

FATMA SIBEL SALMAN

Address: College of Engineering, Koç University, Rumeli Feneri Yolu, Sariyer 34450, Istanbul, Turkey.

Office Tel: +90 (212) 338 1707, **Home Tel:** +90 (212) 338 3143, **Fax:** (212) 338 1548

E-mail: ssalman@ku.edu.tr

URL: <http://home.ku.edu.tr/~ssalman/>

EDUCATION

Ph.D. in Operations Research, 2000, Carnegie Mellon University, Pittsburgh, PA, USA

M.Sc. in Industrial Administration, 1997, Carnegie Mellon University, Pittsburgh, PA, USA

M.Sc. in Industrial Engineering, 1994, Bilkent University, Ankara, Turkey

B.Sc. in Industrial Engineering, 1992, Bilkent University, Ankara, Turkey

PROFESSIONAL EXPERIENCE

Academic

9/03-current Assistant Professor – College of Engineering, Koç University, Istanbul, Turkey

8/00-8/03 Assistant Professor – Krannert School of Management, Purdue University, West Lafayette, IN, USA

9/92-7/95 Research Assistant – Department of Industrial Engineering, Bilkent University, Ankara, Turkey

Industry Experience

6/98, 7/97-9/97 Summer Intern – IBM, T.J. Watson Research Center, Yorktown Heights, NY, USA.

Developed and analyzed approximation algorithms for multiple knapsack problems; developed and implemented algorithms for a steel-mill scheduling problem

RESEARCH INTERESTS

Methodologies: Combinatorial optimization, approximation algorithms, stochastic programming

Application Areas: Network design in telecommunication and logistics, facility location problems, production scheduling problems, resource allocation for risk reduction, disaster response logistics.

PUBLICATIONS

Publications in Refereed Journals

1. D. Aksen, O. Kaya, F. S. Salman and Y. Akça, “Selective and Periodic Inventory Routing Problem for Waste Vegetable Oil Collection”, *Optimization Letters*, *accepted for publication, 2012*. DOI 10.1007/s11590-012-0444-1.
2. K. Katterbauer, C. Oguz and F. S. Salman, “Hybrid Adaptive Large Neighborhood Search for the Optimal Statistic Median Problem”, *Computers and Operations Research*, *accepted for publication, 2012*.
3. B. Cesaret, C. Oguz and F. S. Salman, “A Tabu Search Algorithm for Order Acceptance and Scheduling”, *Computers and Operations Research*, 39:6, 1197-1205, 2012.
4. D. Gunec and F. S. Salman, “Assessing the Reliability and the Expected Performance of a Network Under Disaster Risk”, *OR Spectrum*, 33: 3, 499-523, in the special issue on *Optimization in Disaster Relief*, 2011.
5. E. Sancak and F. S. Salman, “Multi-item Dynamic Lot-sizing with Delayed Transportation Policy”, *International Journal of Production Economics*, 131:2, 595-603, 2011.
6. N. Gormez, M. Koksalan, and F. S. Salman, “Locating Disaster Response Facilities in Istanbul”, *Journal of the Operational Research Society*, 62:7, 1239-1252, 2011.
7. N. Tuncbag, F. S. Salman, O. Keskin, A. Gursoy. “Analysis and Network Representation of Hot Spots in Protein Interfaces Using Minimum Cut Trees”, *Proteins: Structure, Function, and Bioinformatics*, 78:10, 2283-2294, 2010.

8. C. Oguz, F. S. Salman, and Z. B. Yalcin, "Order Acceptance and Scheduling Decisions in Make-to-order Systems", *International Journal of Production Economics*, 125:1, 200-211, 2010.
9. S. Peeta, F. S. Salman, D. Gunneç, and K. Viswanath, "Pre-disaster Investment Decisions for Strengthening a Highway Network", *Computers and Operations Research*, 37:10, 1708-1719, 2010.
10. E. Yucel, F. Karaesmen, F. S. Salman, and M. Turkay, "Optimizing Product Assortment Under Customer-driven Demand Substitution", *European Journal of Operational Research*, 199:3, 759-768, 2009.
11. F. S. Salman, R. Ravi and J. Hooker, "Solving the Local Access Network Design Problem", *INFORMS J. on Computing*, 20:2, 243-254, 2008.
12. B. Saglam, F. S. Salman, S. Sayin, and M. Turkay, "A Mixed-Integer Programming Approach to the Clustering Problem with an Application in Customer Segmentation", *European Journal of Operational Research*, 173:3, 866-879, 2006.
13. R. Hassin, R. Ravi and F. S. Salman, "Approximation Algorithms for a Capacitated Network Design Problem", *Algorithmica*, 38:3, 417-431, December 2003.
14. M. Koksalan and F. S. Salman, "Beer in the Classroom: A Case Study of Location and Distribution Decisions", *INFORMS Transactions on Education*, 4:1, 65-77, September 2003.
15. F. S. Salman, J. Kalagnanam, S. Murthy and A. Davenport, "Cooperative Strategies for Solving the Bicriteria Sparse Multiple Knapsack Problem", *Journal of Heuristics*, 8:2, 215-239, March 2002.
16. G. Konjevod, R. Ravi and F. S. Salman, "On Approximating Planar Metrics by Tree Metrics", *Information Processing Letters*, 80:4, 213-219, 2001.
17. F. S. Salman, J. Cheriyan, R. Ravi and S. Subramanian, "Approximating the Single-sink Link-Installation Problem in Network Design", *SIAM J. Optimization*, 11:3, 595-610, 2000.
18. M. Dawande, J. Kalagnanam, P. Keskinocak, R. Ravi and F. S. Salman, "Approximation Algorithms for the Multiple Knapsack Problem with Assignment Restrictions", *Journal of Combinatorial Optimization*, 4, 171-186, 2000.

Publications in Refereed Conference/Workshop Proceedings

1. F. S. Salman, E. Yucel, E. L. Ormeci, and E. S. Gel, "Logistics of Clinical Testing: Heuristics for Routing and Scheduling of Specimen Collection", *Proceedings of EU/ME 2011: Workshop on Client-centered Logistics and International Aid*. February 21-22, 2011, Vienna, Austria.
2. E. Yucel, F. S. Salman, E. L. Ormeci, E. S. Gel, A. Gel, "Logistics of Clinical Testing: Heuristics for Routing and Scheduling of Specimen Collection", *Proceedings of the Manufacturing and Service Operations Management Society Annual Conference (MSOM)*, June 27-29, 2010, Haifa, Israel.
3. M. M. Karaman, W. Elmagrabhy, F. S. Salman, "Relief Aid Stocking Decisions under Cooperation of Emergency Response Agencies", *Proceedings of the Manufacturing and Service Operations Management Society Annual Conference (MSOM)*, June 27-29, 2010, Haifa, Israel.
4. B. Cesaret, C. Oguz and F. S. Salman. "A Tabu Search Algorithm for Order Acceptance and Scheduling", *Proceedings of the 12th International Conference on Project Management and Scheduling (PMS)*, pp. 141-144, April 26-28, 2010, Tours, France.
5. R. Hassin, R. Ravi and F. S. Salman. "Tractable Cases of Facility Location on a Network with a Linear Reliability Order of Links", *Proceedings of the European Symposium on Algorithms (ESA)*, LNCS 5757, pp. 275-276, September 7-9, 2009, Copenhagen, Denmark.

6. S. Gül and F. S. Salman “Post-disaster Casualty Logistics Planning: The İstanbul Case”, *Proceedings of the International Workshop on Freight Transportation and Logistics (ODYSSEUS)*, May 26-29, 2009, Cesme, Turkey.
7. S. Peeta, F. S. Salman, L. Du “A Strategic Planning Framework to Enhance Infrastructure Network Survivability and Functionality under Disasters”, *Proceedings of the International Workshop on Freight Transportation and Logistics (ODYSSEUS)*, May 26-29, 2009, Cesme, Turkey.
8. A. Gel, E. S. Gel, E. L. Örmeci, F. S. Salman, E. Yücel “Designing Routes to Match Collected Workload with the Processing Capacity”, *Proceedings of the International Workshop on Freight Transportation and Logistics (ODYSSEUS)*, May 26-29, 2009, Cesme, Turkey.
9. R. Hassin, R. Ravi and F. S. Salman. “Facility Location on a Network with Unreliable Links”, *Proceedings of the International Network Optimization Conference (INOC)*, April 26-29, 2009, Pisa, Italy.
10. V. Dedeoglu, C. Atici, F. S. Salman and M. O. Sunay, “System Optimization for Peer-to-Peer Multi Hop Video Broadcasting in Wireless Ad-Hoc Networks”, *Proceedings of the IEEE Workshop on Mobile Video Delivery (MoVid)*, June 23, 2008, Newport Beach, USA.
11. T. Erkan, E. Sancak, E. Yildirim and F. S. Salman, “Manufacturing Parts Sourcing with Delayed Transportation Policy”, *Proceedings of the IEEE International Conference on Industrial Engineering and Engineering Management (IEEM)*, pp. 950-954, Dec. 2-4, 2007, Singapore.
12. E. Emil, F. S. Salman, and E. L. Ormeci, “Shift Scheduling in Call Centers with Multiple Skill Sets and Transportation Costs”, *Proceedings of the IEEE International Conference on Service Operations and Logistics, and Informatics (SOLI)*, August 27-29, 2007, Philadelphia, USA.
13. Z. Bilginturk, C. Oguz and F. S. Salman, “Order Acceptance and Scheduling Decisions in Make-to-Order Systems”, *Proceedings of the 3rd Multidisciplinary International Conference on Scheduling: Theory and Application (MISTA)*, pp. 80-87, August 28-31, 2007, Paris, France.
14. E. Bas, A. M. Tekalp, and F. S. Salman, “Automatic vehicle counting from video for traffic flow analysis”, *Proceedings of the IEEE Intelligent Vehicles Symposium (IV)*, pp. 392-397, June 13-15, 2007, Istanbul, Turkey.
15. D. Gunec and F. S. Salman, “Assessing the Reliability and the Expected Performance of a Network Under Disaster Risk”, *Proceedings of the International Network Optimization Conference (INOC)*, April 22-25, 2007, Spa, Belgium.
16. D. Gunec and F. S. Salman, “A Two-Stage Multi-Criteria Stochastic Programming Model for Location of Emergency Response and Distribution Centers”, *Proceedings of the International Network Optimization Conference (INOC)*, April 22-25, 2007, Spa, Belgium.
17. K. Viswanath, S. Peeta, F. S. Salman, and D. Gunec, “Strengthening the Links of a Stochastic Network for Disaster Response with Applications to Istanbul”, *Proceedings of the International Conference on Dynamics of Disasters (CCD)*, October 5-7, 2006, Athens, Greece.
18. K. Vishwanath, S. Peeta and F. S. Salman, “Strengthening the Links of a Network for Disaster Response”, *Proceedings of Third International Workshop on Freight Transportation and Logistics (ODYSSEUS)*, May 23-26, 2006, Altea, Spain.
19. E. Yucel, F. Karaesmen, F. S. Salman, and M. Turkay, “Product assortment under customer-driven demand substitution in retail operations”, *Proceedings of the International Conference on Information Systems, Logistics and Supply Chain*, May 14-17, 2006, Lyon, France.
20. K. Altinkemer, F. S. Salman, and P. Bellur, “Solving the Minimum Energy Broadcasting Problem in Ad Hoc Wireless Networks by Integer Programming”, *Proceedings of the International Network Optimization Conference (INOC)*, March 20-23, 2005, Lisbon, Portugal.

21. K. Altinkemer, F. S. Salman, and P. Bellur, "Exact Solution of the Minimum Energy Broadcasting Problem in Ad Hoc Wireless Networks by Integer Programming", *Proceedings of the Modeling and Optimization in Mobile, Ad Hoc and Wireless Networks Conference (WiOpt)*, March 24-26, 2004, Cambridge, UK.
22. N. Garg, R. Khandekar, G. Konjevod, R. Ravi, F. S. Salman, and A. Sinha, "On the integrality gap of a natural formulation of the single-sink buy-at-bulk network design problem", *Proceedings of the Eighth Conference on Integer Programming and Combinatorial Optimization (IPCO)*, pp. 170-184, June 2001, Utrecht, Netherlands.
23. R. Hassin, R. Ravi and F. S. Salman, "Approximation Algorithms for a Capacitated Network Design Problem", *Proceedings of the Workshop on Approximation Algorithms (APPROX)*, LNCS 1913, pp. 167-176, September 2000, Saarbrücken, Germany.
24. F. S. Salman, J. Kalagnanam and S. Murthy, "Cooperative strategies for solving the bicriteria sparse multiple knapsack problem", *Proceedings of the 1999 Congress on Evolutionary Computation (CEC 99)*, Volume: 1, pp. 53-60, July 6-9, 1999, Washington D.C., USA.
25. R. Ravi and F. S. Salman, "Approximation Algorithms for the Traveling Purchaser Problem and Its Variants in Network Design", *Proceedings of the Seventh European Symposium on Algorithms (ESA)*, LNCS 1693, pp. 29-40, July 1999, Prague, Czech Republic.
26. F. S. Salman, J. Cheriyan, R. Ravi and S. Subramanian, "Buy-at-bulk network design: approximating the single-sink edge installation problem", *Proceedings of the Eighth Annual ACM-SIAM Symposium on Discrete Algorithms (SODA)*, pp. 619-628, January 1997, New Orleans, USA.

SPONSORED RESEARCH

NATO Collaborative Linkage Grant, 2007-2009: Locating Disaster Response Facilities for Effective Distribution of Emergency Supplies, Principle Investigators: F. S. Salman, R. Hassin, R. Ravi. Funding: 10,000 Euro.

TUBITAK CAREER AWARD (105M316), 2006 - 2011: Stochastic Network Optimization Methods with Applications in Disaster Management, Investigator: F. S. Salman, Funding: \$176,000.

TUBITAK Research Project, 2006-2008: Call Center Workforce Planning; Co-investigators: L. Ormeci, D. Aksen, A. Erdem, F. S. Salman, S. Savas.

Istanbul Metropolitan Municipality, 2006-2007: Post-disaster Logistics Planning for the City of Istanbul; Co-investigators: Dilek Gunnec, F. S. Salman.

Istanbul Metropolitan Municipality, 2006-2007: Automatic Video Processing for Traffic Data Generation, Co-investigators: Murat Tekalp, F. S. Salman.

KUMPEM, 2004-2006: Vendor Selection under Product Assortment and Inventory Considerations; Co-Principal Investigators: F. Karaesmen, F. S. Salman, M. Türkay; Funding: \$19,000.

TEACHING EXPERIENCE

College of Engineering, Koç University

Instructor, *Introduction to Optimization Methods*, Spring 11; sophomore-level required course;

Instructor, *Mathematical Programming*, Fall 06; junior-level required course

Instructor, *Information Systems*, Fall 03-10; senior-level required course

Instructor, *Production Planning and Control*, Spring 04-11; junior-level required course

Instructor, *Large Scale Systems*, Spring 05-10; elective undergraduate course in modeling and optimization

Instructor, *Network Models and Optimization*, Fall 03-Fall 09; graduate-level elective course

Coordinator, Industrial Engineering Seminar Course, Fall 04, Spring 05, Fall 10, Spring 11; graduate-level seminar course

Senior Design Project Supervisor, 2003-2011.

Independent Study and Special Topics courses, *Routing and Scheduling in Logistics Planning* (Fall 09, graduate-level), *Geographic Information Systems Applications in Retailing* (Fall 06), *Mixed Model Assembly Line Balancing* (Fall 04)

Krannert School of Management, Purdue University

Course Coordinator, *Management Science*, Spring 02, Fall 02

Coordinated 6 sections of the required Management Science course in the undergraduate management program.

Instructor, *Management Science*, Fall 00, Spring 01, Fall 01, Spring 02, Fall 02

Course topics include linear programming, integer programming, network models, decision analysis

Developed teaching material including a case that won the INFORMS Case Competition in 2002.

Received an overall instructor rating of 4.5 out of 5 from students (Spring 02)

Instructor, *Seminar in Quantitative Methods*, Fall 01, *Approximation Algorithms*, Spring 02, PhD courses

Tepper School of Business, Carnegie Mellon University

Instructor, *Scheduling and Sequencing*, Spring 00, Master of Industrial Administration Program, (MBA)

Developed and taught MBA level elective course; prepared course material that has been included into the educational materials distributed with the textbook by Pinedo and Chao.

Instructor, *Production and Operations Management*, Summer 99, required course in the undergraduate Business Administration program

Recitation Instructor, *Introduction to Operations Research*, Spring 97, Dept. of Math. Sciences, undergraduate course

Teaching Assistant, *Combinatorial Optimization* (undergraduate, Spring 99), *Introduction to Operations Research* (MBA, Fall 97, Fall 96), *Production and Operations Management* (undergraduate, Summer 96)

Training, Attended teaching seminars at the Eberly Center for Teaching Excellence

Industrial Engineering Department, Bilkent University, Turkey

Teaching Assistant, *Manufacturing Processes* (Spring 93), *Applied Linear Algebra* (graduate, Fall 94), *Production Systems Design* (Spring 94, senior-project), *Introduction to Modeling and Optimization* (Spring 95)

HONORS AND AWARDS

2007 IBM Shared University Research Award

2006 TUBITAK Career Award

2002 First Prize, Third Annual INFORMS Case Competition

8/97-7/99 IBM Corporate Fellowship for doctoral study

8/96-7/97 Doctoral Fellowship, William Larimer Mellon Foundation, GSIA, CMU

8/95-8/96 Fulbright Scholarship for doctoral study

9/92-7/95 Fellowship for graduate study, Bilkent University

9/88-6/92 Fellowship for undergraduate study, Bilkent University

8/89-6/92 H. O. Sabanci Foundation scholarship for undergraduate study

8/88 Outstanding Achievement Award of Vehbi Koc Foundation for undergraduate study

6/88 Ranked 20th (200,000 participants) in the nationwide university entrance exam (second round)

2/87 Ranked 21st (900,000 participants) in the nationwide university entrance exam (first round)

PROFESSIONAL ACTIVITIES

Journal Referee:

Operations Research, Management Science, SIAM J. on Discrete Mathematics, IIE Transactions, EJOR, Optimization and Engineering, Telecommunication Systems, 4OR, International J. of Operations and Quantitative Management, Journal of Infrastructure Systems, Transportation Science, Transportation Research, Journal of Discrete Algorithms, Theoretical Computer Science, Annals of Operations Research, Optimization Letters.

Conference Referee:

Winter Simulation Conference, 2010; SAVTEK, Turkish Defense Technologies Conference, 2010; Fourth International Workshop on Freight Transportation and Logistics, ODYSSEUS 2009; International Network Optimization Conference INOC 2009; IEEE International Conference on Service Operations and Logistics, and Informatics, SOLI 2007; Management and Service Operations Management, MSOM 2006; First International Conference on Computer, Communications and Signal Processing 2005; ACM-SIAM Symposium on Discrete Algorithms, SODA 2003.

Judge/Jury Member:

Judge for the 2003 INFORMS Case Competition, YA/EM 2005 Student Paper Competition Coordinator. YA/EM 2009 Student Paper Competition.

Invited Talks/Seminars:

Metropolitan Planning Department, Istanbul Municipality, 2008; Department of Operations Research and Statistics, Tel Aviv University, 2007; Industrial Engineering Department, Galatasaray University, 2007 and 2010; Industrial Engineering Department, Eastern Mediterranean University, 2006; Industrial Engineering Department, Bilkent University, 2006; Industrial Engineering Department, Bogazici University, 2004 and 2009; Faculty of Engineering and Natural Sciences, Sabanci University, 2004; Industrial Engineering Department, Middle East Technical University, 2003; Industrial Engineering Department, Koc University, 2003; Mechanical and Industrial Engineering Department, University of Toronto, 2003; Department of Industrial Engineering and Operations Research, University of California, Berkeley, 2001; School of Industrial and Systems Engineering, Georgia Institute of Technology, 2000; Department of Systems Engineering, University of Pennsylvania, 2000.

Conference Presentations:

1. EU/ME Workshop 2011: Client-centered Logistics and International Aid, Feb. 21-22, 2011, Vienna, Austria. "Logistics of Clinical Testing: Heuristics for Routing and Scheduling of Specimen Collection", with E. Yücel, E. L. Örmeci and E. S. Gel
2. EURO 2010 Conference, July 11-14, 2010, Lisbon, Portugal. "Locating Emergency Response Facilities on a Network with a Linear Reliability Order of Links", with R. Hassin and R. Ravi.
3. YAEM 2010 National Meeting, June 30- July 2, 2010, Sabancı University, Istanbul. "An Assessment of the Emergency Medical Response System of Istanbul after a Possible Earthquake", with E. A. Tanrıöven and E. S. Gel.
4. YAEM 2009 National Meeting, June 22-24, 2009, Bilkent University, Ankara. "Multi-item Dynamic Lot-sizing with Delayed Transportation Policy", with E. Sancak.
5. ESA 2009, European Symposium on Algorithms, September 7-9 2009, Copenhagen, Denmark. "Tractable Cases of Facility Location on a Network with a Linear Reliability Order of Links", with R. Hassin and R. Ravi.
6. ODYSSEUS 2009, Fourth International Workshop on Freight Transportation and Logistics, May 26-29 2009, Cesme, Turkey. "Post-disaster Casualty Logistics Planning: The İstanbul Case", with S. Gül.
7. INOC 2009, International Network Optimization Conference, April 26-29, 2009, Pisa, Italy. "Facility Location on a Network with Unreliable Links", with R. Hassin and R. Ravi.
8. INFORMS Telecommunications Conference, March 27-29, 2008. University of Maryland, College Park, MD. "System Optimization for Broadcasting in Ad Hoc Wireless Networks", with C. Atici, V. Dedeoglu, and M. O. Sunay.
9. SOLI 2007, IEEE International Conference on Service Operations and Logistics, and Informatics, Philadelphia, August 27-29, 2007. "Shift Scheduling in Call Centers with Multiple Skill Sets and Transportation Costs", with E. Emil, and E. L. Örmeci.

10. INOC 2007, International Network Optimization Conference, Spa, Belgium, April 22-25, 2007. "Assessing the Performance and Reliability of a Network under Disaster Risk", with D. Gunneç.
11. INFORMS Annual Meeting 2006, Pittsburgh, USA. "Assortment Planning and Supplier Selection under Demand Substitution in Retail Operations" with E. Yucel, F. Karaesmen and M. Turkyay.
12. CDD 2006, International Conference on Dynamics of Disasters, Mati, Athens, October 5-7, 2006. "Disaster Management: Strengthening the Links of a Network for Disaster Response", with D. Gunneç, K. Viswanath and S. Peeta.
13. ODYSSEUS 2006 Conference, Third International Workshop on Freight Transportation and Logistics, May 23-26, 2006, Altea, Spain. "Strengthening the Links of a Network for Disaster Response" with K. Viswanath and S. Peeta.
14. EURO 2004 Conference, Rhodes, Greece, "Energy Efficient Broadcasting in Ad Hoc Wireless Networks", with K. Altinkemer and P. Bellur, July 4-7, 2004.
15. INFORMS Annual Meeting 2002, San Jose, "A Case Study of Location and Distribution Decisions at Anadolu Efes" with M. Koksalan.
16. INFORMS International Conference, Maui, Hawaii, June 17-20, 2001. "Search by Objective Relaxation for the LAN Design Problem", with R. Ravi and J. Hooker.
17. INFORMS Annual Meeting 1999, Philadelphia, "Cooperative Strategies for Solving the Bicriteria Sparse Knapsack Problem", with J. Kalagnanam and Sesh Murty.
18. INFORMS Annual Meeting 1999, Philadelphia, "Approximation Algorithms for the Multiple Knapsack Problem with Assignment Restrictions", with P. Keskinocak, M. Dawande and J. Kalagnanam.
19. ESA European Symposium on Algorithms, "Approximation Algorithms for the Traveling Purchaser Problem and Its Variants in Network Design", with R. Ravi, Prague, 1999.
20. INFORMS National Meeting, Montreal, Spring 1998. "Heuristics for the Bicriteria Sparse Multiple Knapsack Problem", with J. Kalagnanam and, S. Murthy.
21. INFORMS National Meeting, "Analysis of a General Class of Discrete Optimization Problems with Parametric Righthand Sides", with B. C. Tansel, Seattle, Fall 1998.
22. INFORMS National Meeting, "A Survey of Parametric and Sensitivity Analysis in Combinatorial Optimization", with B. C. Tansel and M. H. Demir, San Diego, Spring 1997.
23. INFORMS National Meeting, "Parametric Multimediant Location on Networks", with B. C. Tansel, New Orleans, Fall 1995. Also presented at the National Meeting of the Operational Research Society of Turkey, YAEM, Ankara, 1994 (in Turkish).

Organization Committees:

ODYSSEUS 2009, The Fourth International Workshop on Freight Transportation and Logistics, May 2009, Cesme, Turkey.
 MAPSP 2007, The 8th Workshop on Models and Algorithms for Planning and Scheduling Problems, Koc University, Istanbul, Turkey, July 2-6, 2007.
 YA/EM 2005, The Twenty Fifth National Operations Research/Industrial Engineering Congress, Koc University, Istanbul, Turkey, July 4-6, 2005.

Conference/Workshop Program Committees:

YA/EM 2012, National Operations Research/Industrial Engineering Congress, Dogus University, Istanbul, Turkey.

Graduate Student Advising:

Eda Yucel, Ph.D. in IE 2011, Koc University (co-advisor)
 Yeliz Akca, M.Sc. in IE 2011, Koc University (co-advisor)
 Selin Ozturk, M.Sc. in IE 2011, Koc University (advisor)
 Emin Tanrioven, M.Sc. in IE 2010, Koc University (advisor)
 Bahriye Cesaret, M.Sc. in IE 2010, Koc University (co-advisor)
 Emre Sancak, M.Sc. in IE 2009, Koc University (advisor)
 Muge Karaman, M.Sc. in CMSE 2009, Koc University (advisor)

Sezer Gul, M.Sc. in IE 2008, Koc University (advisor)
Zehra Bilginturk, M.Sc. in IE 2007, Koc University (co-advisor)
Dilek Gunec, M.Sc. in IE 2007, Koc University (advisor)
Eda Yucel, M.Sc. in IE 2006, Koc University (co-advisor)
Burcu Saglam, M.Sc. in IE 2005, Koc University (co-advisor)

Memberships in Organizations: Institute for Operations Research and the Management Sciences (INFORMS),
Institute of Industrial Engineers (IIE), IEEE, Yoneylem Arastirmasi Dernegi (YAD).