S., 2007, "Transportation Infrastructure Challenges," Philips Electronics Logistics Managers Meeting, Orlando, FL. (invited)
- Daskin, M. S., 2007, "Supply Chain Design to Mitigate Disruptions," Transportation Center, Northwestern University, Evanston, IL (invited) and Department of Industrial and Operations Engineering, University of Michigan, Ann Arbor, MI. (invited)
- Sahyouni, K., M. S. Daskin and C. Savaskan, 2006, "To Repair or to Replace? Optimal Repair Durations for Short Lifecycle Products," INFORMS Annual Meeting, Pittsburgh, PA. (invited).
- Sahyouni, K., M. S. Daskin and C. Savaskan, 2006, "The Effects of Customer Behavior On Closed Loop Supply Chain Network Design," INFORMS Annual Meeting, Pittsburgh, PA. (invited).
- Snyder, L. V., M. P. Scaparra, M. S. Daskin, and R. Church, 2006, "Planning for Disruptions in Supply Chain Networks," Invited Tutorial, INFORMS Annual Meeting, Pittsburgh, PA.
- Lim, M., M. S. Daskin, and S. C. Chopra, 2006, "Models of Facility Reliability," INFORMS Annual Meeting, Pittsburgh, PA. (invited).
- Ilhan, T., M. S. Daskin, and S. Iravani, 2006, "Adaptive Knapsack Problem with Stochastic Rewards," INFORMS Annual Meeting, Pittsburgh, PA. (contributed).
- Daskin, M. S., 2006, "Everyday Lessons from Operations Research," Presidential Plenary Address, INFORMS Annual Meeting, Pittsburgh, PA. (invited)
- Daskin, M. S., 2006, "Linear Programming, Mapquest and Student Seminars," Illinois Math and Science Academy, Mu Alpha Theta Induction Ceremony, Aurora, IL (invited)
- Daskin, M. S., 2006, "To Harden or not to Harden: That is the Question," Parsons Distinguished Lecture Series, Department of Industrial and Systems Engineering, Texas A&M, College Station, TX. (invited)
- Daskin, M., K. Sahyouni and C. R. Savaskan, 2006, "Models for Closed Loop Logistics," EURO XXI Meeting, Reykjavik, Iceland.

- Daskin, M. S., 2006, "Everyday Lessons From Operations Research," Keynote address, Eighth National Conference of the Operations Research Society of China, Shenzhen, China. (invited)
- Daskin, M. S., S. Chopra and M. Lim, 2006, "Models for Facility Hardening Decisions," INFORMS Hong Kong Meeting, Hong Kong.
- Daskin, M. S., 2005, "E-Business and Reverse Logistics," GM ISL Workshop on Frontiers of E-Business, Bangalore, India, December 8-9, 2005.
- Ilhan, T., M. S. Daskin, and S. Iravani, 2005, "The Stochastic Orienteering Problem," INFORMS Annual Meeting, San Francisco, CA.
- Sahyouni, K., M. Daskin, C. Savaskan, 2005, "Integrating Reverse Channel Design Decisions with Forward Distribution Networks," INFORMS Annual Meeting, San Francisco, CA.
- Daskin, M. S., 2005, "To Harden or Not To Harden," Kent Business School, University of Kent, Kent, England.
- Daskin, M. S. and M. Ruffolo, 2005, "Locating Large Radiological Databases," IFORS meeting, Hawaii, HI.
- Ruffolo, M. and M. S. Daskin, 2005, "Locating Large Repositories of Radiological Image Data," ISOLDE X Conference, Spain.
- Ozsen, L. and M. S. Daskin, 2005, "An Analytical Location-Inventory Model," ISOLDE X Conference, Spain.
- Daskin, M. S., 2005, "Genetic Algorithms for Multi-Objective Facility Location (and other) Problems," Invited Talk, Krannert School of Management, Purdue University, West Lafayette, IN. *also*, Fisher College of Business, The Ohio State University, Columbus, OH.
- Daskin, M. S., 2004, "I: Location Modeling; II: An Integrated Location/Inventory Model; III: Multi-Objective Facility Location problems and Genetic Algorithms," series of three talks on location modeling, University of Aachen, Aachen, Germany.
- Daskin, M. S., 2004, "Publishing and Promotion," INFORMS Doctoral colloquium, Denver, CO.
- Ozsen, L., M. S. Daskin, and C. Coullard, 2004, "Approximate Model for Integrated Location-Inventory Planning," INFORMS, Denver, CO.
- Ozsen, L. and M. S. Daskin, 2004, "Benefits from integrated location/inventory modeling," INFORMS, Denver, CO.
- Daskin, M. S., 2004, "Genetic Algorithms for Multi-Objective Facility Location Problems," Invited Talk, University of Central Florida, Orlando, FL.
- Daskin, M. S., 2004, "Graduation, Creation, and the Big Bang," PhD Hooding Ceremony, MEAS, Northwestern University, Evanston, IL.
- Daskin, M. S., E. Eskigun and J. Tew, 2004, "A genetic algorithm for designing a reliable supply chain," IERC Conference, Houston, TX, May, 2004.
- Snyder, L. and M. S. Daskin, 2004, "Multi-commodity location/inventory modeling," IERC Conference, Houston, TX, May, 2004.
- Daskin, M.S., 2004, "Genetic Algorithms for Multi-Objective Facility Location Problems," Invited Talk, Department of Industrial and Systems Engineering, University of Florida, Gainesville, FL.

- Also* Department of Industrial Engineering, Arizona State University. *Also* Graduate School of Industrial Administration, Carnegie Mellon University.
- Chen, G., S. Uryasev, Z.-J. Shen, and M. S. Daskin, 2003, "CVaR P-Median Regret: A New Model for Strategic Facilities Location," INFORMS Meeting, Atlanta, GA, 2003.
- Shen, Z.-J. M and M. S. Daskin, 2003, "Integrating Service, Location and Inventory Planning," INFORMS Meeting, Atlanta, GA, 2003.
- Snyder, L. and M. S. Daskin, 2003, "Reliability models for facility location," INFORMS Meeting, Atlanta, GA, 2003.
- Ozsen, L., C. Coullard and M. S. Daskin, 2003, "Capacitated facility location model with risk pooling," INFORMS Meeting, Atlanta, GA, 2003.
- Daskin, M. S. and L. Snyder, 2003, "The Reliability P Median Problem," Invited Talk, EURO/Informs Conference, Istanbul, Turkey, July, 2003.
- Daskin, M. S., 2003, "Designing Robust and Reliable Supply Chains," Invited Talk, University of Iowa, Department of Management Sciences, Henry B. Tippie College of Business, June, 2003 (also at University of Illinois, Department of Mechanical and Industrial Engineering, April, 2003).
- Daskin, M. S., 2003, "Trends in Supply Chain Research," Invited Talk, Northrup Grumman Corporation, May, 2003.
- Daskin, M. S., 2002, "Applications of Location Modeling," Invited talk, IMA/CRT Conference, University of Montreal, December 3, 2002.
- Ozsen, L., M. S. Daskin and C. Coullard, 2002, "A Capacitated Integrated Location/Inventory Model," INFORMS San Jose Meeting, November, 2002.
- Snyder, L. and M. S. Daskin, 2002, "A P-Robust Location/Inventory Model," Invited talk, INFORMS San Jose Meeting, November, 2002.
- Snyder, L. and M. S. Daskin, 2002, "A Reliability-based P-median Model," Invited talk, INFORMS San Jose Meeting, November, 2002.
- Daskin, M. S., 2002, "Designing Robust and Reliable Supply Chains," invited talk, Mechanical Engineering Department, University of Minnesota, Minneapolis, MN. (also at Department of Geography, Arizona State University, Tempe, AZ.)
- Daskin, M.S., L.V. Snyder and C.-P. Teo, 2002, "A Multi-Scenario Approach to Integrated Inventory Location Modeling," IFORS Conference, Edinburgh, Scotland.
- Daskin, M.S., 2002, "Integrated Inventory-Location Models," invited talks at (1) Tel Aviv University and (2) The Technion (Israel Institute of Technology), May 2002.
- Daskin, M.S., 2002, "Recent Trends in Location and Supply Chain Modeling," Pinchas Naor Keynote Address, Operations Research Society of Israel, Kibbutz Shefayim, Israel, May 2002.
- Daskin, M.S., 2002, "The Centdian Problem: Solution Approach and Computational Results," IERC Conference, Orlando, FL, May 2002.
- Daskin, M. S., Current, J. and D. Schilling, "Tutorial: Location Modeling," INFORMS, Miami Meeting, November 2001.
- Ozsen, L., Coullard, C. R., and M. S. Daskin, "Integrated Inventory/Location Modeling," INFORMS, Miami Meeting, November 2001.

- Snyder, L. V. and M. S. Daskin, "The Newsvendor Problem with Demand-Estimating Information Technology Systems," INFORMS, Miami Meeting, November 2001.
- Daskin, M. S., 2001, "A New Integrated Location/Inventory Model," Invited Talk, University of California at Berkeley, November 2001.
- Daskin, M. S., 2001, "A New Integrated Location/Inventory Model," Invited Talk, Washington University Olin School of Management, October 2001.
- Daskin, M. S., C. R. Coullard, and Z.-J. M. Shen, 2001, "A Lagrangian Approach to an Integrated Inventory-Location Problem," INFORMS Conference, Hawaii.
- Daskin, M. S., C. R. Coullard, and Z.-J. M. Shen, 2001, "An Inventory-Location Model: Formulation, Solution Algorithm and Computational Results," Optimization Technology Center, Northwestern University, March, 2001.
- Daskin, M. S., C. R. Coullard, and Z.-J. M. Shen, 2001, "An Inventory-Location Model: Formulation, Solution Algorithm and Computational Results," Transportation Center, Northwestern University, March, 2001.
- Snyder, L. and M. S. Daskin, 2000, "The P-Median Problem with Relaxed Coverage Constraints," Regional Science Association Meeting, Chicago.
- Snyder, L. and M. S. Daskin, 2000, "A Random-Key Genetic Algorithm for the Generalized Traveling Salesman Problem," INFORMS, San Antonio.
- Shen, Z.-J., C. R. Coullard, and M. S. Daskin, 2000, "A Joint Location-Inventory Model," INFORMS, San Antonio.
- Snyder, L. and M. S. Daskin, 2000, "The P-Median Problem with Relaxed Coverage Constraints," INFORMS, San Antonio.
- Daskin, M. S., 2000, "A New Integrated Location/Inventory Model," invited seminar, United Airlines, Chicago. (also at Arizona State University).
- Daskin, M. S., S. H. Owen and L. Ozsen, 2000, "Applications of a genetic algorithm for multi-criteria Facility Location," Multi-Criteria Decision Making 2000 Conference, Ankara, Turkey.
- Owen, S. H. and M. S. Daskin, 2000, "Scenario Planning Approaches To Facility Location: Models and Solution Methods," San Antonio INFORMS meeting, May.
- Zuo-Jun Shen, M. S. Daskin and C. Coullard, 1999, "A Joint Location-Inventory Model," Philadelphia INFORMS Meeting, November.
- Daskin, M. S., J. Dvoretz and S. H. Owen, 1999, "A Compatibility-Based Genetic Algorithm for the p-Median Problem," Philadelphia INFORMS Meeting, November.
- Daskin, M. S., 1999, "Publishing and Promotion/Tenure," INFORMS Doctoral Colloquium, Philadelphia, PA.
- Daskin, M. S., "Industry Academia Interactions," Portland Cement Association, Oak Brook, IL, Fall Meeting of the Manufacturing Technical Committee, September, 1999.
- Daskin, M. S. and Owen, S. H., "Partial Covering P -Center and Set Covering Problems: Motivation, Formulation and Solution," ISOLDE VIII Conference, Coimbra, Portugal, June 1999.

- Owen, Susan H. and M. S. Daskin, "Generalized Maximal Covering through Scenario Planning," INFORMS Meeting, Cincinnati, May, 1999.
- Daskin, M. S., Panelist, "Issues in being a department chair," ACORD Panel Discussion, INFORMS Meeting, Cincinnati, May, 1999
- Daskin, M. S., "A New Model for Optimizing Facility Locations in a Scenario-Planning Context," United Airlines, April, 1999.
- Hesse, S. M. and M. S. Daskin, "A Genetic Algorithm for Solving Strategic Scenario-Based Facility Location Problems," INFORMS Meeting, Seattle, WA, October, 1998.
- Melkote, S. and M. S. Daskin, "The Maximum Covering Facility Location-Network Design Problem," INFORMS Meeting, Seattle, WA, October, 1998.
- Coullard, C., R. T. Berger, and M. S. Daskin, "Solving Location and Routing Problems," INFORMS Meeting, Seattle, WA, October, 1998.
- Daskin, M. S., Hesse, S., and C. ReVelle, "A Reliability Approach to Scenario-Based Location Modeling," ORSIS/INFORMS Meeting, Tel Aviv, Israel, June, 1998.
- Daskin, M. S., Hesse, S. and C. ReVelle, "A New Model for Optimizing Facility Locations in a Scenario-Planning Context," General Motors Corporation, June, 1998.
- Daskin, M. S., Hesse, S. and C. ReVelle, "A Reliability Approach to Scenario-Based Location Modeling," The Johns Hopkins University, May, 1998.
- Berger, R., M. S. Daskin and C. Coullard, "Distance-Constrained Location-Routing Problems," INFORMS meeting, Montreal, April, 1998.
- Hesse, S., M. S. Daskin and C. ReVelle, "Strategic Planning for Facility Location," INFORMS meeting, Montreal, April, 1998.

THESIS SUPERVISION AND DEGREE EXAM PARTICIPATION:

Current Doctoral Students —

Kayse Lee Maass Expected Completion Date, June 2017

Ph.D. Dissertations Supervised —

Jonathan Turner (January, 2011)

Title: Overcoming obstacles to resident-patient continuity of care and optimal allocations of operating room experiences

Michael Lim (joint with S. Chopra, May, 2009)

Title: Supply Chain Network Design in the Presence of Disruption Risks

Taylan Ilhan (joint with S. Iravani, September, 2007)

Title: Routing and Resource Allocation with Probabilistic Objectives

Kristin Sahyouni (joint with C. Savaskan, May, 2007)

Title: Product Lifecycle Considerations in Closed-Loop Supply Chain Management

Leyla Ozsen (June, 2004)

Title: Location-Inventory Planning Models: Capacity Issues and Solution Algorithms

Lawrence V. Snyder (June, 2003)

Title: Supply Chain Robustness and Reliability: Models and Algorithms

Zuo-Jun Max Shen (joint with C. Coullard and D. Simchi-Levi, December, 2000)

Title: Efficient Algorithms for Various Supply Chain Problems

Susan H. Owen (December, 1998)

Title: Scenario Planning Approaches to Facility Location: Models and Solution Methods

Rosemary Berger (joint with C. Coullard, July, 1997)

Title: Location-Routing Models for Distribution System Design

Sanjay Melkote (August, 1996)

Title: Integrated Models of Facility Location and Network Design

Michael Watson (February, 1996)

Title: A Standardization Analysis Process Applied to Steel Coils in the Automotive Industry

Geoffrey Craig Murray (October, 1995)

Title: Dynamic Aircraft Reassignment

Ronald S. Tibben-Lembke (joint with Y. Bassok, October, 1995)

Title: Essays in Logistics

Yanwen Wang (May, 1992)

Title: The Stochastic Travelling Salesman Problem with Dynamic Node Choices

Chryssi Malandraki (December, 1988)

Title: Time Dependent Vehicle Routing Problems: Formulations, Solution Algorithms and Computational Experiments

Ali Haghani (December, 1985)

Title: A Combined Model of Train Routing, Makeup, and Empty Car Distribution

Geoffrey Rose (joint with F.S. Koppelman, November, 1985)

Title: An Analysis of Error Propagation in Transportation Network Equilibrium Models

Josief Perl (December, 1982)

Title: A Unified Warehouse Location Routing Analysis

Date: December 1982.

Served on Thesis or Exam Committees for —

16 MS Theses Supervised

26 Ph.D Dissertation Defense Committees

Numerous Ph.D. Qualifying Exams

39 M.S. Thesis Committees