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PERSONAL INFORMATION

Date and Place of Birth: February 11, 1972, İstanbul, Turkey

Gender: Male

Languages: Turkish, English (fluent), German (beginner), French (beginner)

ACADEMIC BACKGROUND

**University of Pittsburgh
The Joseph M. Katz Graduate School of Business**

VISITING PROFESSOR 2018-2019

**Istanbul Technical University,
Faculty of Management, Department of Industrial Engineering**

PROFESSOR 2011-

ASSOCIATE PROFESSOR 2005-2011

ASSISTANT PROFESSOR 2001-2005

LECTURER 2000-2001

RESEARCH AND TEACHING ASSISTANT 1994-2000

Leeds University Business School

VISITING RESEARCHER 1998-1999

EDUCATION

**Istanbul Technical University,
Graduate School of Science Engineering and Technology** 1995-2000
Ph.D. in Engineering Management (3.78/4)

**Istanbul Technical University,
Graduate School of Science Engineering and Technology** 1993-1995
M.Sc. in Engineering Management (95.62/100)

**Istanbul Technical University,
Faculty of Management, Department of Industrial Engineering** 1989-1993
B.Sc. in Industrial Engineering (3.1/4)

Maarif College (Kadıkoy Anatolian High School) 1982-1989
High School

CURRENT RESEARCH INTERESTS AND STUDY AREAS

Decision Analysis, Multiple Criteria Decision Making, Group Decision Making,
Decision Support Systems, Decision Aid Computer Packages,
Operations Research / Management Science,
Healthcare Management, Logistics Management, Transportation, Energy,
Scheduling, Bidding and Tender Systems

RESEARCH PROJECTS - CONSULTANCIES

- TÜPRAŞ - Turkish Petrol Refineries Corporation “Stock and composition optimization for crude oil processes in İzmir Refinery” Research & Development project, executive consultant (March 2021 -)
- Deloitte Turkey R&D Center, advisory board member (December 2017 - May 2019)
- Doğuş Technology “Order picking optimization in the automotive parts warehouse of Doğuş Automotive” Research & Development project, executive consultant (March 2017 - May 2019)
Development of an order picking algorithm in a warehouse of an automotive parts distributor to predict the picking times of orders by using data collected from warehouse operations
- GE Energy Connections Grid Solutions “Scheduling optimization” Research & Development project, executive consultant (December 2017 - November 2018)
Development of a scheduling model, solving the model with a heuristic optimization algorithm, and creating a decision support system that recommends order of jobs and assignment of them to the machines to minimize the tardiness and earliness times of coils at a power transformer manufacturing facility.
- TOFAŞ Turkish Automotive Company, “Proactive failure avoidance system in an automotive assembly line” Research & Development project, executive consultant (July 2016 - December 2017)
Development of a generic multi-criteria decision support system for the prediction and quantification of the risk of failures on the workstations in an automobile manufacturing company. By the help of such a decision support tool, risk of failure levels of work stations can be measured during the production and workforce planning before the failures occur.
- UND (International Transporters' Association), “A decision support model to improve efficiency of Kapıkule border crossing” project, consultant (January 2016 - May 2017)
Improvement of current processes to increase the capacity of border crossing and development of a simulation model to analyze the effects of the proposals
- Blesh Social Networks “Predicting queue lengths by utilizing iBeacon technology in closed and large areas and developing decision support systems” TÜBİTAK (The Scientific and Technological Research Council of Turkey) 1507 SME Research, Development, and Innovation Grant Program project (#7150714), advisor (September 2015 - June 2016)
Development of an algorithm to predict queue lengths in Atatürk Airport, İstanbul by using the data provided from iBeacons and mobile phones of the passengers at the airport and development of a simulation model to validate the predictions.
- “Robust Airline Crew Pairing: Models, Solution Techniques, and Applications” TÜBİTAK (The Scientific and Technological Research Council of Turkey) 1001 Scientific and Technological Research Projects Funding Program project (#106M472), researcher (2007 - 2010)
Development of a solver for proposing classical airline crew pairing (appropriate to a given flight schedule) and robust airline crew pairing (modifying pairing when there exist delay, cancellation, additional flight requirements, etc.) (*Çoban et al., 2009*)
- LC Waikiki (Apparel retail chain) “Evaluation of Retail Store Location” project, consultant (2006)
Development of a multiple criteria decision making approach for the evaluation of appropriateness of a possible retail location that can be rented (*Burnaz and Topcu, 2006*)
- LC Waikiki (Apparel retail chain) “Optimal Shift Scheduling and Assignment” project, consultant (2005)

- Modeling and solving scheduling and assignment problems for staff working in stores, creating a simulation model for analyzing the selected principle options (*Kabak et al., 2008*)
- Onur Air “Airline Crew Planning” project, consultant (2004)
Development of a solver for proposing airline crew pairing appropriate to a given flight schedule
- Ministry of Transportation “Transportation Master Plan Strategy” revolving fund project, researcher (2003 - 2004)
Development of a decision support system to assist the strategic decisions of transport policy makers by analyzing the possible consequences of changes in the share of transport types in passenger and freight transport. (*Ülengin et al., 2007*)
- FIAT Auto International Business Unit “Global Strategy Model” project, consultant (2002)
Development of a multi-criteria decision model to prioritize the strategies of FIAT AUTO headquarters and companies in different countries and to determine the appropriate models to be produced in the factories of these companies
- Merck Sharp Dome “Intelligence for Competition in Healthcare” project, consultant (1999)
- Transtürk Holding “Positioning Kriss 110” project, consultant (1998)
- Ministry of Transportation “The Feasibility Study of Airport in Pendik Kurtköy” revolving fund project, researcher (1997)
- Ministry of Transportation “Air Travel Demand Projections for Atatürk Airport” revolving fund project, researcher (1996)
- Anadolu Group “Reengineering of Anadolu Star” project, junior consultant:
 - Ege Biracılık ve Malt (Beer and Malt) “Total Improvement Model” (1997)
 - Güney Biracılık ve Malt (Beer and Malt) “Process Management” (1997)
 - Anadolu Biracılık, Malt ve Gıda (Beer, Malt, and Food) “Participatory Improvement Model” (1996)
 - Güney Biracılık ve Malt (Beer and Malt) “Total Development Model” (1995 - 1996)

ORGANIZED WORKSHOPS

- Yemek Sepeti (Online Food Delivery and Market Shopping Company) Decision Conference (2021)
- IHKIB (İstanbul Apparel Exporters’ Association) “Apparel Sector Transformation Vision” Decision Conference (2019)
- Presidency of Defence Industries “Modeling and Simulation Industry” Workshop (2019)
- Atatürk University “New Generation University Design and Transformation Project” Decision Conference (2018)
- Undersecretariat for Defence Industries, Department of Cyber Security and Electronic Warfare Systems – TÜBİTAK (The Scientific and Technological Research Council of Turkey) BİLGEM (Informatics and Information Security Research Center) Cyber Security Institute “Cyber Security Cluster Design” Workshop (2017)
- GYODER (Association of Real Estate and Real Estate Investment Partnership) “Real Estate Industry” Decision Conference (2017)
- TEKFEN Strategy Workshop (2017)
- DTİK (World Turkish Business Council) Vision Workshop (2017)
- Sabancı Foundation Decision Conference (2016)
- E-export Strategy Decision Conference (2015)
- Anadolu Group Prioritization Conference (2015)
- Erdemir Group Decision Conference (2014)
- IPKB (Istanbul Project Coordination Unit) “Cost Analysis and Evaluation of Retrofitting and Reconstruction Projects” Workshop (2014)
- “Kadıköy in My Mind” Decision Conference (2014)
- Bozlu Holding Decision Conference (2014)
- UND (International Transporters Association) “Transportation and Logistics” Decision Conference (2013)
- “Antalya 2023” Future Design and Decision Conference (2013)

- TEPAV (The Economic Policy Research Foundation of Turkey) "Turkey Speaks" Citizen Assembly (2012)
- Camli Feed and Farming "Evaluation of Strategic Options" Decision Conference (2011)
- Viking Pulp and Paper Mill "Evaluation of Strategic Options" Decision Conference (2011)
- DYO Paints Factories "Evaluation of Strategic Options" Decision Conference (2011)
- TOBB (The Union of Chambers of Commerce, Industry, Maritime Trade and Commodity Exchanges of Turkey) Decision Conference (2011)
- Vestel and Business Partners Decision Conference (2010)
- ISTKA (Istanbul Development Agency) Decision Conference (2010)
- TMB (Turkish Contractors Association) Decision Conference (2010)
- Rixos Hotels Future Design and Decision Conference (2010)
- ETI "Global Delight" Decision Conference (2009)
- "Museum of Topkapi Palace" Decision Conference (2008)
- Bodrum Future Design and Decision Conference (2008)
- BMC Automotive "Restructuring Distribution Channels" Decision Conference (2008)
- AKSA Acrylic Fiber Corporation "Evaluation of Strategies and Prioritization of Options" Workshop (2008)
- BMC Automotive "Evaluation of Strategic Projects" Decision Conference (2008)
- Datasel Information Systems Decision Conference (2007)
- Sabanci Foundation Decision Conference (2007)
- "Improving Transplantation System" Decision Conference (2007)
- Bakirkoy Future Design Decision Conference (2006)
- PO (Petrol Ofisi) fuel products distributor "New Station Design" Decision Meeting (2005)
- Rize Future Design and Decision Conference (2005)
- "Food Associations" Workshop (2004)
- ITKIB (Istanbul Textile and Apparel Exporter Association) "Turkish Textile Sector in Global Competition" Decision Conference (2004)
- Kocaeli Decision Conference (2003)
- "Improving Turkish Advertisement Sector" Decision Conference (2003)
- Ministry of Transportation Department of Land Transportation – UND (International Transporters Association) - TOBB (The Union of Chambers of Commerce, Industry, Maritime Trade and Commodity Exchanges of Turkey) "Ideal Land Transportation" Future Design Workshop (2003)
- TUSIAD (Turkish Industrialists' and Businessmen's Association) "Improving Vocational and Technical Education" Decision Conference (2003)
- DTO (Chamber of Shipping) Decision Conference (2003)
- TOBB (The Union of Chambers of Commerce, Industry, Maritime Trade and Commodity Exchanges of Turkey) Decision Conference (2003)
- AMPD (Trade Council of Shopping Centers and Retailers) Decision Conference (2003)
- MEYED (Association of the Industry of Juices and Nectars) Decision Conference (2002)
- Decision Conference for Private Health Sector (2002)
- Undersecretariat of Customs – Undersecretariat of Foreign Trade – UND (International Transporters Association) – Turkey Exporters Assembly – Custom Affairs Association "Identifying Efficient Trade Policy and Custom Affairs" Decision Conference (2002)
- Galatasaray Sports Club Decision Conference (2002)
- Association of Communications Agencies Decision Conference (2002)
- TEMA (The Turkish Foundation for Combating Soil Erosion for Reforestation and the Protection of Natural Habitats) Decision Conference (2000)
- "Eskisehir 2010" Future Design and Decision Conference (2000)
- Brisa "ERP Selection" Decision Conference (2000)
- Osmanli Bank "Evaluation of Bank Branches" Search and Decision Conferences (2000)
- TOFAS-FIAT Search and Decision Conferences (1999)
- Vehbi Koc Foundation Search and Decision Conferences (1999)
- Ata Invest "Evaluation of Strategies" Workshop (1999)
- Mis Sut Decision Conference (1999)

- IEIS (Pharmaceutical Manufacturers Association of Turkey) “Identification of Pharmaceutical Industry” Decision Conference (1999)
- Decision Conference for Quality in Law System (1998)

PUBLICATIONS

Orcid ID: orcid.org/0000-0001-9717-7854

Web of Science: <https://publons.com/researcher/2159057/ilker-topcu/>

Scopus ID: www.scopus.com/authid/detail.uri?authorId=6603007968

Google Scholar: <https://scholar.google.com.tr/citations?user=99jRth8AAAAJ&hl=tr>

Research Gate: www.researchgate.net/profile/Ilker_Topcu

IMPACT *as of March 30, 2021*

h-index

15 (Web of Science)

16 (Scopus)

21 (Google Scholar)

i10-index

41 (Google Scholar)

CITATIONS *as of March 30, 2021*

780 times cited (Web of Science)

1003 times cited (Scopus)

2196 times cited (Google Scholar)

The top 5 most cited publications (Web of Science)

| | |
|--|-----|
| Topcu (2004) Build Environ | 104 |
| Topcu and Ülengin (2004) Energy | 103 |
| Karpak and Topcu (2010) Int J Prod Econ | 63 |
| Kişioğlu and Topcu (2011) Expert Syst. Appl. | 49 |
| Ülengin et al. (2007) Transp Res Part A Policy Pract | 46 |

The top 5 most cited publications (Scopus)

| | |
|--|-----|
| Topcu (2004) Build Environ | 138 |
| Topcu and Ülengin (2004) Energy | 110 |
| Karpak and Topcu (2010) Int J Prod Econ | 87 |
| Kişioğlu and Topcu (2011) Expert Syst. Appl. | 63 |
| Ülengin et al. (2007) Transp Res Part A Policy Pract | 63 |

The top 5 most cited publications (Google Scholar)

| | |
|---|-----|
| Topcu (2004) Build Environ | 280 |
| Karpak and Topcu (2010) Int J Prod Econ | 186 |
| Topcu and Ülengin (2004) Energy | 180 |

INTERNATIONAL JOURNAL PAPERS

Papers in SCI, SSCI, AHCI, ESCI indexed journals and Chartered ABS list^a journals

Quartiles: SCImago Journal & Country Rank

^a<https://charteredabs.org/academic-journal-guide-2018-view/>

1. Kadaifçi Ç., Asan, U. ve Topcu Y.İ. (2020) A fuzzy cognitive mapping approach to the conference selection problem, *International Journal of Information Technology & Decision Making*, 19/6, 1451-1484.
(SCI – Q1 – CABS rating 1*)
<https://doi.org/10.1142/S02196220200500352> WOS:000587731800003
2. Gül S., Kabak Ö. and Topcu Y.İ. (2020) Coordinating the ISM Code and OHSAS procedures to improve the occupational health and safety at sea, *Journal of Multi-Criteria Decision Analysis*, 27/5-6, 286-303.
(ESCI – Q2 – CABS rating 1*)
<http://dx.doi.org/10.1002/mcda.1710> WOS:000548217000001
3. Unver B., Kabak Ö., Topcu Y.İ., Altınışık A., and Çavuşoğlu Ö. (2020) A decision support system for proactive failure prevention: A case in a leading automotive company, *Journal of Enterprise Information Management*, 33/5, 845-880.
(SSCI – Q1 – CABS rating 2*)
Based on a supervised undergraduate thesis and an R&D project involved as executive consultant
<https://doi.org/10.1108/JEIM-09-2019-0264> WOS:000525849600001
4. Topcu Y.İ., Ulengin F., Kabak Ö., Önsel Ekici Ş. and Ünver B. (2020) A decision support methodology for increasing the efficiency of the largest border crossing between Europe and Turkey, *Research in Transportation Economics*, 80/May, Article 100825
(SSCI – Q1 – CABS rating 1*)
<https://doi.org/10.1016/j.retrec.2020.100825> WOS:000531036900019
5. Özgün Kibiroğlu Ç, Seraslan N., and Topcu Y.İ. (2019) Particle swarm optimization for uncapacitated multiple allocation hub location problem under congestion, *Expert Systems with Applications*, 119, 1-19
(SCI – Q1 – CABS rating 3*)
Based on a supervised Ph.D. thesis
<https://doi.org/10.1016/j.eswa.2018.10.019> WOS:000456222700001
6. Topcu Y.İ., Ülengin F., Kabak Ö., Işık M., Ünver B., and Önsel Ekici Ş. (2019) The Evaluation of Electricity Generation Resources: The Case of Turkey, *Energy*, 167, 417-427
(SCI – Q1)
<https://doi.org/10.1016/j.energy.2018.10.126> WOS:000456351800036
7. Başar A., Kabak Ö. and Topcu Y.İ. (2019) A Tabu Search Algorithm for Multi-Period Bank Branch Location Problem: A Case Study in a Turkish Bank, *Scientia Iranica*, 26/6, 3728-3746
(SCI – Q2)
Based on a co-supervised Ph.D. thesis
<https://doi.org/10.24200/SCI.2018.20493> WOS:000514809600003
8. Küçükaltan B. and Topcu Y.İ. (2019) Assessment of key airline selection indicators in a strategic decision model: passengers' perspective, *Journal of Enterprise Information Management*, 32/4, 646-667
(SSCI – Q1 – CABS rating 2*)
<https://doi.org/10.1108/JEIM-08-2018-0178> WOS:000479197000006 WOS:000479197000006
9. Gül S., Kabak Ö., and Topcu Y.İ. (2018) An OWA Operator-based Cumulative Belief Degrees Approach for Credit Rating, *International Journal of Intelligent Systems*, 33/5, 998-1026
(SCI – Q1)
Based on a co-supervised Ph.D. thesis
<http://dx.doi.org/10.1002/int.21909> WOS:000428795300005

10. Gül S., Kabak Ö., and Topcu Y.İ. (2018) A multiple criteria credit rating approach utilizing social media data, *Data & Knowledge Engineering*, 116, 80-99
(SCI – Q2)
Based on a co-supervised Ph.D. thesis
<https://doi.org/10.1016/j.datak.2018.05.005> WOS:000441853500005
11. Ülengin F., Işık M., Önsel Ekici Ş., Özaydın Ö., Kabak Ö., and Topcu Y.İ. (2018) Policy developments for the reduction of climate change impacts by the transportation sector, *Transport Policy*, 61, 36-50
(SSCI – Q1 – CABS rating: 2*)
<https://doi.org/10.1016/j.tranpol.2017.09.008> WOS:000418982500005
12. Yanık S., Aktaş E., and Topcu Y.İ. (2017) Traveler Satisfaction in Rapid Rail Systems: The Case of Istanbul Metro, *International Journal of Sustainable Transportation*, 11/9, 642-658
(SSCI – Q1)
<http://dx.doi.org/10.1080/15568318.2017.1301602> WOS:000402128400002
13. Çınar D., Oliveira J.A., Topcu Y.İ., and Pardalos P.M. (2017) Scheduling the Truckload Operations in Automated Warehouses with Alternative Aisles for Pallets, *Applied Soft Computing*, 52, 566-574.
(SCI – Q1)
14. Başar A., Kabak Ö., and Topcu Y.İ. (2017) A decision support methodology for locating bank branches: A case study in Turkey, *International Journal of Information Technology & Decision Making*, 16/1, 59-86
(SCI – Q1 – CABS rating 1*)
Based on a co-supervised Ph.D. thesis
<http://dx.doi.org/10.1142/S0219622016500462> WOS:000395371100004
<http://dx.doi.org/10.1016/j.asoc.2016.10.013> WOS:000395896500044
15. Çınar D., Oliveira J.A., Topcu Y.İ., and Pardalos P.M. (2016) A Priority Based Genetic Algorithm for a Flexible Job Shop Scheduling Problem, *Journal of Industrial and Management Optimization*, 12/4, 1391-1415.
(SCI – Q2 – CABS rating 1*)
Based on a co-supervised Ph.D. thesis
<http://dx.doi.org/10.3934/jimo.2016.12.1391> WOS:000390104100015
16. Akyıldız B., Kadaifçi Ç., and Topcu Y.İ. (2015) A decision framework proposal for customer order prioritization: A case study for a structural steel company, *International Journal of Production Economics*, 169/1, 21-30.
(SCI – Q1 – CABS rating 3*)
Based on a supervised Ph.D. thesis
<http://dx.doi.org/10.1016/j.ijpe.2015.07.004> WOS:000363352800003
17. Harputlugil T., Gültekin A.T., Prins M., and Topcu Y.İ. (2014) Architectural Design Quality Assessment Based on Analytic Hierarchy Process: A Case Study, *METU Journal of the Faculty of Architecture*, 31/2, 139-162.
(AHCI – Q1)
<http://dx.doi.org/10.4305/METU.JFA.2014.2.8> WOS:000348961600009
18. Çelik M. and Topcu Y.İ. (2014) A decision-making solution to ship flagging out via administrative maritime strategies, *Maritime Policy and Management*, 41/1, 112-127.
(SSCI – Q1 – CABS rating 2*)
Based on a supervised Ph.D. thesis
<http://dx.doi.org/10.1080/03088839.2013.780310> WOS:000328602300007
19. Kadaifçi Ç. and Topcu Y.İ. (2014) A Decision Model for Improving the Quality of Service at Airport Terminals Using Fuzzy Cognitive Mapping: A Case from Turkey, *Journal of Multiple Valued Logic & Soft Computing*, 22/4, 409-422.
(SCI – Q2)
Based on a supervised graduate thesis
20. Onar S.Ç., Aktaş E., Topcu İ., and Doran D. (2013) An Analysis of Supply Chain Related Graduate Programmes in Europe, *Supply Chain Management: An International Journal*, 18/4, 398-412.
(SSCI – Q1 – CABS rating 3*)
<http://dx.doi.org/10.1108/SCM-06-2012-0209> WOS: 000322942600005

21. Marta J., Singhapakdi A., Lee D.-J., Burnaz Ş., Topcu Y.İ., Atakan M.G.S., and Özkaracalar T. (2012) The Effects of Corporate Ethical Values and Personal Moral Philosophies on Ethical Intentions in Selling Situations: Evidence from Turkish, Thai, and American Businesspeople, *Journal of Business Ethics*, 106/2, 229-241.
(SSCI – Q1 – CABS rating 3*)
<http://dx.doi.org/10.1007/s10551-011-0992-9> WOS:000302237600008
22. Kişioğlu P. and Topcu Y.İ. (2011) Applying Bayesian Belief Network Approach to Customer Churn Analysis: A Case Study on the Telecom Industry of Turkey, *Expert Systems with Applications*, 38/6, 7151-7157.
(SCI – Q1 – CABS rating 3*)
Based on a supervised graduate thesis
<http://dx.doi.org/10.1016/j.eswa.2010.12.045> WOS:000288343900084
23. Yurdakul Erol S. and Topcu Y.İ. (2011) An Integrated Decision Aid for Identifying and Prioritizing Strategies in Forest Management, *Environmental Engineering and Management Journal*, 10/5, 683-695.
(SCI – Q3)
<http://dx.doi.org/10.30638/eemj.2011.092> WOS:000292409500012
24. Altay A., Kayakutlu G., and Topcu Y.İ. (2010) Win-Win match using a Genetic Algorithm, *Applied Mathematical Modelling*, 34/10, 2749-2762.
(SCI – Q1)
Based on a supervised graduate thesis
<http://dx.doi.org/10.1016/j.apm.2009.12.010> WOS:000278690300006
25. Çalışır F., Bayraktaroğlu A.E., Gümüşsoy Ç.A., Topcu Y.İ., and Mutlu T. (2010) The Relative Importance of Usability and Functionality Factors for Online Auction and Shopping Web Sites, *Online Information Review*, 34/3, 420-439.
(SCI, SSCI – Q2 – CABS rating 1*)
<http://dx.doi.org/10.1108/14684521011037025> WOS:000281276100004
26. Çiçek K., Çelik M., and Topcu Y.İ. (2010) An Integrated Decision Aid Extension to Material Selection Problem, *Materials & Design*, 31/9, 4398-4402. Short Communication
(SCI – Q1)
Based on my Ph.D. Thesis
<http://dx.doi.org/10.1016/j.matdes.2010.04.044> WOS:000279518900045
27. Burnaz Ş., Atakan S., and Topcu Y.İ. (2010) Have Ethical Perceptions Changed? A Comparative Study on the Ethical Perceptions of Turkish Faculty Members, *Journal of Academic Ethics*, 8, 137-151.
(ESCI – Q1)
<https://doi.org/10.1007/s10805-010-9115-y>
28. Karpak B. and Topcu Y.İ. (2010) Small Medium Manufacturing Enterprises in Turkey: An Analytic Network Process Framework for Prioritizing Factors Affecting Success, *International Journal of Production Economics*, 125/1, 60-70.
(SCI – Q1 – CABS rating 3*)
<http://dx.doi.org/10.1016/j.ijpe.2010.01.001> WOS:000278148100006
29. Kaya T., Aktaş E., Topcu Y.İ., and Ülengin B. (2010) Modeling Toothpaste Brand Choice: An Empirical Comparison of Artificial Neural Networks and Multinomial Probit Model, *International Journal of Computational Intelligence Systems*, 3/5, 674-687.
(SCI – Q2)
<http://dx.doi.org/10.1080/18756891.2010.9727732> WOS:000285930300010
30. Çelik M. and Topcu Y.İ. (2009) Analytical Modelling of Shipping Business Processes based on MCDM Methods, *Maritime Policy and Management*, 36/6, 469-479.
(SSCI – Q1 – CABS rating 2*)
Based on a supervised Ph.D. thesis
<http://dx.doi.org/10.1080/03088830903346038> WOS:000208057100001
31. Çelik M. and Topcu Y.İ. (2009) Use of an ANP to Prioritize Managerial Responsibilities of Maritime Stakeholders in Environmental Incidents: An Oil Spill Case, *Transportation Research Part D: Transport and Environment*, 14/7, 502-506. Notes and Comments
(SSCI – Q1 – CABS rating 3*)
Based on a supervised Ph.D. thesis

- <http://dx.doi.org/10.1016/j.trd.2009.05.008> WOS:000270344100009
32. Çelik M., Er İ.D., and Topcu Y.İ. (2009) Computer-Based Systematic Execution Model on Human Resources Management in Maritime Transportation Industry: The Case of Master Selection for Embarking on Board Merchant Ships, *Expert Systems with Applications*, 36/2, 1048-1060.
(SCI – Q1 – CABS rating 3*)
Based on a supervised Ph.D. thesis
<http://dx.doi.org/10.1016/j.eswa.2007.11.004> WOS:000262178000009
33. Burnaz Ş., Atakan S., Topcu Y.İ., and Singhapakdi A. (2009) An Exploratory Cross Cultural Analysis of Marketing Ethics: The Case of Turkish, Thai, and American Businesspeople, *Journal of Business Ethics*, 90/Sup.3, 371-382.
(SSCI – Q1 – CABS rating 3*)
<http://dx.doi.org/10.1007/s10551-010-0422-4> WOS:000279667200012
34. Önsel Ş., Ülengin F., Ulusoy G., Aktaş E., Kabak Ö., and Topcu Y.İ. (2008) A new perspective on the competitiveness of nations, *Socio-Economic Planning Sciences*, 42, 221-246.
(SSCI – Q1 – CABS rating 2*)
<https://doi.org/10.1016/j.seps.2007.11.001>
35. Kabak Ö., Ülengin F., Aktaş E., Önsel Ş., and Topcu Y.İ. (2008) Efficient shift scheduling in the retail sector through two-stage optimization, *European Journal of Operational Research*, 184/1, 76-90.
(SCI – Q1 – CABS rating 4*)
Based on a research project involved as consultant
<http://dx.doi.org/10.1016/j.ejor.2006.10.039> WOS:000250294300007
36. Tosun O.K., Güngör A., and Topcu Y.İ. (2008) ANP Application for Evaluating Turkish Mobile Communication Operators, *Journal of Global Optimization*, 42/2, 313-324.
(SCI – Q1)
Based on a term project of a submitted course
<https://doi.org/10.1007/s10898-007-9257-7> WOS:000258961000010
37. Atakan S., Burnaz Ş., and Topcu Y.İ. (2008) An Empirical Investigation of the Ethical Perceptions of Future Managers with a Special Emphasis on Gender – Turkish Case, *Journal of Business Ethics*, 82/3, 573-586.
(SSCI – Q1 – CABS rating 3*)
<http://dx.doi.org/10.1007/s10551-007-9577-z> WOS:000260008900005
38. Ülengin F., Önsel Ş., Topcu Y.İ., Aktaş E., and Kabak Ö. (2007) An Integrated Transportation Decision Support System for Transportation Policy Decisions: The Case of Turkey, *Transportation Research Part A: Policy and Practice*, 41/1, 80-97.
(SCI & SSCI – Q1 – CABS rating 3*)
Based on a research project involved as researcher
<https://doi.org/10.1016/j.tra.2006.05.010> WOS:00241179300008
39. Burnaz Ş. and Topcu Y.İ. (2006) A Multiple Criteria Decision Making Approach for the Evaluation of Retail Location, *Journal of Multi-Criteria Decision Analysis*, 14, 67-76
(ESCI – Q2 – CABS rating 1*)
Based on my Ph.D. Thesis
<https://doi.org/10.1002/mcda.401>
40. Topcu Y.İ. (2004) A Decision Model Proposal for Construction Contractor Selection in Turkey, *Building and Environment*, 39/4, 469-481.
(SCI – Q1)
Based on my Ph.D. Thesis
<https://doi.org/10.1016/j.buildenv.2003.09.009> WOS:000220123800010
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1. Önsel Ş., Ülengin F., Aktaş E., Kabak Ö., and Topcu Y.İ. (2007) Assesment of Countries based on Information. Chapter in the book titled "Sıtkı Gözlü'ye Armağan", Bayraktar D., Çebi F., Bolat B. (eds.), İstanbul, pp. 269-279.

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2. Burnaz Ş., Topcu Y.İ., and Ekin S. (2003), "Ethical Perceptions of Potential Future Managers" The 1st International Business and Professional Ethics Congress, September 17-19, Ankara, Turkey (proc. pp. 356-365).
3. Ülengin F., Topcu Y.İ. and Önsel Ş. (2000), "An Artificial Neural Network Approach to Multi-attribute Solution Method Selection" Operations Research / Industrial Engineering XXI National Congress, June 12-14, Gazi Mağusa, Turkish Republic of Northern Cyprus (proc. pp.88-91).
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CONTRIBUTION TO MANAGEMENT

- Member of Executive Committee of International Society on Multiple Criteria Decision Making (2015-2021)
- Member of Program Steering Committee of ITU Information Technologies in Construction Management (Non-Thesis) Graduate Program (2013-of 2018)
- Member of Faculty Board of ITU Faculty of Management (2014-2017)
- Member of Faculty Administrative Board of ITU Faculty of Management (2007-2011)
- Vice-coordinator of ITU Engineering Management Graduate Program (2005-2011)
- Coordinator of ITU Logistics and Supply Chain Management Certificate Program (2006-2009)
- Vice-coordinator of ITU Industrial Engineering Graduate Program (2006-2009)
- Coordinator of ITU European Union Center Erasmus Office Industrial Engineering Department (2004-2008)

CONTRIBUTION TO JOURNALS

As Guest Editor (International)

- Journal of Enterprise Information Management, 2020
Volume 33, Issue 5 (Special Issue: Multiple Criteria Decision Making)
Guest Editors: Emel Aktas, Ilker Topcu, Berk Kucukaltan
- International Journal of Analytic Hierarchy Process, 2020
Volume 12, No 1 (Special Issue: MCDM 2019 Special Topics Articles)
Guest Editors: Ilker Topcu, Özay Özaydın

As Editorial Member (International)

- International Journal of Analytic Hierarchy Process, 2013 -

As Reviewer (International)

- Transport Policy, 2020
- International Journal of Energy Research, 2020
- Optimization and Engineering, 2020
- Journal of Multi-Criteria Decision Analysis, 2020
- EURO Journal on Decision Processes, 2020
- International Journal of Analytic Hierarchy Process, 2020
- Transport Policy, 2019
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- Annals of Operations Research, 2018
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- Transportation Research Part C, 2010
- Decision Support Systems, 2009
- Computers & Industrial Engineering, 2008
- Energy – The International Journal, 2008
- European Journal of Operational Research, 2008
- Operational Research: An International Journal, 2008
- Energy – The International Journal, 2005
- International Journal of Management and Decision Making, 2004

As Reviewer (National)

- Yöneylem Araştırması Dergisi, 2005
- Gazi Üniversitesi Fen Bilimleri Dergisi, 2003

CONTRIBUTION TO CONFERENCES

Chair

- The 25th International Conference on Multiple Criteria Decision Making (MCDM2019) general conference chair, June 16-21, İstanbul, Turkey.

Committee member

- The 25th International Conference on Multiple Criteria Decision Making (MCDM2019) organizing committee member and scientific program committee member, June 16-21, İstanbul, Turkey.
- The 24th International Conference on Multiple Criteria Decision Making (MCDM2017) scientific program committee member, July 10-14, Ottawa, Ontario, Canada.
- The 14th Annual INFORMS Revenue Management & Pricing Section Conference program and organizational committee member, June 4-6, 2014, İstanbul, Turkey.
- The 8th International IFAC Symposium on “Computational Economics & Financial and Industrial Systems program committee member, October 9-11, 2007, İstanbul, Turkey.
- The 10th World Conference on Transport Research program and organizational committee member, July 4-8, 2004, İstanbul, Turkey.

- The 18th Operations Research / Industrial Engineering (YA/EM XVIII) National Congress organization committee member, October 1996, Istanbul, Turkey

Stream organizer

- The 31st European Conference on Operational Research (EURO 2021), “AHP/ANP” stream organizer, July 11-14, 2021, Athens, Greece (Hybrid Conference).
- The 16th International Symposium on the Analytic Hierarchy Process (ISAHP 2020), “Track 2: Government, Social Policy and Decision Making” track chair, 4 sessions, December 3-6, 2020, Pittsburgh, USA (Virtual Conference).
- The 29th European Conference on Operational Research (EURO 2018), “AHP/ANP” stream organizer, 7 sessions, July 8-11, 2018, Valencia, Spain.
- The 28th European Conference on Operational Research (EURO 2016), “AHP/ANP” stream organizer, 7 sessions, July 3-6, 2016, Poznan, Poland.
- The 23rd International Conference on Multiple Criteria Decision Making (MCDM 2015), “Integrated MCDM Applications” stream organizer, 4 sessions, August 2-7, 2015, Hamburg, Germany.
- The 27th Association of European Operational Research Societies - The Institute for Operations Research and the Management Sciences Joint International Conference (EURO MMXV), “AHP/ANP” stream organizer, 8 sessions, July 12-15, 2015, Glasgow, Scotland.
- The 13th International Symposium on the Analytic Hierarchy Process (ISAHP 2014), “Graduate Students” track chair, 2 sessions, June 29 - July 2, 2014, Washington D.C., USA.
- The 26th Association of European Operational Research Societies - The Institute for Operations Research and the Management Sciences Joint International Conference (EURO / INFORMS MMXIII), “AHP/ANP” stream organizer, 7 sessions, July 1-4, 2013, Rome, Italy.
- The 25th European Conference on Operational Research (EURO XXV), “AHP/ANP” stream organizer, 6 sessions, July 8-11, 2012, Vilnius, Lithuania.
- The 24th European Conference on Operational Research (EURO XXIV) “AHP/ANP” stream organizer, 14 sessions, July 11-14, 2010, Lisbon, Portugal.
- The 23rd European Conference on Operational Research (EURO XXIII) “AHP/ANP” stream organizer, 12 sessions, July 5-8, 2009, Bonn, Germany.
- The 22nd European Conference on Operational Research (EURO XXII) “AHP/ANP” stream organizer, 13 sessions, July 8-11, 2007, Prague, Czech Republic.

Session organizer

- INFORMS Annual Meeting 2019, “Decision Making and Data Driven Decision Models in Service Industry” session organizer, October 20-23, Seattle, Washington, USA.
- The 24th International Conference on Multiple Criteria Decision Making (MCDM2017), “Multi-Criteria Decision Support for Humanitarian Relief” session organizer, July 10-14, Ottawa, Ontario, Canada.
- The 22nd International Conference on Multiple Criteria Decision Making (MCDM 2013), “AHP/ANP Methodology and Applications” session organizer, June 17-21, 2013, Málaga, Spain.
- The 21st International Conference on Multiple Criteria Decision Making (MCDM 2011), “AHP/ANP” session organizer, June 13-17, 2011, Jyväskylä, Finland.

Session Chair

- The 25th International Conference on Multiple Criteria Decision Making (MCDM2019), Chairperson of the plenary session entitled “Voting with Intensity of Preferences” (June 16-21, Istanbul, Turkey)
- The 25th International Conference on Multiple Criteria Decision Making (MCDM2019), Chairperson of the session entitled “Business Applications of AHP/ANP” (June 16-21, Istanbul, Turkey)
- The 24th International Conference on Multiple Criteria Decision Making (MCDM2017), Chairperson of the session entitled “Multi-Criteria Decision Support for Humanitarian Relief” (July 10-14, Ottawa, Ontario, Canada)

- The 5th World Conference on Production and Operations Management, Chairperson of the session entitled “Decision Support Systems in Operations” (September 6-10, 2016, Havana, Cuba)
- The 23rd International Conference on Multiple Criteria Decision Making (MCDM 2015), Chairperson of the sessions entitled “Model Building”, 3 sessions (August 2-7, 2015, Hamburg, Germany)
- The 23rd International Conference on Multiple Criteria Decision Making (MCDM 2015), Chairperson of the session entitled “Integrated and Automated Decision Making” (August 2-7, 2015, Hamburg, Germany)
- The 13th International Symposium on the Analytic Hierarchy Process, Chairperson of the session entitled “Industrial Engineering Applications I” (June 29 - July 2, 2014, Washington D.C., USA).
- The 13th International Symposium on the Analytic Hierarchy Process, Chairperson of the session entitled “Supply Chain Management” (June 29 - July 2, 2014, Washington D.C., USA).
- The 13th International Symposium on the Analytic Hierarchy Process, Chairperson of the session entitled “Graduate presentations” (June 29 - July 2, 2014, Washington D.C., USA).
- The 26th Association of European Operational Research Societies - The Institute for Operations Research and the Management Sciences Joint International Conference (EURO / INFORMS MMXIII), Chairperson of the session entitled “AHP1” (July 1-4, 2013, Rome, Italy).
- The 25th European Conference on Operational Research (EURO XXV), Chairperson of the session entitled “Non-deterministic models” (July 8-11, 2012, Vilnius, Lithuania).
- The 25th European Conference on Operational Research (EURO XXV), Chairperson of the session entitled “AHP/ANP 4” (July 8-11, 2012, Vilnius, Lithuania).
- The 24th European Conference on Operational Research (EURO XXIV), Chairperson of the session entitled “AHP 4” (July 11-14, 2010, Lisbon, Portugal)
- The 23rd European Conference on Operational Research (EURO XXIII), Chairperson of the session entitled “AHP I” (July 5-8, 2009, Bonn, Germany)
- The 22nd European Conference on Operational Research (EURO XXII), Chairperson of the session entitled “ANP Applications II” (July 8-11, 2007, Prague, Czech Republic)
- The 17th International Conference on Multiple Criteria Decision Making, Chairperson of the session entitled “Applications with DEA” (August 6-11, 2004, Whistler, B.C., Canada)
- The 12th Mini EURO Conference, Chairperson of the session entitled “Aspects of Sustainability” (April 2-5, 2002, Brussels, Belgium)
- The 12th Mini EURO Conference, Chairperson of the session entitled “Ethics in OR” (April 2-5, 2002, Brussels, Belgium)

SUPERVISED THESES

Ph. D.

1. Özgün Kibiroğlu, Ç., “Uncapacitated Multiple Allocation Hub Location Problem under Congestion”, Istanbul Technical University, Graduate School of Science Engineering and Technology, 2019.
2. Nalbantoğlu B. “A Decision Model for Customer Order Prioritization and Facility Layout Design, A Case Study for Structural Steel Production in Construction Industry”, Istanbul Technical University, Graduate School of Science Engineering and Technology, 2018.
3. Gül S. “Ticari Banka Kredilerinin Değerlendirilmesine Yönelik Bir Karar Destek Modeli”, Istanbul Technical University, Graduate School of Science Engineering and Technology, 2017 (*jointly supervised with Assoc. Prof. Dr. Özgür Kabak*).
4. Başar A. “Banka Şubeleri İçin Uygun Yer Seçiminin Belirlenmesi”, Istanbul Technical University, Graduate School of Science Engineering and Technology, 2014 (*jointly supervised with Assoc. Prof. Dr. Özgür Kabak*).
5. Çınar Ünal D. “Newly proposed algorithms based on column generation and metaheuristics for flexible job shop scheduling problem” Istanbul Technical University, Graduate School of Science Engineering and Technology, 2013.
6. Çiçek K. “Gemi filo yönetiminde operasyonel risk kontrolü için bir karar verme yaklaşımı” Istanbul Technical University, Graduate School of Science Engineering and Technology, 2013.

7. Kandakoğlu A. "Harbe hazırlığın yönetimine yönelik bir karar destek sistemi" Istanbul Technical University, Graduate School of Science Engineering and Technology, 2012.
8. Özaydın O. "İstanbul ulaşım ağının kritik yapılarının önçeliklendirilmesi üzerine CBS tabanlı bir karar destek modeli" Istanbul Technical University, Graduate School of Science Engineering and Technology, 2012.
9. Saraçoğlu O. "Increased Enforcement of Foreign Corrupt Practices Act: Use of Artificial Neural Network for the Selection of Sales Intermediaries" Istanbul Technical University, Graduate School of Science Engineering and Technology, 2011.
10. Akgerman N., "Binek Otomobillerde CO₂ Emisyon Miktarının Azaltılmasına Yönelik Stratejilerin Analitik Ağ Süreci Bazlı Hedef Programlama Modeli ile Değerlendirilmesi", Istanbul Technical University, Graduate School of Science Engineering and Technology, 2010.
11. Çelik M., "An Integrated Decision Support System towards Risk-Based Analytical Modelling of Managerial Processes in Shipping Business", Istanbul Technical University, Graduate School of Science Engineering and Technology, 2009 (*jointly supervised with Assoc. Prof. Dr. Ata Bilgili*).

Graduate

1. Alnahhas A. "Hybrid Deep Multi-Criteria Recommender System Model", Istanbul Technical University, Graduate School, 2021.
2. Topcu Y. "Atık Su Arıtma Tesislerinin Ünitelerinin Esneklik Potansiyeline Dayalı Tüketim Optimizasyonu", Istanbul Technical University, Graduate School of Science Engineering and Technology, 2020.
3. Umut N. "Meteorolojik veri kullanılarak elektriksel arıza kestirimi yapılması proaktik onarım faaliyetleri için karar destek sistemi geliştirilmesi", Istanbul Technical University, Graduate School of Science Engineering and Technology, 2019.
4. Dinç S. "AHP ve TOPSİS yöntemlerini kullanarak tip 2 diyabet hastalığı için risk puanını hesaplama ve en iyi tedavi seçeneğini belirleme", Istanbul Technical University, Graduate School of Science Engineering and Technology, 2019.
5. Kadioğlu G. "Tüketicilerin Türkiye'deki Kahve Zincirlerini Tercihlerine Yönelik Bir Karar Destek Modeli", Istanbul Technical University, Graduate School of Science Engineering and Technology, 2017
6. Yeşilyurt C. "Hızlı Tüketim Ürünleri Sektöründe Analitik Ağ Süreci ile Reklam Mecrası Seçimi", Istanbul Technical University, Graduate School of Science Engineering and Technology, 2016 (*jointly supervised Prof. Dr. Şebnem Burnaz*)
7. Demirel T., "Yorgunluk Risk Yönetim Sistemi kapsamında Türkiye'deki bir Havayolu Şirketinde Analitik Ağ Süreci ile Risk Değerlendirme Yaklaşımı Uygulaması", Istanbul Technical University, Graduate School of Science Engineering and Technology, 2015.
8. İmamoğlu G. "Analitik Ağ Süreci ve PROMETHEE teknikleri ile Hastane Yeri Seçimi: Trabzon Örneği", Istanbul Technical University, Graduate School of Science Engineering and Technology, 2015.
9. Ekmekçi E. "Determining Appropriate Public Locations for Automated External Defibrillator (AED) Deployment: A Case Study in City of Valencia", Istanbul Technical University, Graduate School of Science Engineering and Technology, 2015.
10. Kavas S. "Konut Fiyatlarının Çok Kriterli bir Karar Destek Modeli ile Tahmin Edilmesi", Istanbul Technical University, Graduate School of Science Engineering and Technology, 2014.
11. Süerkan M. "Mağaza Yeri Seçimine Yönelik bir Karar Destek Modeli ve bir Uygulama", Istanbul Technical University, Graduate School of Science Engineering and Technology, 2014.
12. Kadioğlu D. "Türkiye'de Eğitimli Genç Mobil Telefon Kullanıcılarının Satın Alma Davranışlarına Etki Eden Faktörlerin Belirlenmesi ve Önceliklendirilmesine Yönelik Bir Karar Modeli", Istanbul Technical University, Graduate School of Science Engineering and Technology, 2013.
13. Tüzün S. "A Multi-Criteria Decision Model for the Evaluation of Emergency Department Performance", Istanbul Technical University, Graduate School of Science Engineering and Technology, 2012.
14. Cavlak E. "Online Alışveriş Sitesi Tercihlerinde Etkili Olan Kriterlerin Belirlenmesine ve Önceliklendirilmesine yönelik bir Karar Modeli", Istanbul Technical University, Graduate School of Science Engineering and Technology, 2012.

15. Tayşı Ş. "Türkiye'de Elektrik Üretiminde Kullanılacak Yakıt Türlerinin Değerlendirilmesine yönelik bir Karar Modeli" Istanbul Technical University, Graduate School of Science Engineering and Technology, 2012.
16. Gül S. "Turistik Faaliyetlerin Seçimine Yönelik Bir Çok Ölçütlü Karar Destek Modeli", Istanbul Technical University, Graduate School of Science Engineering and Technology, 2012.
17. Kadaifçi Ç. "Yolcuların Havalimanında Geçirdiği Zamanın Etkinliği ile İlgili Faktörlerin Değerlendirilmesi: bir Bulanık Bilişsel Harita Uygulaması", Istanbul Technical University, Graduate School of Science Engineering and Technology, 2011.
18. Yılmaz F. "Evaluating Product Portfolio Performance for a Manufacturing Company in the Automotive Industry", Istanbul Technical University, Graduate School of Science Engineering and Technology, 2010 (*jointly supervised Assoc Prof. Dr. Şebnem Burnaz*).
19. Varol T. "Ardışık Karar Verme Modelleri ve bir POMDP Uygulaması", Istanbul Technical University, Graduate School of Science Engineering and Technology, 2010.
20. Işık M. "A Decision Support System to Determine the Sport Sponsorship Response", Istanbul Technical University, Graduate School of Science Engineering and Technology, 2010.
21. Dursun P. "Zaman Pencere Araç Rotalama Problemi'nin Genetik Algoritma ile Modellenmesi", Istanbul Technical University, Graduate School of Science Engineering and Technology, 2009.
22. Rüstemoğlu S. "Futbol sektöründe bir karar destek modeli uygulaması", Istanbul Technical University, Graduate School of Science Engineering and Technology, 2009.
23. Kişioğlu P. "Telekomünikasyon Sektöründe İptal Analizi", Istanbul Technical University, Graduate School of Science Engineering and Technology, 2009.
24. Ermiş G. "Vakıflar için stratejik bir karar modelinin geliştirilmesi", Istanbul Technical University, Graduate School of Science Engineering and Technology, 2009.
25. Korkmaz E. "Deciding on RFID Tagging Level of Inventories", Istanbul Technical University, Graduate School of Science Engineering and Technology, 2008 (*jointly supervised Prof. Dr. Mehmet Tanyaş*).
26. Tinç K. "An Algebraic Approach to Sensitivity Analysis in Linear Programming", Istanbul Technical University, Graduate School of Science Engineering and Technology, 2007.
27. Altay A. "Genetik Algoritma ve Bir Uygulama", Istanbul Technical University, Graduate School of Science Engineering and Technology, 2007.
28. Şener Ö. "Comparison of FDI Receiving Capabilities of Turkey and Other EU Countries", Istanbul Technical University, Graduate School of Science Engineering and Technology, 2006.
29. Özaydın Ö. "Havayolu Çizelge Planlamasına Yönelik Bir Karar Destek Modeli", Istanbul Technical University, Graduate School of Science Engineering and Technology, 2005.
30. Özdemir F. "Depo Tasarım Sorunu Analizi: Bir Analitik Ağ Süreci Uygulaması", Istanbul Technical University, Graduate School of Science Engineering and Technology, 2004.
31. Pamukçu B. "Analitik Ağ Süreci ve Bir Uygulama", Istanbul Technical University, Graduate School of Science Engineering and Technology, 2003.

CONTRIBUTION TO EDUCATION

Courses

- "MHY530E Decision Making Techniques", Graduate, ITU Graduate School of Science Engineering and Technology (web.itu.edu.tr/topcuil/ya/MHY530E/)
Spring (2020-
Spring (2012-2018)
"MHY504E Managerial Decision Making", Graduate, ITU Graduate School of Science Engineering and Technology
Spring (2002-2006)
- "END331 Operations Research I" (in Turkish), Undergraduate, ITU Industrial Engineering Department (web.itu.edu.tr/topcuil/ya/END331/)
Spring (2019- (with Dr. Özgür Kabak)
Fall (2011-2018) (with Dr. Özgür Kabak)
Fall (2004-2011) (with Dr. Şule Önsel)
- "END332E Operations Research II", Undergraduate, ITU Industrial Engineering Department (web.itu.edu.tr/topcuil/ya/END332E/)

- Fall (2019- (with Dr. Özgür Kabak)
- Spring (2011-2018) (with Dr. Ozgur Kabak)
- Spring (2005-2011)
- “SEN301 Operations Research I”, Undergraduate, İTÜ-SIUE Joint Program (web.itu.edu.tr/topcuil/ya/SEN301/)
 - Fall (2019-
 - Spring (2019-2020)
 - Fall (2009-2018)
 - Spring (2016-2017)
 - Spring (2011-2012)
- “SEN313 Multiple Criteria Decision Making”, Undergraduate, İTÜ-SIUE Joint Program (web.itu.edu.tr/topcuil/ya/SEN313/)
 - Spring (2019-
 - Spring (2009-2018)
- “MHN502E Operations Research”, Graduate, ITU Graduate School of Science Engineering and Technology (web.itu.edu.tr/topcuil/ya/MHN502E/)
 - T1 (2019-
 - T1 (2001-2018)
- “IYB560E Executive and Group Decision Making in Construction Sector”, Graduate, ITU Institute of Informatics (web.itu.edu.tr/topcuil/ya/IYB560E/)
 - T2 (2020- (with Dr. Özgür Kabak)
 - T2 (2005-2016)
 - T2 (2003-2005) (with Dr. Fusun Ülengin)
- “ITY529 Decision Making” (in Turkish) Graduate, ITU Graduate School of Arts and Social Sciences (web.itu.edu.tr/topcuil/ya/ITY529/)
 - T3 (2019-2020)
 - T2 (2012-2017)
- “MBA567E Managerial Decision Making”, Graduate, ITU Graduate School of Arts and Social Sciences (web.itu.edu.tr/topcuil/ya/MBA567E/)
 - T2 (2019-2020)
 - T3 (2008-2016)
- “MBA567S Games and Decision Making”, Graduate, ITU Graduate School of Arts and Social Sciences
 - T3 (2005-2008) (with Dr. Benan Zeki Orbay)
- “IE582 Multi Criteria Decision Making”, Graduate, Özyeğin University, Vestel Program
 - T2 (2015-2016)
- “ITY512E Operations Research”, Graduate, ITU Graduate School of Arts and Social Sciences
 - T1 (2006-2012)
- “ISL354E Managerial Decision Making”, Undergraduate, ITU Management Engineering Department
 - Spring (2005-2010) (2005-2008: with Dr. Benan Z. Orbay, 2008-2009 with Dr. Dilay Çelebi, 2009-2010: with Dr. Tolga Kaya)
- “MHN521E Logistics Management”, Graduate, ITU Graduate School of Science Engineering and Technology
 - T3 (2005-2010) (with Dr. Füsün Ülengin)
- “END447 Network Models” (in Turkish), Undergraduate, ITU Industrial Engineering Department,
 - Fall (2003-2010)
- “ITY525SE Decision Support Systems”, Graduate, ITU Graduate School of Arts and Social Sciences
 - T2 (2006-2007) (with Dr. Ahmet Beşkeş)
- “END801 Fundamentals of Operations Research” (in Turkish), Graduate, ITU Graduate School of Science Engineering and Technology
 - Fall (2002-2006)
- “END417E Game Theory”, Undergraduate, ITU Industrial Engineering Department
 - Fall (2001-2005)

- “ISL500S Quantitative Decision Techniques”, Graduate, ITU Graduate School of Arts and Social Sciences
Spring (2002-2005)
- “ISL312 Operations Research II” (in Turkish), Undergraduate, ITU Management Engineering Department
Spring (2002-2003) (*with Dr. Demet Bayraktar*)
- “PET411 Operations Research” (in Turkish), Undergraduate, ITU Petroleum and Natural Gas Engineering Department Bölümü
Fall (2001-2003)
- “END328 Stochastic Processes” (in Turkish), ITU Industrial Engineering Department
Spring (2001-2002)
- “MAD222E Operations Research”, Undergraduate, ITU Mining Engineering Department
Spring (2000-2002)

Invited Presentations and Seminars

- “Multi-Criteria Decision Making”, Sabanci University, June 29, 2010 (Workshop in YA/EM 2010)
- “The Analytic Network Process”, Galatasaray University, Institute of Science and Technology, Istanbul, April 12, 2010 (Seminars in University)
- “A Workshop on Decision Making in a Complex World”, L’Ecole Nationale Supérieure de Génie Industriel (ENSGI), L’Institut National Polytechnique de Grenoble (INPG), Grenoble, France, May 22-25, 2007 (Socrates Erasmus Teaching Staff Mobility)
- “Decision Conferencing”, L’Ecole Nationale Supérieure de Génie Industriel (ENSGI), L’Institut National Polytechnique de Grenoble (INPG), Grenoble, France, May 22-25, 2007 (Socrates Erasmus Teaching Staff Mobility)
- “The Analytic Network Process”, Galatasaray University, Institute of Science and Technology, Istanbul, March 29, 2007 (Seminars in University)
- “The Analytic Network Process”, Sabanci University, Faculty of Engineering and Natural Sciences, İstanbul, December 28, 2005 (Seminars in University)
- “Transportation optimization”, International Week, KATHO – Katholieke Hogeschool Zuid-West-Vlaanderen, Kortrijk, Belgium, February 21-25, 2005 (Socrates Erasmus Teaching Staff Mobility)
- “Introduction to managerial decision making”, International Week, KATHO – Katholieke Hogeschool Zuid-West-Vlaanderen, Kortrijk, Belgium, February 21-25, 2005 (Socrates Erasmus Teaching Staff Mobility)

AWARDS

- “Excellence in Practice Award of Operations Research Society (YAD)”, Operations Research / Industrial Engineering XXXII National Congress (YA/EM), June 20-22, 2012, İstanbul, Turkey
- “Best Paper Award”, The 8th International Symposium on the Analytic Hierarchy Process (ISAHP), July 7-10, 2005, Honolulu, Hawai’i, USA

SCHOLARSHIP

- TÜBİTAK-BİDEB (The Scientific and Technological Research Council of Turkey - Directorate of Science Fellowships and Grant Programmes) 2219-International Postdoctoral Research Fellowship Programme: Support to visiting professorship at University of Pittsburgh, The Joseph M. Katz Graduate School of Business, USA (2018-2019)
- Tinçel Foundation’s scholarship: Support to visiting research at Leeds University Business School, UK (1998-1999)

MEMBERSHIPS

- Fenerbahçe Spor Kulübü
- MCDM (International Society on Multiple Criteria Decision Making)
- EWG-MCDA (EURO Working Group Multiple Criteria Decision Aiding)

- INFORMS Section on Multiple Criteria Decision Making
- Euro Working Group on Ethics and OR
- WCTRS (World Conference on Transport Research Society)
- YAD (Operations Research Society, Turkey)