

Erhan Erkut

E-mail: erhan.erkut@mef.edu.tr

Blog: www.erhanerkut.com

Twitter: @ErhanErkut

Education

Ph.D. in Industrial Engineering, 1986 (University of Florida)

B.S. in Industrial Engineering, 1980 (Bogazici University)

Positions

Jan 14 – present, Founding Vice President and Dean, MEF University, Istanbul, Turkey

Jan 08 – Jun 13, Founding President, Ozyegin University, Istanbul, Turkey

July 05 – Dec 07, Dean, Faculty of Business, Bilkent University, Ankara, Turkey

July 93 – June 05, Professor, Department of Finance and Management Science,
Faculty of Business, University of Alberta,

July 99 - June 02 and July 95 - June 98, Alexander Hamilton Professor of Management Science,
Faculty of Business, University of Alberta

July 93 - June 02, Adjunct Professor, Department of Geography, University of Alberta,

July 89 - June 93, Associate Professor, Department of Finance and Management Science,
Faculty of Business, University of Alberta,

July 85 - June 89, Assistant Professor, Department of Finance and Management Science,
Faculty of Business, University of Alberta,

Sep. 80 - June 85, various positions (teaching and research assistant, instructor),
Department of Industrial and Systems Engineering, University of Florida.

Visiting Positions

Mar. 04 – Apr. 04, Visiting Prof., Graduate School of Management, Sabanci Univ.,

Feb. 96 - June 96, Visiting Prof., Department of Industrial Engineering, Bogazici Univ.,

Feb. 94 - June 94, Visiting Prof., Department of Industrial Engineering, Bogazici Univ.,

Nov. 92 - Dec. 92, Visiting Prof., Nat'l. Inst. of Development Admin., Bangkok,

Feb. 92 - July 92, Visiting Assoc. Prof., Department of Industrial Engineering, Bogazici Univ.,

Oct. 91 - Dec. 91, Visiting Assoc. Prof., Dept. of Management Science, The Ohio State Univ.,

June 91 - July 91, Visiting Prof., Earth Sciences Department, University of Geneva.

Teaching Experience

Undergraduate/MBA:

Introduction to Business

Introduction to Operations Management,

Distribution Management

Heuristic Optimization

Management Consulting I and II

Ph.D.:

Mathematical Programming

Applications of Operations Research.

Median overall rating for teaching is 5 out of 5.

Publications

Papers in Refereed Journals

- Bozkaya, B., E. Erkut, D. Haight, and G. Laporte (2011), "Designing New Electoral Districts for the City of Edmonton," *Interfaces*, Vol. 41, No. 6, pp. 534-547.
- Gzara, F. and E. Erkut (2011), "Telecommunications Network Design with Multiple Technologies," *Telecommunication Systems*, Vol. 46, No. 2, pp. 149-161.
- Erdogan, G., E. Erkut, A. Ingolfsson, and G. Laporte (2010), "Scheduling Ambulance Crews for Maximum Coverage," *Journal of the Operational Research Society*, Vol. 61, No. 4, pp. 543-550.
- Gzara, F. and E. Erkut (2009), "A Lagrangian Relaxation Approach to Large-scale Flow Interception Problems," *European Journal of Operational Research*, Vol. 198, No. 2, pp. 404-411.
- Erkut, E., A. Ingolfsson, T. Sim, and E. Gunes (2009), "Computational Comparison of Five Maximal Covering Models for Locating Ambulances," *Geographical Analysis*, Vol. 41, No. 1, pp. 43-65.
- Budge, S., A. Ingolfsson, and E. Erkut (2009), "Approximating Vehicle Dispatch Probabilities for Emergency Service Systems with Location-Specific Service Times and Multiple Units per Location," *Operations Research*, Vol. 57, No. 1, pp. 251-255.
- Bektas, T., J-F. Cordeau, E. Erkut, and G. Laporte (2008), "Exact Algorithms for the Joint Object Placement and Request Routing Problem in Content Distribution Networks," *Computers & Operations Research*, Vol. 35, No. 12, pp. 3860-3884.
- Bektas, T., J-F. Cordeau, E. Erkut, and G. Laporte (2008), "A two-level simulated annealing algorithm for efficient dissemination of electronic content," *Journal of the Operational Research Society*, Vol. 59, No. 11, pp. 1557-1567.
- Cabral, E.A., E. Erkut, G. Laporte and R. Patterson (2008), "Wide-Area Telecommunication Network Design: Application to the Alberta Supernet," *Journal of the Operational Research Society*, Vol. 59, No. 11, pp. 1460-1470.
- Ingolfsson, A., S. Budge, and E. Erkut (2008), "Optimal Ambulance Location with Random Delays and Travel Times," *Health Care Management Science*, Vol.11, No. 3, pp. 262-274
- Erkut, E. and F. Gzara (2008), "Solving the Hazmat Transport Network Design Problem," *Computers & Operations Research*, Vol. 35, No. 7, pp. 2234-2247.
- Erkut, E., A. Karagiannidis, G. Perkoulidis, S. Tjandra (2008), "A Multicriteria Facility Location Model for Municipal Solid Waste Management in North Greece," *European Journal of Operational Research*, Vol. 187, No. 3, pp. 1402-1421.
- Erkut, E., A. Ingolfsson, and E. Gunes (2008), "Ambulance Location for Maximum Survival," *Naval Research Logistics*, Vol. 55, No. 1, pp. 42-58.
- Glickman, T., E. Erkut, and M. Zschocke (2007), "The Cost and Risk Impacts of Rerouting Railroad Shipments of Hazardous Materials," *Accident Analysis and Prevention*, Vol. 39, No. 5, pp. 1015-1025.
- Glickman, T. and E. Erkut (2007), "Assessment of Hazardous Material Risks for Rail Yard Safety," *Safety Science*, Vol. 45, No. 7, pp. 813-822.
- Cabral, E.A., E. Erkut, G. Laporte and R. Patterson (2007), "The Network Design Problem with Relays," *European Journal of Operational Research*, Vol. 180, No. 2, pp. 834-844.
- Erkut, E. and O. Alp (2007), "Designing a Road Network for Dangerous Goods Shipments," *Computers & Operations Research*, Vol. 34, No. 5, pp. 1389-1405.
- Erkut, E. and O. Alp (2007), "Integrated Routing and Scheduling of Hazmat Trucks with Stops En-Route," *Transportation Science*, Vol. 41, No. 1, pp. 107-122.

- Sim, T., J. Cherdarchuk, E. Erkut, S. Lalani, and K. Mik (2006), "Cost-Effective and Reliable Grinding Schedules for Inland Cement," *Information Systems and Operational Research (INFOR)*, Vol. 44, No. 1, pp. 65-77.
- Erkut, E. and A. Ingolfsson (2005), "Transport Risk Models for Hazardous Materials: Revisited," *Operations Research Letters*, Vol. 33, No. 1, pp. 81-89.
- Gordon, L. and E. Erkut (2004), "Improving Volunteer Scheduling for the Edmonton Folk Festival," *Interfaces*, Vol. 34, No. 5, pp. 367-376.
- Ingolfsson, A., E. Erkut and S. Budge (2003), "Simulation of Single Start Station for Edmonton EMS," *Journal of the Operational Research Society*, Vol. 54, No. 7, pp. 736-746.
- Kara, B., E. Erkut, V. Verter (2003), "Accurate Calculation of Hazardous Materials Transport Risks," *Operations Research Letters*, Vol. 31, No. 4, pp. 285-292.
- Alp, O, Z. Drezner, and E. Erkut (2003), "An Efficient Genetic Algorithm for the p-Median Problem," *Annals of Operations Research*, Vol. 122, 21-42
- Erkut, E. (2003), "Small World and Beyond: A Rejoinder" *Canadian Journal of Administrative Sciences*, Vol. 19, No. 4, pp. 385-392.
- Bozkaya, B., E. Erkut, G. Laporte (2003), "A Tabu Search Heuristic and Adaptive Memory Procedure for Political Districting," *European Journal of Operational Research*, Vol. 144, No. 1, pp. 12 – 26.
- Erkut, E. (2002), "Measuring Canadian Business School Research Output and Impact," *Canadian Journal of Administrative Sciences*, Vol. 19, No. 2, pp. 97-123.
- Erkut, E., R. Fenske, S. Kabanuk, Q. Gardiner, and J. Davis (2001), "Improving the Emergency Service Delivery in St. Albert," *INFOR*, Vol. 30, No. 4, pp. 416-433.
- Erkut, E. and A. Ingolfsson (2000), "Let's See the Squares in Least-Squares," *INFORMS Transactions on Education*, Vol. 1, No. 1, <http://ite.informs.org/Vol1no1/erkut/ErkutIngolfsson.html>
- Erkut, E. and A. Ingolfsson (2000), "Catastrophe Avoidance Models for Hazardous Materials Route Planning," *Transportation Science*, Vol. 34, No. 2, pp. 165-179.
- Akgun, V., E. Erkut, and R. Batta (2000), "On Finding Dissimilar Paths," *European Journal of Operational Research*, Vol. 121, No. 2, pp. 232-246.
- Erkut, E., T. Myroon, and K. Strangway (2000), "TransAlta Redesigns Its Service Delivery Network," *Interfaces*, Vol. 30, No. 2, pp. 54-69.
- Zhang, J., E. Erkut, and J. Hodgson (2000), "Using GIS to Assess the Risks of Hazardous Materials Transport on Networks," *European Journal of Operational Research*, Vol. 121, No. 2, pp. 316-329.
- Erkut, E. and B. Bozkaya (1999), "Analysis of Aggregation Errors for the p-Median Problem," *Computers & Operations Research*, Vol. 26, No. 10-11, pp. 1075-1096.
- Erkut, E. and V. Verter (1998), "Modeling of Transport Risk for Hazardous Materials," *Operations Research*, Vol. 46, No. 5, pp. 625-642.
- Erkut, E. and T. Glickman (1997), "Minmax Population Exposure in Routing Highway Shipments of Hazardous Materials," *Transportation Research Record*, No. 1602, pp. 93-100.
- Verter, V. and E. Erkut (1997), "Hazardous Materials Routing under Insurance Costs," *Transportation Science*, Vol. 31, No. 3, pp. 227-236.
- Erkut, E., C. ReVelle, Y. Ulkusal (1996), "Integer-Friendly Formulations for the r-Separation Problem," *European Journal of Operational Research*, Vol. 92, pp. 342-351.
- Erkut, E. and J. Zhang (1996), "On the Maximum Collection Problem with Time-Dependent Rewards," *Naval Research Logistics*, Vol. 43, No. 5, pp. 749-763.

- Erkut, E. and U. Ozen (1996), "Aggregate Distribution Planning for Durable Household Products: A Case Study," *Journal of Business Logistics*, Vol. 17, No. 2, pp. 217-234.
- Erkut, E. and V. Verter (1995), "A Framework for Hazardous Materials Transport Risk Assessment," *Risk Analysis*, Vol. 15, No. 5, pp. 589-601.
- Erkut, E. (1995), "On the Credibility of the Conditional Risk Model for Routing Hazardous Materials," *Operations Research Letters*, Vol. 18, pp. 49-52.
- Drezner, Z. and E. Erkut (1995), "On the Continuous p-Dispersion Problem," *Journal of Operational Research Society*, Vol. 46, No. 5, pp. 516-520.
- Erkut, E., Y. Ulkusal and O. Yenicerioglu (1994), "A Comparison of p-Dispersion Heuristics," *Computers & Operations Research*, Vol. 21, No. 10, pp. 1103-1113.
- Erkut, E. (1993), "Inequality Measures for Location Problems," *Location Science*, Vol. 1, No. 3, pp. 199-217.
- Erkut, E. and S. Neuman (1992), "A Multiobjective Model for Locating Undesirable Facilities," *Annals of Operations Research*, Vol. 40, pp. 209-227.
- Erkut, E. and B. C. Tansel (1992), "On Parametric Medians of Trees," *Transportation Science*, Vol. 26, No. 2, pp. 149-156.
- Erkut, E. and D. MacLean (1992), "Alberta's Energy Efficiency Branch Conducts Transportation Audits," *Interfaces*, Vol. 22, No. 3, pp. 15-21.
- Erkut, E., R. L. Francis and A. Tamir (1992), "Distance Constrained Multifacility Minimax Location Problems on Tree Networks," *Networks*, Vol. 22, pp. 37-54.
- Erkut, E. and S. R. Moran (1991), "Locating Obnoxious Facilities in the Public Sector: An Application of the Analytic Hierarchy Process to Municipal Landfill Siting Decisions," *Socio-Economic Planning Sciences*, Vol. 25, No. 2, pp. 89-102.
- Erkut, E. and M. Tarimcilar (1991), "On Sensitivity Analysis in the Analytic Hierarchy Process," *IMA Journal of Mathematics Applied in Business and Industry*, Vol. 3, No. 1, pp. 61-83.
- Erkut, E. and S. Neuman (1991), "Comparison of Four Models for Dispersing Facilities," *Information Systems and Operational Research (INFOR)*, Vol. 29, No. 2, pp. 68-86.
- Erkut, E. and T. S. Oncu (1991), "A Parametric 1-Maximin Location Problem," *Journal of Operational Research Society*, Vol. 42, No. 1, pp. 49-55.
- Erkut, E. (1990), "The Discrete p-Dispersion Problem," *European Journal of Operational Research*, Vol. 46, No. 1, pp. 48-60.
- Erkut, E., T. Baptie and B. v. Hohenbalken (1989), "The Discrete p-Maxian Location Problem," *Computers & Operations Research*, Vol. 17, No. 1, pp. 51-61.
- Erkut, E. and S. Neuman (1989), "Analytical Models for Locating Undesirable Facilities," *European Journal of Operational Research*, Vol. 40, No. 3, pp. 275-291 (Invited Review).
- Erkut, E., R. L. Francis, T. J. Lowe and A. Tamir (1989), "Equivalent Mathematical Programming Formulations of Monotonic Tree Network Location Problems," *Operations Research*, Vol. 37, No. 3, pp. 447-461.
- Erkut, E., R. L. Francis and T. J. Lowe (1988), "A Multimedian Problem with Interdistance Constraints," *Environment and Planning B: Planning and Design*, Vol. 15, pp. 181-190.
- Erkut, E., R. L. Francis and T. J. Lowe (1988), "Locating Two Facilities on a Tree Network Subject to Distance Constraints," *Transportation Science*, Vol. 22, No. 3, pp. 199-208.
- Erkut, E. (1987), "Note: More on Morrison and Wheat's "Pulling the Goalie Revisited", " *Interfaces*, Vol. 17, No. 5, pp. 121-123.

1433 citations, h-index of 20 (as of Oct 2013, from Web of Science)

Book Chapters

- Erkut, E., S. Tjandra, and V. Verter (2005), "Hazardous Materials Transportation," invited chapter for *Transportation*, edited by G. Laporte and C. Barnhart, Handbooks in Operations Research and Management Science, Elsevier Science.
- Bozkaya, B., J. Zhang, and E. Erkut (2001), "An Efficient Genetic Algorithm for the p -Median Problem," in *Location Theory*, a Springer-Verlag book, edited by H. Hamacher and Z. Drezner.
- Verter, V. and E. Erkut (1996), "Hazardous Materials Logistics: An Annotated Bibliography," in *Operations Research and Environmental Management*, a Kluwer book, edited by A. Haurie and C. Carraro.
- Erkut, E. and V. Verter (1995), "Hazardous Materials Logistics," in *Facility Location: A Survey of Applications and Methods*, a Springer-Verlag book edited by Z. Drezner.

Other publications

- Gordon, L. and E. Erkut (2005), "The 'Sound' Science of Scheduling," *OR/MS Today*, Vol. 32, No. 2.
- Erkut, E. (2004) "Northern Exposure," *OR/MS Today*, Vol. 31, No. 1, pp. 47-49
- Erkut, E. (2005), "Yield Management at Banff: Two Contrasting Examples," *CORS/SCRO Bulletin*, Vol. 39, No. 1, pp. 24 - 27.
- Erkut, E. (2003), "Education Journal Takes Off," *OR/MS Today*, Vol. 30, No. 4.
- Erkut, E. and A. Ingolfsson (2002), "Managing the Student Supply Chain," *OR/MS Today*, Vol. 29, No. 4, pp. 36-41.
- Erkut, E. and A. Ingolfsson (2001), "On-Line Exams Put to the Test," *OR/MS Today*, Vol. 28, No. 4, pp. 26-29.
- Erkut, E. (2001) "Comparing Research Output and Impact of Canadian Business Schools in OR Journals," *CORS-SCRO Bulletin*, Vol. 35, No. 4, pp. 9-15.
- Erkut, E. (2000), "New E-Journal Targets Teaching," *OR/MS Today*, Vol. 27, No. 6., pg. 12.
- Erkut, E. (1999), "Experiences with On-Line Exams," *HyperDispatch*, March-April 1999 (newsletter of Computing and Network Services of the University of Alberta)
- Erkut, E. (1998), "How to 'Excel' in Teaching Management Science," *OR/MS Today*, Vol. 25, No. 5 (October 1998), pp. 40-43.
- Erkut, E. (1998), "Help Wanted: Modelers and Problems Solvers (OR in 2048)," *OR/MS Today*, Vol. 25, No. 2 (April 1998), p. 31.
- Erkut, E. (1996), "The Road Not Taken: Decision support systems provide sound directions for transportation of hazardous materials," *OR/MS Today*, Vol. 23, No. 6 (December 1996), pp. 22-28.
- Erkut, E. (1996), "Become an INFORMED member", *OR/MS Today*, Vol. 23, No. 4 (August 1996), p.12.
- Erkut, E. (1996), "Safely Getting from A to B," *The Edge*, Spring 1996, pp. 8-11.
- Glickman, T. and E. Erkut (1996), "What Price Safety? The Tradeoffs Associated with Responsible Routing of Tank Cars," *INFORMS Rail Applications Newsletter*, Spring 1996, Vol. 3, No. 1, pp. 4-7.
- Erkut, E. (1994), "Big Mac Attack: Revisited," *OR/MS Today*, June 1994, pp. 50-52.
- Erkut, E. (1990), "*Facility Location Analysis; Theory and Applications*," book review in *European Journal of Operational Research*, Vol. 45, No. 1, pp. 116-117.

Doctoral Dissertation

- Erkut, E. (1986), "Distance-Constrained Multi-Facility Tree Network Location Problems with Extensions to Planar Problems," Department of Industrial and Systems Engineering, University of Florida.

Presentations (*partial list*)

Research Presentations (*2001 – 2004 only*)

- Haight, D. and E. Erkut, "GIS Applications in Emergency Medical Services," presentation at GIS Day (U of Alberta, Nov. 2004)
- Erkut, E., "Building a Decision-Support System for Emergency Medical Services," Eric Geddes Lecture, Edmonton (Jan. 2004)
- Erkut, E. and T. Grossman, "Research on Spreadsheets: Opportunity Knocks...Who Shall Answer?," presented at 9th INFORMS Computing Society Conference (Annapolis, Maryland, Jan. 2004)
- Erkut, E., A. Ingolfsson, T. Sim, "A Comparison of Four Covering Models for Ambulance Location," presented at INFORMS Annual Meeting (Denver, Oct. 2004)
- Erkut, E., "Measuring Canadian Business Schools Research Output and Impact," Faculty seminar, Faculty of Management, McGill University (Montreal, Sept. 2004)
- Erkut, E. "Modeling Demand and Capacity," presentation at the "Waiting for This, Waiting for That" - Solutions to Waits in Healthcare workshop, organized by Calgary Health Region (Calgary, August 2004)
- Erkut, E., S.A. Tjandra, A. Karagiannidis, G. Perkoulidis, and S. Pardali, "Optimization of Regional Management of Municipal Solid Wastes: A Modelling Approach with Application," presented at EURO XX (Rhodes, July 2004)
- Erkut, E. and A. Ingolfsson, "Towards Improved Optimization Models for Locating Ambulances," Industrial Engineering seminar, Bilkent University, Ankara, Turkey, March 2004, Manufacturing and Systems Engineering department seminar, Sabanci University, Istanbul, April 2004, Industrial Engineering department seminar, Bogazici University, Istanbul, April 2004, Industrial Engineering department seminar, Middle East Technical University, Ankara, June 2004.
- Ingolfsson, A, E. Erkut, and S. Budge, "Ambulance Location," presented at the Symposium in Location Analysis (Edmonton, May 2004)
- Cabral, E. and E. Erkut, "GIS and the Alberta SuperNet Telecommunication Network Design," presented at CORS/INFORMS Joint International Meeting (Banff, May 2004)
- Oh, S., D. Bowker, E. Erkut, D. Haight, S. Knibbs, and J. Poplawski, "Implementing Access Standards at Alberta Health and Wellness," presented at CORS/INFORMS Joint International Meeting (Banff, May 2004)
- Budge, S., E. Erkut, and A. Ingolfsson, "Approximating Station Specific Vehicle Utilization for Emergency Service Systems," presented at CORS/INFORMS Joint International Meeting (Banff, May 2004)
- Erkut, E. and S.A. Tjandra, "Real-Time Routing and Scheduling of Hazmat Trucks," presented at CORS/INFORMS Joint International Meeting (Banff, May 2004)
- Gzara, F. and E. Erkut, "A Bilevel Programming Application to Hazardous Material Transportation Network Design," presented at MOPGP 04 (Hammamet, Tunisia, April 2004)
- Erkut, E. and A. Ingolfsson, "Transport Risk Models for Hazardous Materials: Revisited," seminar at Centre for Transportation Research (Montreal, February 2004)
- Ingolfsson, A. and E. Erkut, "Descriptive and Prescriptive Models of Ambulance Service Operations," departmental seminar at McGill University (February 2004)
- Haight, D. and E. Erkut, "Combining GIS and Optimization for Decision Support," presentation during GIS Day (U of Alberta, Nov. 2003)
- Oh, S., E. Erkut, D. Haight, A. Ingolfsson, "Managing Line-Ups for Alberta's MRIs: An Operations View," presented at INFORMS 2003 (Atlanta, October 2003)

- Erkut, E. and O. Alp, "Sparse Network Design for Hazmat Transport," presented at INFORMS 2003 (Atlanta, October 2003)
- Budge, S., A. Ingolfsson, and E. Erkut, "Approximating Station Specific Vehicle Utilization for Emergency Service Systems," presented at INFORMS 2003 (Atlanta, October 2003)
- Erkut, E. and O. Alp, "Integrated Routing and Scheduling of Hazmat Trucks with Stops En-Route," presented at EURO/INFORMS International (Istanbul, July 2003)
- Glickman, T.S. and E. Erkut, "Hazardous Materials Risk Assessment in a Rail Yard," presented at EURO/INFORMS International (Istanbul, July 2003)
- Erkut, E. and A. Ingolfsson, "Transport Risk Models for Hazardous Materials: Revisited," presented at EURO/INFORMS International (Istanbul, July 2003)
- Erkut, E., L. Ethier and D. Haight, "Fire Station Location in St. Albert: Time-Based Optimization for 2002 - 2015," presented at CORS 2003 (Vancouver, June 2003)
- Cabral, E. and E. Erkut, "Wide Area Internet Network Design," presented at CORS 2003 (Vancouver, June 2003)
- Erkut, E., D. Haight, A. Ingolfsson, and S. Oh, "Managing line-ups for Alberta's MRI's: An overview of the issues facing Edmonton and Calgary's Health Regions," presented at CORS 2003 (Vancouver, June 2003)
- Budge, S., A. Ingolfsson, and E. Erkut, "Locating Ambulance Stations using Simulation and Optimization," Koc University seminar (Istanbul, Apr. 2003)
- Erkut, E., "Combining inventory and transportation costs for locating distribution centers," departmental working seminar (Edmonton, Feb. 2003).
- Alp, O., Z. Drezner, and E. Erkut, "An Efficient Genetic Algorithm for the p-Median Problem," INFORMS 2002 (San Jose, Nov. 2002).
- Erkut, E., "Facility Location Applications," invited presentation at the IMA-CRT-CRM workshop on Distribution Planning: Vehicle Routing and Location (HEC, Montreal, Dec. 2002).
- Erkut, E. "Strategic Planning for Emergency Services in St. Albert," departmental seminar (Oct. 2002).
- Erkut, E. and O. Alp, "Integrated Scheduling and Routing Decisions for Hazardous Materials Shipments with Stops," departmental seminar (Feb. 2002).
- Erkut, E., "Designing Wide-Area Internet Networks," ARCO (Alberta Research Conference on Operations), (Edmonton, Apr. 2002).
- Erkut, E., "A Whirlwind Tour of Hazmat Transport Research," invited presentation at a Hazardous Materials Transportation workshop, organized jointly by the Italian National Research Council and the Department of Statistics, Probability and Applied Statistics of the University of Rome "La Sapienza" (Rome, May 2002).
- Erkut, E., "Measuring Canadian Business Schools' Research Output and Impact," tutorial at CORS National conference (Toronto, Jun. 2002).
- Erkut, E., "Integrated Routing and Scheduling of HazMat Trucks," CORS National conference (Toronto, Jun. 2002).
- Erkut, E. and S. Budge, "Simulation of Single Start Station for Edmonton EMS," Practice Prize competition final, CORS National conference (Toronto, Jun. 2002)--*third place*.
- Erkut, E., S. Kabanuk, and Q. Gardiner, "Optimizing Fire Station Locations in St. Albert, Alberta," GIS 2001, the 15th Annual GIS Conference (Vancouver, Feb. 2001)
- Erkut, E., R. Fenske, S. Kabanuk, Q. Gardiner, and J. Davis, "Improving the Emergency Service Delivery in St. Albert," Practice Prize competition final, CORS National conference (Quebec City, May 2001)--*second place*.
- Erkut, E. "A Citation-based Comparison of Research Impact by Canadian Business Schools for 1990-1999," faculty seminar and ASAC Conference (London, ON, May 2001).

Teaching and Service Presentations (2002 – 2005 only)

- Haight, D. and E. Erkut, "Group Work and Peer Evaluations," seminar, University Teaching Services, (May 2005)
- Erkut, E. and D. Haight, "Improving Operations through Industry-University Collaboration," dinner presentation, Financial Executives International, Edmonton chapter (Feb. 2005)
- Erkut, E., "Teaching Activities," presentation at "Teaching Business," the first Faculty Teaching Workshop, School of Business (Dec. 2004)
- Erkut, E. "Using Mathematics and Computers for Decision Making," workshop for the Discovery Group (Grades 5 - 9) of Edmonton Association for Bright Children, (Nov. 2004)
- Erkut, E., "Incorporating Research and Collaboration in a Large Introductory Course," Faculty Brown Bag Lunch Session, University Teaching Services, U. of Alberta (Oct. 2004)
- Erkut, E., "Peer Evaluations: Lessons Learned from Past Failures," School of Business seminar (Sept. 2004)
- Erkut, E., "Using Technology to Facilitate Learning," invited luncheon talk, 9th INFORMS Computing Society Conference, Annapolis, Maryland (Jan. 2004), attended by 160; Seminar, School of Management, University of Texas at Dallas (May 2004), attended by 60; Joint session of the INFORMS Doctoral Colloquium and Teaching Effectiveness Colloquium (San Jose, Nov. 2002), Seminar, Koc University (Istanbul, April 2003); Seminar at HEC (Montreal, Jan. 2000); Invited plenary, Atlantic Schools of Business Conference (Halifax, NS, Oct. 1999).
- Erkut, E., "Increasing the Effectiveness of OR/MS Teaching in a Business School," Faculty seminar, Graduate School of Management, Sabanci University (Istanbul, Mar. 2004); Tutorial, CORS/INFORMS International Conference (Banff, May 2004); Departmental seminar, Industrial Engineering., Middle East Technical Univ. (Ankara, June 2004); Plenary, IFORS Teachers' Workshop (Manila, Philippines, July 2004); Tutorial at CORS National Conference (Toronto, Jun. 2002); Seminar, Industrial Engineering department, Bilkent University (Ankara, May 2002); Invited semi-plenary presentation, German Operational Research Conference (Duisburg, Sep. 2001); Teaching of Management Science, Summer Workshop (Indiana University, Jun. 2000); INFORMS' Teaching Effectiveness Colloquium (Salt Lake City, May 2000).
- Erkut, E., "Teaching Outside the Four Walls of the University: Project Courses," Faculty seminar, Graduate School of Management, Sabanci University (Istanbul, Mar. 2004); Plenary, IFORS Teachers' Workshop (Manila, Philippines, July 2004); Semi-plenary, INFORMS First Annual Teaching of Management Science Workshop (Marlborough, MA, July 04); Plenary, Innovations in Teaching Decision Support Systems Development Workshop (Jacksonville, FL, Aug. 04); CORS National Conference (Toronto, Jun. 2002).
- Erkut, E., "Teaching OR/MS Courses Using Spreadsheets: Business Education 'Excel'lence,'" Plenary, IFORS Teachers' Workshop (Manila, Philippines, July 2004); Workshop, German Operational Research Conference (Duisburg, Sep. 2001); Seminar at HEC (Montreal, Jan. 2000); Atlantic Schools of Business Conference (Halifax, NS, Oct. 1999).
- Erkut, E., "From Stanines to Letters," Faculty of Business seminar (Edmonton, Nov. 2003)
- Erkut, E., "Professor's Address," Transitions 2003, International Student Orientation, U. of Alberta (August 2003).
- Erkut, E., "Setting Standards for MRI Queues in Alberta," presented to Capital Health Authority (March 2003).
- Erkut, E., "Fire Station Location in St. Albert: 2002 – 2015," presented to the Senior Leadership Team of St. Albert (Jan. 2003), and to the City Council (Apr. 2003).
- Erkut, E., "How to Get Poor Student Ratings," University Teaching Services session (Edmonton, Sep. 2002), and Chemical and Metallurgical Engineering Department retreat (Nov. 2003); Business Research Conference (Edmonton, Feb. 2002).
- Erkut, E., "Teaching Large Classes in Smart Classrooms," Bilkent University seminar (Ankara, May 2002); University Teaching Services session (Edmonton, Mar. 2002).

Research Support

External support (*Principle Investigator*)

Project title	Duration	Total
Regional Telecom Network Design (Bell West)	2003-2005	\$180,000
Optimizing Access to Selected Health Services (AHW)	2004-2006	\$220,000
Modeling Alternative Deployment and Operational Schemes (Calgary EMS)	2004	\$70,000

Natural Sciences and Engineering Research Council Grants

Regional Telecom Network Design (CRD)	2003-2005	\$175,000
Hazardous Materials Transport	2002-2006 (5 yrs.)	\$160,000
Hazardous Waste Transportation Planning	1998-2001 (4 yrs.)	\$123,255
A DSS for Hazardous Waste Logistics (collaborative)	1996-1998 (3 yrs.)	\$323,100
Hazardous Waste Logistics	1994-1997 (4 yrs.)	\$100,000
Models for Locating Undesirable Facilities	1991-1993 (3 yrs.)	\$72,000
Equipment Grant	1990	\$9,675
Location Problems with Maximization Objectives	1988-1990 (3 yrs.)	\$54,000

Internal support (faculty and university funds)

Source	Duration	Total
Francis Winspear Fellowship	2003-2006 (3 yrs.)	\$36,000
Alexander Hamilton Fellowship	1999-2002 (3 yrs.)	\$36,000
Alexander Hamilton Fellowship	1995-1998 (3 yrs.)	\$36,000
McCalla Professorship	1994	one-year teaching release
Canadian Utilities Fellowship	1992	\$12,000
Nova Fellowship	1990	\$12,000
Southam Fellowship	1988	\$7,000
Central Research Fund	1987, 1989, 1992	\$9,200
Muir Fund	1987, 1988, 1990	\$9,150

Graduate Supervision

Post-Doctoral Fellows: Fatma Gzara (2003 – 2005, Assoc. Prof. at Waterloo), Stevanus Tjandra (2003 – 2005, analyst at Edmonton Police Dept.), Osman Alp (2000-2003, Assoc. Professor at University of Calgary), Gulcan Yesilkoccen (1997-1998, analyst at Aspen Technologies), Vedat Verter (1993-1995, Professor at McGill).

Ph.D. Student Supervision/Joint Supervision: Edgar Cabral (PhD in Management Science, 2005), Vedat Akgun (PhD in Industrial Engg, SUNY Buffalo, 2001), Burcin Bozkaya (PhD in Management Science, 1998), Jianjun Zhang (PhD in Earth and Atmospheric Sciences, 1998).

M.Sc./MBA Student Supervision: Lynn Gordon (MBA, 2003), Fiaz Aziz (M.Sc., Engineering Management, 2001), Mico Kurilic (M.Sc., Engineering Management, 1999), Umit Ozen (M.Sc., Industrial Engineering, Bogazici Univ., 1992), Thomas Baptie (MBA, 1990), Stephen R. Moran (MBA, 1989), Thomas Baptie (M.Sc. thesis, Mathematics, 1988), Edwin Lam (MBA, 1987), Peter Ott (MBA, 1987).

Supervisory/Examining Committee Membership: , Yong Li (PhD, Mgmt. Sci., 2005), Vladimir Iassenovski (MSc, Earth and Atmospheric Sci., 2004), Susan Budge (PhD, Mgmt. Sci., 2004), Turker Tanerguclu (MSc, Turkish Military Academy, Defence Sciences Inst, 2004), Ghada Mahmoud Hamouda, (PhD, Civil Engg., U. of Waterloo, 2004), Magdalena Jankowska (MSc, Comp. Sci, 2003), Felix Shmulevitz (MSc Geography, 1995), Chris Harrison (MBA/MEng, 1995), Christina Budanek (MSc, Civil Engg., 1995), Leontien Storrier (MSc, Geography, 1993), Joseph Oppong (PhD, Geography, 1992), Mike Micko (MSc, Mechanical Engg., 1989), K.N. Gopalakrishnan (MSc, Mechanical Engg., 1988), Kok Lung Wong (MSc, Computer Sci., 1988).

Service

External Activities

CORS (Canadian Operational Research Society):

President, Edmonton Section (1995-2005)
Chair, Education Committee (1997-2003)
Chair, Program Committee (2003-2005)
Chair, Student Paper Competition (2002 and 2003)
National Coordinator, CORS Diploma Program (1997-2003)
Member, Merit Award Selection Committee (2004-2006)
Member, Committee on *INFOR*'s Future (1999-2000)
Member, Executive Council (1995-2005), Councilor (1995-1997)

INFORMS (Institute for Operations Research and the Management Sciences):

Chair, Lifetime Achievement in Location Analysis Award Selection Committee (2005-2007)
Chair, INFORMS Education Committee (1997-2000)
Founding President, INFORM-ED (INFORMS Forum on Education) (1995-1998)
President, SOLA (INFORMS Section on Locational Analysis) (1995-1998)
Vice President, COLA (College on Location Analysis), TIMS College (1990-1995)

Conference Organization:

Conference Chair, 2004 CORS/INFORMS International Conference (Banff)
Conference Chair, CORS National Conference (Edmonton, May 2000)
Conference Chair, ISOLDE VII (Edmonton and Jasper, 1996)
Conference Chair, Student Conference on Operations (1997, 1998, 1999, 2001, 2002)
Special Sessions Chair, 2003 EURO/INFORMS International Conference (Istanbul)
Cluster Chair, Education, IFORS Triennial 2005 Conference, Hawaii, July 2005
Cluster chair, Education, CORS (Ottawa, 1997), INFORMS (Washington, DC, 1996)
Cluster chair, Location/routing, TIMS '94 meeting
Cluster co-chair, Location analysis, Spring 1990 TIMS/ORSA meeting
Member, Organizing Committee, INFORMS First Annual Teaching of Management Science Workshop (July 04, Marlborough, MA)
Member, Organizing Committee, Innovations in Teaching Decision Support Systems Development Workshop (Jacksonville, FL, Aug. 04)
Member, Organizing Committee, ISOLDE VIII (Portugal, 1999)
Member, Program committee, YA/EM '93 conference (Turkish OR/IE)

Editorial:

Founding Editor-in-Chief, *INFORMS Transactions on Education* (1999-2005)
Associate Editor, *Naval Research Logistics* (1996-2005)
Associate Editor, *Computers & Operations Research* (2003-2005)
Associate Editor, *Location Science* (1995-2000)
Guest Editor, *Computers & Operations Research*, hazardous materials logistics issue (2005)
Guest Editor, *INFOR*, student paper special issue (2003)
Guest Editor, *Location Science*, ISOLDE VII special issue (1999)
Guest Editor, *Transportation Science*, focused issue on hazardous materials transport (1996)
Guest Editor, *INFOR*, special issue on hazardous materials logistics (1993)
Editor of *LOCATOR*, the newsletter of SOLA (a TIMS College) (1990-1996)
Refereed papers for
American Journal of Mathematics and Management Sciences, Annals of Operations Research, Computational Optimization & Applications, Computers & Operations Research, Discrete Applied Mathematics, Energy Studies Review, Environment and Planning A, Environmental Modeling and Assessment, European Journal of Operational Research, Geographical Analysis, Health Care Management Science, IEE Transactions, IEEE Transactions on Engineering

Management, IIE Transactions on Scheduling and Logistics, IMA Journal of Mathematics Applied in Business and Industry, INFOR, Interfaces, International Transactions in Operations Research, Location Science, Management Science, Naval Research Logistics, Networks, OMEGA, Operations Research, Optimization Methods and Software, Studies in Locational Analysis, Transportation Science.

Reviewed 13 NSERC grant applications, 9 tenure/promotion cases for various universities, and a MITACS national center for excellence.

Consulting Activities

- studied the demand and supply for MRI in Edmonton (2003)
- political redistricting of the city of Edmonton for council elections (2002)
- conducted a simulation study to assess a single start station for Edmonton ambulance service (2001)
- assisted Stel-Mar/Inland with a cement plant relocation study (2000)
- conducted fire station location and crew sizing projects for St. Albert Fire department (2000 and 2002)
- managed algorithm design for grinding mill scheduling for Inland Cement (1999)
- assisted TransAlta in redesigning service network (1997), reducing overtime costs (1998), and staffing (1998)
- supervised demand forecasting for cellular telephones for Telus (1996),
- advised EdTel on the fleet size for provincial equipment maintenance service (1995),
- devised a distribution system for durable (ARCELIK) household goods for ATILIM (Istanbul, Turkey) (1992),
- designed vehicle routing software for Alberta Energy Conservation/Efficiency Branch (1986).

Internal Activities

School of Business

Member, Executive Committee (2004)
Founding Director, Centre for Excellence in Operations (2000-2005)
Faculty Advisor, Operations Management Student Club (1998-2004)
Member, Operations Management Advisory Council (1998-2001)
Faculty Advisor, Inter-Collegiate Business Competition Team (2001-2004)
Chair, High School Problem Solving Competition (2000-2003)
Member, Management Information Systems Recruiting Committee (2001-2002)
Member, Technology Committee (2000-2002)
Faculty Coordinator, University Teaching Program (1998-2002)
Member, Management Science Recruiting Committee (1989-1990, 1995-2001)
Member, Faculty Evaluation Committee (2000-2001)
Member, PhD Policy Committee (1995-2001)
Member, Winspear Senior Fellowship Selection Committee (1999-2000)
Chair, MacKenzie Teaching Award Committee (1997-1998)
Chair, Winspear Senior Fellowship Selection Committee (1997)
Member, Faculty Cooperative Education Committee, U.A. (1992-1997)
Member, Faculty Human Resources Management Committee (1991-1992)
Member, Labatt's Teaching Award Committee (1991-1992)
Coordinator, Introduction to Management Science course (1989-1995)
Member, Faculty Undergraduate Studies Policy Committee (1989-1991)
Member, Ethics Committee (1988-1990)

University of Alberta

Member, Working Group on Teaching and Research (2004)
Member, Vargo Teaching Chair Selection Committee (2004)
Member, Environmental Research and Studies Centre Advisory Board (1991-2002)
Member, Technologically Enhanced Instructional Spaces Committee (1997-2002)
Vice-Chair, Teaching and Learning Committee (1999-2002)
Chair, University Teaching Awards Committee (1999-2002)

Other Service Activities

Member, NSERC Reallocation Committee (Industrial Engineering) (1999-2001)
President, BURCIN (Bogazici University & R.C. International Alumni Assoc.) (1996-1998)
Vice President, BURCIN (Bogazici University & R.C. International Alumni Assoc.) (1993-1995)
Student Senator, University of Florida (1983-1984)
President, Turkish Student Assoc., University of Florida (1983-1984)
Vice President, Volunteers for International Student Affairs, U. of Florida (1983-1984)
Student Body President, Faculty of Engineering, Bogazici University (1978-1979)

Awards

Research

1998 Alexander Hamilton Senior Fellowship (Faculty of Business, U. of Alberta)
1998 First and Third Prizes, Best Paper Competition, Canadian Transport Research Forum
1995 Alexander Hamilton Senior Fellowship (Faculty of Business, U. of Alberta)
1994 McCalla Professorship (University of Alberta)
1992 Canadian Utilities Fellowship (Faculty of Business, University of Alberta)
1990 Nova Fellowship (Faculty of Business, University of Alberta)
1988 Southam Fellowship (Faculty of Business, University of Alberta)

Teaching

2004 INFORMS Prize for the Teaching of OR/MS Practice
2003 Vargo Distinguished Teaching Chair, University of Alberta
2003 Leaders in Management Education Award (National Post and PricewaterhouseCooper)
1999 3M Teaching Fellowship (Canada)
1999 MacKenzie Distinguished Teaching Award (given by students, Faculty of Business)
1999 Delta Chi Teaching Award, University of Alberta
1998 Rutherford Teaching Award, University of Alberta
1997 MacKenzie Teaching Award (given by faculty, Faculty of Business)
1991 Undergraduate Teaching Award (Business Students Assoc., U. of Alberta)

Service

2004 INFORMS Moving Spirit Award
2004 Award of Merit, Canadian Operational Research Society (CORS)
2002 CORS Practice Prize Competition, Third Prize
2001 CORS Practice Prize Competition, Second Prize
2000 CORS Service Award
1998 CORS Practice Prize Competition, First Prize
1984 President's recognition for outstanding achievement (U. of Florida)
1980 Rector's prize, Bogazici University

Personal

Born December 1957, Turkish and Canadian citizen, father of Selen Hana and Esra Jean, fluent in English, German and Turkish, excellent health, enjoys sports, traveling, bridge, music, movies and good food.

Updated October 2015

(Note: Several hundred public presentations made as an administrator after 2005 are not listed.)