

CURRICULUM VITAE

GÜNDÜZ ULUSOY

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Faculty of Engineering and Natural Sciences
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Istanbul, Turkey

PERSONAL

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Birth Date : June 1, 1947
Marital Status : Married, One son.
Nationality : Turkish

EDUCATION

Ph.D.in Operations Research, 1975
Department of Industrial Engineering and Operations Research, Virginia Tech, Virginia.

M.S. in Mechanical Engineering, 1972
Mechanical and Aerospace Sciences Department, University of Rochester, New York.

B.S.in Mechanical Engineering, 1970
Department of Mechanical Engineering, Robert College, Istanbul, Turkey.

FIELDS OF INTERESTS

Project and machine scheduling
Innovation and manufacturing strategy development
Operations and project management
Evolutionary algorithms

ACADEMIC AND RESEARCH POSITIONS

Professor (1999 - present)
Manufacturing Systems Engineering, Sabancı University.

Professor (1988-1999)
Industrial Engineering Department, Boğaziçi University.

Associate Professor (1982-1988)
Industrial Engineering Department, Boğaziçi University.

NATO Research Fellow (July - October 1982)
Department of Operational Research, Lancaster University, UK.

Assistant Professor (1976-1982)
Industrial Engineering Department, Boğaziçi University.

Operations Research Analyst (1976)

Operations Research Division, Marmara Scientific and Industrial Research Institute, Gebze, Turkey.

Instructor (Summer Sessions 1974 and 1975)

IEOR Department, Virginia Tech.

ADMINISTRATIVE EXPERIENCE

Member (2008-2009) Executive Committee of the TÜSİAD-Sabancı University Competitiveness Forum, Sabancı University

Member (2007-present) Standing Committee on Sustainable Competitiveness of the Manufacturing Industry, Office of the Prime Minister.

Founding Director (2003-2008) TÜSİAD-Sabancı University Competitiveness Forum, Sabancı University.

Founding Co-Director (2001-2004) Leaders for Industry Graduate Program, Sabancı University.

Founding Program Coordinator (1999-2003) Manufacturing Systems Engineering, Sabancı University.

Member (1999- present) Interuniversity Council of Turkey.

Member (1999- present) Academic Council of Sabancı University.

Chairman (1995 – 1997) Executive Committee of the Marmara Research Center.

Member (1995 – 1996) Executive Committee of the University-Industry Relations Council, Boğaziçi University.

Member (1993 – 1997) Executive Committee of the Turkish Scientific and Technical Research Council (TUBITAK).

Deputy Rector (1992- 1994) Boğaziçi University.

Member (1992– 1994) Boğaziçi University Senate.

Member (1986-1990) Executive Committee of the Institute for Graduate Studies in Science and Engineering, Boğaziçi University.

Chairman (1985-1993) Industrial Engineering Department, Boğaziçi University.

Member (1985-1993) Faculty Committee of the Engineering School, Boğaziçi University.

Graduate Advisor (1978-1984) (1985-1991) Industrial Engineering Department, Boğaziçi University.

Member (1981-1982) (1988-1990) Executive Committee of the Engineering School, Boğaziçi University.

Acting Chairman (1981-1982) Industrial Engineering Department, Boğaziçi University.

Member (1981-1982) Executive Committee of the Technology and Systems Research Institute, Boğaziçi University.

TEACHING EXPERIENCE (Course Areas and Level)

Scheduling and Sequencing (Graduate)

Manufacturing Systems Analysis (Graduate)

Manufacturing Strategies (Graduate)

Linear Programming (Graduate)

Nonlinear Programming (Graduate)

Integer Programming (Graduate)

Optimization Techniques (Graduate)

Stochastic Processes (Graduate)

Systems Modelling (Graduate)

Operations Management (Graduate)

Methods of Industrial Engineering (Graduate)

System Dynamics (Graduate)

Project Scheduling (Graduate and Undergraduate)

Production Planning and Control (Graduate and Undergraduate)

Production Engineering (Graduate and Undergraduate)

Network Theory (Graduate and Undergraduate)

Introduction to Manufacturing Systems Engineering (Undergraduate)

Project Management (Undergraduate)

Quality Management (Undergraduate)
Engineering Economy (Undergraduate)
Planning for Engineers (Undergraduate)
Mathematical Modelling (Undergraduate)
Stochastic Models in Operations Research (Undergraduate)
Operations Research (Undergraduate)

TEACHING AWARD

Recipient, Best Teacher Award, presented by the students of Boğaziçi University, 1980.

THESES/DISSERTATIONS SUPERVISED

Supervisor of 53 MS theses (1 continuing)
Supervisor of 6 PhD dissertations (1 continuing (Co-supervisor))

LABORATORIES FOUNDED

Computer Integrated Manufacturing Laboratory (Department of Industrial Engineering, Boğaziçi University)

Manufacturing Management Systems Laboratory (Department of Industrial Engineering, Boğaziçi University)

PROFESSIONAL EXPERIENCE

TUSIAD-KalDer National Quality Award Committee Chairperson (1998-2002).

TUSIAD-KalDer National Quality Award Jury Member (1994; 1998; 2003;2006, 2008).

Member of the National Quality Council (1992- 1994)

Technical Advisor (on sabbatical leave 1984-1985)
Division of Engineering
Arçelik Co., Istanbul, Turkey.

Consulting Work for:

Automotive Parts and Components Manufacturers' Association
White Goods Suppliers' Association
Turkish Cement Manufacturers' Association
Automotive Manufacturers' Association
Turkish Electronics Industrialists' Association
Machine Construction Association
Turkish Industrialists' and Businessmen's Association
Turkish Technology Development Fund
State Planning Agency
Döktaş Casting Co.
Arçelik Co.(manufacturer of durable household goods)
Asilçelik Co. (manufacturer of special steel)
T. Şişe-Cam Co. (manufacturer of glass and glassware)
İsilitaş Co. (distributor of petroleum products)
Istanbul Municipality Metropolitan Bus Transit Authority
Turkish Navy
Turkish Air Force
Yapı Merkezi Construction Co.
Department of Transportation

RECENT PAPER PUBLICATIONS IN REFEREED JOURNALS

- Kavlak, N., Ulusoy, G., Şerifoğlu, F.S., Birbil, Ş. İ., “Client-contractor bargaining on net present value in the context of a project with limited resources”, *Naval Research Logistics*, 56, 2, 93-112, 2009.
- Çetindamar, D., Ulusoy, G., “Innovation performance and partnerships in manufacturing firms in Turkey”, *Journal of Manufacturing Technology Management*, 19, 3, 332-345, 2008.
- Şahin, Ş.Ö., Ülengin, F., Ulusoy, G., Aktaş, E., Kabak, Ö., Topçu, Y.İ., “A new perspective in competitiveness of nations”, *Socio-Economic Planning Sciences*, 42, 4, 221-246, 2008.
- Kılıç, M., Ulusoy, G., Şerifoğlu, F.S., “A bi-objective genetic algorithm approach to risk mitigation in project scheduling”, *International Journal of Production Economics*, 112, 202-216, 2008.
- Şerifoğlu, F.S., Ulusoy, G., “Multiprocessor task scheduling in multi-stage hybrid flowshops: A genetic algorithm approach”, *Journal of the Operational Research Society*, 55,5, 504-512, 2004.
- Ulusoy, G., “An assessment of supply chain and innovation management practices in the manufacturing industries in Turkey”, *International Journal of Production Economics*, 86, 3, 251-270, 2003.
- Şerifoğlu, F. S., Ulusoy, G., “Multiprocessor task scheduling in multi-stage hybrid flowshops”, (in Turkish) *Endüstri Mühendisliği*, 13,4, 19-25, 2002.
- Ulusoy, G., İkiz, İ., Benchmarking best manufacturing practices: a study into four sectors of the Turkish industry, *International Journal of Operations and Production Management*, 21, 1020-1043, 2001.
- Ulusoy, G., Şahin, Ş., Şerifoğlu, F.S., “Four payment programs for the multi-mode resource-constrained project scheduling problem with discounted cash flows”, *Annals of Operations Research*, 102, 237-261, 2001.
- Ulusoy, G., Payzın, E., Kaylan, A.R., “New product development process in Turkish electronics industry”, (in Turkish), *Elektrik Mühendisliği*, 40, 410, 40-44, 2001.
- Ulusoy, G., Özgür, A., Bilgiç, T., Kaylan, A.R., Payzın, E., A study on technology management process: The parts and components suppliers in the Turkish automotive industry, *Technology Management*, 5, 245-260, 2001.
- Ulusoy, G., Özgür, A., Bilgiç, T., Kaylan, A.R., Payzın, E., “A study on technology management process: The parts and components suppliers in the Turkish automotive industry”, (in Turkish) *Mühendis ve Makina*, 489, 17-28, 2000.
- Şerifoğlu, F.S., Ulusoy, G., Şahin, Ş., “A genetic algorithm approach for maximizing discounted cash flow in resource constrained project scheduling”, (in Turkish) *Endüstri Mühendisliği*, 11, 2, 2-12, 2000.
- Ulusoy, G., Cebelli, S., “A genetic algorithm approach to determine the payment structure in resource constrained project scheduling problem: a bidding model”, *European Journal of Operational Research*, 127, 262-278, 2000.
- Şerifoğlu, F.S., Ulusoy, G., "Parallel machine scheduling with earliness and tardiness penalties", *Computers and Operations Research*, 26, 773-787, 1999.
- Özdamar, L., Ulusoy, G., Bayyığıt, M., "A heuristic treatment of tardiness and net present value criteria in resource constrained project scheduling", *International Journal of Physical*

- Distribution & Logistics Management*, 28, 805-824, 1998.
- Şerifoğlu, F.S., Ulusoy, G., "A bicriteria 2-machine permutation flowshop problem", *European Journal of Operational Research*, 107, 414-430, 1998.
- Ulusoy, G., Şerifoğlu, F.S., Bilge, Ü., "A genetic algorithm approach to the simultaneous scheduling of machines and automated guided vehicles", *Computers and Operations Research*, 24, 335 – 351, 1997.
- Özdamar, L., Ulusoy, G., "An iterative local constraint based analysis for solving the resource constrained project scheduling problem", *Journal of Operations Management*, 14, 193 – 208, 1996.
- Ulusoy, G., Özdamar, L., "A framework for an interactive project scheduling system under limited resources", *European Journal of Operational Research*, 90, 362 – 375, 1996.
- Özdamar, L., Ulusoy, G., "A note on an iterative forward/backward scheduling technique with reference to a procedure by Li and Willis", *European Journal of Operational Research*, 89, 400–407, 1996.
- Bilge, Ü., Ulusoy, G., "A time window approach to simultaneous scheduling of machines and material handling system in an FMS", *Operations Research*, 43, 1058–1070, 1995.
- Ulusoy, G., Özdamar, L., "A heuristic scheduling algorithm for improving a project's duration and net present value", *International Journal of Operations and Production Management*, 15, 89–98, 1995.
- Ulusoy, G., Yazgaç, T., "Joint decision making for production and marketing", *International Journal of Production Research*, 33, (8), 2277-2293, 1995.
- Özdamar, L., Ulusoy, G., "A survey on the resource-constrained project scheduling problem", *IIE Transactions*, 27, 574–586, 1995.
- Ulusoy, G., Özdamar, L., "A constraint based perspective in resource constrained project scheduling", *International Journal of Production Research*, 32, 693-705, 1994.
- Ulusoy, G., Uzsoy, R., "A robust strategy approach to a strategic mobility problem", *European Journal of Operational Research*, 79, 266–276, 1994.
- Özdamar, L., Ulusoy, G., "A local constraint based analysis approach to project scheduling under general resource constraints", *European Journal of Operational Research*, 79, 287–298, 1994.
- Ulusoy, G., Bilge, Ü., "Simultaneous scheduling of machines and automated guided vehicles", *International Journal of Production Research*, 31, 2857-2873, 1993.
- Ulusoy, G., Uzsoy, R., "Computer-aided process planning and MRP: First steps towards CIM", *Interfaces*, 22, 76-86, 1992.
- Ulusoy, G., Or, I., Soydan, N., "Design and implementation of a maintenance planning and control system", *International Journal of Production Economics*, 24, 263-272, 1992.
- Ulusoy, G., Or, I., Soydan, N., "Implementation of a maintenance planning and control system", (in Turkish), *Endüstri Mühendisliği*, 4, 19, 12-22, 1992.

RECENT PAPER PUBLICATIONS IN PROCEEDINGS

- Ulusoy, G., Günday, G., Kılıç, K., Alpkan L., "An empirical study into the determinants of innovativeness in manufacturing firms", *Proceedings of the 3rd International Conference on August*, 2009

Innovation, Technology and Knowledge Economics, Ankara, 2009.

- Ulusoy, G., Günday, G., Alpkan L., Kılıç, K., “Effects of organizational innovations on firm’s production performance”, *Proceedings of the 2008 IEEE International Conference on Industrial Engineering and Engineering Management*, 321-325, Piscataway, New Jersey, 2008. (Also appeared as REF 01/2009, TUSIAD-Sabancı University Competitiveness Forum, Istanbul, 2009).
- Günday, G., Ulusoy, G., Kılıç, K., Alpkan L., “Modeling innovation: Drivers of innovativeness and its impacts on firm performance”, *Proceedings of 4th IEEE International Conference on Management of Innovation & Technology (ICMIT)*, 766-771, Piscataway, New Jersey, 2008. (Also appeared as REF 07/2008, TUSIAD-Sabancı University Competitiveness Forum, Istanbul, 2008).
- Günday, G., Ulusoy, G., Kılıç, K., Alpkan L., “An integrated innovation model: how innovations are born and what are their impacts on firm performance?”, *Proceedings of the 15th European Operations Management Association (EUROMA) Conference*, 92-101, Groningen, 2008. (Also appeared as REF 06/2008, TUSIAD-Sabancı University Competitiveness Forum, Istanbul, 2008).
- Ulusoy, G., Çetindamar, D., Yeğenoğlu, H., Bulut, Ç., “An empirical study on the competitiveness and innovation in four sectors of the Turkish manufacturing industry”, *Proceedings of 14th International Annual EurOMA Conference*, 438-447, Ankara, 2007. (Also appeared as REF 05/2007, TUSIAD-Sabancı University Competitiveness Forum, Istanbul, 2007.)
- Ulusoy, G., Yeğenoğlu, H., “Innovation performance and competitive strategies in the Turkish manufacturing industry”, *Proceedings of the 8th International Research Conference on Quality Innovation and Knowledge Management*, 907-915, New Delhi, India, 2007. (Also appeared as REF 04/2007, TUSIAD-Sabancı University Competitiveness Forum, Istanbul, 2007.)
- Çetindamar, D. and Ulusoy, G., "Innovation performance and partnerships", 2nd European Management of Technology Conference, 2006.
- Kekre, S., Sarpcı, E.B., Ulusoy, G., Altıntaş, N., “Value creation by Turkish enterprises”, PICMET Conference, *Proceedings CD*, 1547-1558, Istanbul, 2006. (Also appeared as REF 02/2006, TUSIAD-Sabancı University Competitiveness Forum, Istanbul, 2006.)
- Kılıç, M., Ulusoy, G., Sivrikaya Şerifoğlu, F., “A bi-objective genetic algorithm approach to project scheduling under risk”, *Proceedings of the International Conference on Industrial Engineering and Systems Management*, IESM 2005, Marrakech, 2005.
- Kavlak, N., Ulusoy, G., Birbil, Ş. İ., Şerifoğlu, F.S., “Client-contractor bargaining on net present value in the context of a project with limited resources”, *Proceedings of the 35th Int. Conf. on Comp. and Ind. Eng.*, Durmuşoğlu, B. and Kahraman, C. (Eds.), 1, 1109-1114, Istanbul, Turkey, 2005.
- Kılıç, M., Ulusoy, G., Şerifoğlu, F. S., “A bi-objective genetic algorithm approach to project scheduling under risk”, (in Turkish) *Proceedings of the 24th National Conference on Operations Research and Industrial Engineering*, R. Erol, T. Dereli, and A. Baykasoğlu (Eds.), 79-81, Gaziantep-Adana, 2004.
- Kılıç, M., Ulusoy, G., Şerifoğlu, F. S., “A bi-objective genetic algorithm approach to project scheduling under risk”, *Proceedings*, Ninth International Workshop on Project Management and Scheduling, Oulamara A., Portmann M-C. (Eds.), 58-61, Nancy, 2004.
- Ulusoy, G., “Competitive manufacturing strategies for the manufacturing industries in Turkey”, *Proceedings*, EUROMA-POMS Meeting, 313-322, Cernobbio, Lake Como, 2003.

- Denizel, M., Arıkan, Y., Ulusoy, G., Çatay, B., "Conceptual design of an e-marketplace for SMEs in the Turkish machinery industry", *Proceedings, The Fifth International Conference on Electronic Commerce Research (ICECR-5)*, Montreal, 2002.
- Şerifoğlu, F. S., Ulusoy, G., "A genetic algorithm for multiprocessor task scheduling in multistage hybrid flow-shops", *Proceedings, Eighth International Workshop on Project Management and Scheduling*, 334-337, Valencia, 2002.
- Ulusoy, G., "Results from sectoral benchmarking studies: Quality issues in the Turkish manufacturing industries", *Proceedings of the 45th EOQ Congress*, 243-249, Istanbul, 2001.
- Ulusoy, G., İkiz, İ., "Business excellence and its impact on business results", (in Turkish) *Proceedings of the 9th National Congress on Quality*, 484-491, Istanbul, 2000.
- Ulusoy, G., Özgür, A., Bilgiç, T., Payzın, E., Kaylan, A.R., "Technology management process of the part and component suppliers in the Turkish automotive industry", *Proceedings of the 6th International Product Development Management Conference*, 1047-1062, Cambridge, U.K., 1999.
- Ulusoy, G., İkiz, İ., "Benchmarking best manufacturing practices: A study into four sectors of the Turkish industry", *Proceedings of the GMRG Meeting*, Madrid, Spain, 1999.
- Karaosmanoğlu, A. P., Altay, G., Ulusoy, G., "Risk management and its level of usage in the Turkish construction industry", (in Turkish) *Proceedings of the National Conference on Project Management*, 219-228, Istanbul, 1999.
- Ulusoy, G., Şerifoğlu, F.S., Cebelli, S., "A genetic algorithm approach to determine the payment structure in resource constrained project scheduling problem: a bidding model", *Proceedings of the 6th International Workshop on Project Management and Scheduling*, 130, Istanbul, 1998.
- Ulusoy, G., Şerifoğlu, F.S., "A genetic algorithm approach for hybrid flowshops", *Proceedings of the 6th International Workshop on Project Management and Scheduling*, 313, Istanbul, 1998
- Ulusoy, G., İkiz İ., Özgür A., "A study into competitive strategies and operations management practices in the Turkish cement industry: an overview of survey findings", *Operations Management: Future Issues and Competitive Responses*, 489-494, Dublin, 1998.
- Ulusoy, G., İkiz İ., "Supply function and relations with suppliers in supply chain management", (in Turkish) *Production and Enterprise Resource Planning and Total Productive Maintenance Meeting*, 116-132, Istanbul, 1998
- Ulusoy, G., "R&D strategies in firms and R&D project management", (in Turkish) *R&D Support Program Evaluation Meeting*, Turkish Scientific and Technical Research Council, 1-16, Istanbul, 1998.
- Payzın E., Ulusoy G., Kaylan A. R., Akova B., "New product development capabilities of the Turkish electronics industry", *Proceedings of the 5th International Product Development Management Conference*, 863-876, Como, 1998.
- Payzın, E., Ulusoy, G., Kaylan, A.R., Akova, B., "New product development capabilities of the Turkish electronics industry" , *Proceedings of the Portland International Conference on Management of Engineering and Technology - PICMET '97*, 481, Portland, Oregon, July, 1997.
- Şerifoğlu, F.S., Ulusoy, G., "A new uniform order-based crossover operator for multi-component combinatorial optimization problems", *Late Breaking Papers at the Genetic Programming 1996 Conference* , 160 – 166, Stanford, July, 1996.
- Kaynak, O., Kaykayoğlu, R., Ulusoy, G., "International conference on technology management : August, 2009

University / industry / government collaboration – UnIG '96", *Congress Proceedings* , World Congress of Engineering Educators and Industry Leaders, Vol. III., 127 – 130, 1996.

Ulusoy, G., Şerifoğlu, F.S., "A genetic algorithm approach to the simultaneous scheduling of machines and automated guided vehicles", (in Turkish) *Proceedings* , The First Turkish Symposium on Intelligent Manufacturing Systems, 230– 242, Sakarya, May, 1996.

Şerifoğlu, F. S., Ulusoy, G., "Branch and bound approaches to a bicriteria 2–machine permutation flowshop problem", *Proceedings* , Fifth International Workshop on Project Management and Scheduling, 220–223, Poznan, 1996.

Ulusoy, G., Özdamar, L., "An intelligent interactive framework for project management", *Proceedings*, Fourth International Workshop on Project Management and Scheduling, 72-74, Leuven, 1994.

Ulusoy, G., Ümit, B., "Simultaneous scheduling of machines and automated guided vehicles in an FMS", *Proceedings*, Second International Conference on Automation, Robotics, and Computer Vision, IA-1,1.1-1.5, Singapore, September 1992.

Ulusoy, G., Özdamar, L., "Local constraint based analysis in job shop scheduling with tardiness objectives", *Preprints*, IFAC Workshop on Automatic Control for Quality and Productivity, 259 - 270, ITU, Istanbul, June, 1992.

Ulusoy, G., Bilge, U., "Simultaneous scheduling of machines and material handling system in an FMS", *Preprints*, IFAC Workshop on Automatic Control for Quality and Productivity, 15- 25, ITU, Istanbul, June, 1992.

PAPER AWARD

Ulusoy, G., Kocaydın, L. "Production planning in textile industry", (in Turkish) **Best Applied Paper Award at Ninth National Conference on Operations Research**, Istanbul, 1984.

RECENT WORKING PAPERS (not published)

Alpkan, L., Bulut, C., Günday, G., Ulusoy, G., Kılıç, K., "Organizational support for intrapreneurship and its interaction with human capital to enhance innovative performance", Working Paper, Sabancı University, Istanbul, 2009 (under review, *Management Decision*).

Günday, G., Ulusoy, G., Kılıç, K., Alpkan, L., "Determining the factor structure of an integrated innovation model", Working Paper, Sabancı University, Istanbul, 2009.

Günday, G., Ulusoy, G., Kılıç, K., Alpkan, L., "Impact of innovation strategies on operations priorities and corporate performance in manufacturing firms", Working Paper, Sabancı University, Istanbul, 2009 (under review, *Industry and Innovation*).

Günday, G., Ulusoy, G., Kılıç, K., Alpkan, L., "Integrated innovation model: Which factors drive innovation and what are the impacts of innovation on firm performance?" (in Turkish) Working Paper, Sabancı University, Istanbul, 2009. (under review, *Endüstri Mühendisliği*).

Alpkan, L., Bulut, C., Günday, G., Ulusoy, G., Kılıç, K., "The role of human capital in the relationship between corporate entrepreneurship and organizational innovative performance", Working Paper, Sabancı University, Istanbul, 2008.

Günday, G., Ulusoy, G., Kılıç, K., Alpkan, L., "Effects of innovation on firm performance", Working Paper, Sabancı University, Istanbul, 2008-updated 2009

Altuğ Fayda S. N., Ulusoy, G., Meydanlı, İ. İ., "Design of post project analysis and risk management processes for R&D projects", Working Paper, Sabancı University, Istanbul, 2003.

Ulusoy, G., Karabulut, K., "Determination of the bundle price for digital information goods", Working Paper, Sabancı University, Istanbul, 2003.

Ulusoy, G., "Competitive manufacturing strategies for the manufacturing industries in Turkey", Working Paper, Sabancı University, Istanbul, 2003.

Akova, B., Ulusoy, G., Payzın, E., Kaylan, A.R., "An integrated new product development model for the Turkish electronics industry", Working Paper, Sabancı University, Istanbul, 2003.

BOOKS

Turksen, I., Asai, K., Ulusoy, G. (Co-Editor), *Computer Integrated Manufacturing: Current Status and Challenges*, Springer Verlag, Berlin, 1988.

Ulusoy, G., Pak, C., *A Mathematical Programming Package: LP-PLP-QP-BB-MIF*, Boğaziçi University Publication, Istanbul, 1982.

Ulusoy, G., Kasaroğlu, M., *Introduction to a Network Optimization Package - NETPACK*, Boğaziçi University Publication, Istanbul, 1981.

BOOK CHAPTERS

Bülbül, K., Ulusoy, G., Şen, A., "Classic Transportation Problems", Chapter 16, *Logistics Engineering Handbook*, Don Taylor (Ed.), CRC Press, 2008.

Ulusoy, G., "Multidisciplinary Research and Education", (in Turkish) in *Higher Education in an Age of Change*, Coşkun Can Aktan (Ed.), 389-398, Yaşar University, İzmir, 2007.

Ulusoy, G., "Resource Constrained Project Scheduling", (in Turkish) in *Yöneylem Araştırması – Halim Doğrusöz'e Armağan*, M. Köksalan, N. Erkip (Eds.), Chapter 6, 89-128, Ankara, 2000.

PROCEEDINGS EDITED /CO-EDITED

Ulusoy, G., Öz, S., Karaata, S., Ararat, M., Yurtoğlu, B., Yeğenoğlu, H., (Editors), *Global Competitiveness Report Turkey 2006*, (in Turkish) TUSIAD-Sabancı University Competitiveness Forum, Istanbul, 2006.

Ulusoy, G., et al. (Co-Editor), *Proceedings of the Sixth International Workshop on Project Management and Scheduling*, Boğaziçi University Publication, Istanbul, 1998.

Kaynak, O., Kaykayoğlu, R., Ulusoy, G., (Editors) *International Conference On Technology Management : University / Industry / Government Collaboration – UnIG '96*, UNESCO Chair on Mechatronics, Boğaziçi University, Istanbul, 1996.

Ulusoy, G. (Editor) , *ATAS – Boğaziçi University Science Conference* , (in Turkish) Boğaziçi University Foundation Publications, İstanbul, 1994.

Ulusoy, G. (Editor), *Boğaziçi University Research and Publication Inventory 1982–1992*, (in Turkish), Boğaziçi University Publications, İstanbul, 1994.

Ulusoy, G., et al. (Co-Editor), *Proceedings of the 6th Turkish National Conference on OR*, (in Turkish), Turkish OR Society Publication, Istanbul, 1983.

Ulusoy, G. et al. (Co-Editor), *Proceedings of the 5th Turkish National Conference of OR*, (in Turkish), Turkish OR Society Publication, Istanbul, 1981.

Ulusoy, G. et al. (Co-Editor), *Proceedings of the 4th Turkish National Conference of OR*, (in Turkish), Turkish OR Society Publication, Istanbul, 1981.

Ulusoy, G. et al., (Co-Editor), *Proceedings of the 3rd Turkish National Conference of OR*, (in Turkish), Turkish OR Society Publication, Istanbul, 1980.

RECENT TECHNICAL REPORTS

Ulusoy, G., Günday, G., Kılıç, K., Alpkan, L., “*Innovation Models and Applications in Manufacturing Industry – Executive Summary*”, (in Turkish) REF 03/2008, TUSIAD-Sabancı University Competitiveness Forum, Istanbul, 2008.

Öz, S., Ulusoy, G., Kılıç, K., Önsel, Ş., Ülengin F., *Turkey: An Emerging Economy Towards Full Membership To The EU*, REF 02/2008, TUSIAD-Sabancı University Competitiveness Forum, Istanbul, 2008.

Yeğenoğlu, H., Ulusoy G., *Innovations in Manufacturing 2006/07 – Executive Summary*, (in Turkish), REF 01/2008, TUSIAD-Sabancı University Competitiveness Forum, Istanbul, 2008.

Ulusoy, G., Günday, G., Kılıç, K., Alpkan, L., “*Innovation Models and Applications in Manufacturing Industry*”, (in Turkish), Final Report - SOBAG-105K105, Turkish Scientific and Technical Research Council (TUBITAK), Istanbul, 2008.

Ulusoy G., Yeğenoğlu, H., *Innovations in Manufacturing 2006/07 – Executive Summary*, REF 13/2007, TUSIAD-Sabancı University Competitiveness Forum, Istanbul, 2007.

Ulusoy, G., “Quality: A must for competitiveness”, (in Turkish) in *Quality Atlas of Turkey*, Turkish Quality Association, 28-57, Istanbul, 2007 (Also appeared as REF 09/2007, TUSIAD-Sabancı University Competitiveness Forum, Istanbul, 2007).

Ulusoy, G., Yeğenoğlu, H., “Innovation in the Turkish Manufacturing Sector”, (in Turkish) in *Global Competitiveness Report Turkey 2006*, 115-149, TUSIAD-Sabancı University Competitiveness Forum, Istanbul, 2006.

Ulusoy, G., Çetindamar, D., Akın, H.B., Bulut, Ç., Yeğenoğlu, H., *Production Management in Metal Sector*, Innovation in Turkish Manufacturing Industries Study Report, TUSIAD-Sabancı University Competitiveness Forum, August 2006.

Ulusoy, G., Çetindamar, D., Akın, H.B., Bulut, Ç., Yeğenoğlu, H., *Modernization of Manufacturing*, (in Turkish) Innovation in Turkish Manufacturing Industries Study Report, TUSIAD-Sabancı University Competitiveness Forum, August 2006.

Ulusoy, G., Çetindamar, D., Akın, H.B., Bulut, Ç., Yeğenoğlu, H., *Manufacturing Systems Technologies*, (in Turkish) Innovation in Turkish Manufacturing Industries Study Report, TUSIAD-Sabancı University Competitiveness Forum, June 2006.

Ulusoy, G., Çetindamar, D., Akın, H.B., Bulut, Ç., Yeğenoğlu, H., *Management Technologies and Human Resources*, (in Turkish) Innovation in Turkish Manufacturing Industries Study Report, TUSIAD-Sabancı University Competitiveness Forum, May 2006.

Ulusoy, G., Çetindamar, D., Akın, H.B., Bulut, Ç., Yeğenoğlu, H., *R&D, New Product Development, Innovation*, (in Turkish) Innovation in Turkish Manufacturing Industries Study Report, February 2006.

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Ulusoy, G., Çetindamar, D., Akın, H.B., Bulut, Ç., Yeğenoğlu, H., *Quality Management*, (in Turkish) Innovation in Turkish Manufacturing Industries Study Report, TUSIAD-Sabancı University Competitiveness Forum, October 2005.

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- Ulusoy, G., "An evaluation of the machine manufacturing sector in Turkey", (in Turkish) *Turkishtime Sectors*, August – September 2003.

GRANTS AND FUNDED PROJECT WORK

- Innovation Models and Applications in Manufacturing Industry*, funded by Turkish Scientific and Technological Research Council, 2006-2007. (Project Director)
- Strategy Development for SME’s in Clusters*, funded by Leonardo da Vinci Project Program of European Commission, 2004 -2006.
- Competitiveness Forum Project*, funded by Turkish Industrialists’ and Businessmen’s Association, 2003-2008. (Project Director)
- Project Analysis and Development Methodology*, funded by LOGO Business Solutions, 2002-2003. (Project Director)
- Competitiveness Strategies, Business Excellence And E-Business Strategies in the Machine Manufacturing Sector in Turkey*, funded by Turkish Industrialists’ and Businessmen’s Association, Association of Machine Manufacturers, Turkish Technology Development Foundation, 2001-2002. (Project Director)
- An Assessment of Benchmarking Studies in the Turkish Manufacturing Industries*, funded by Turkish Industrialists’ and Businessmen’s Association, 1999-2000. (Project Director)
- Fostering Entrepreneurship in Europe*, UNICE Competitiveness Working Group, UNICE, Brussels, 1999.
- Competitiveness Strategies and Business Excellence in the Turkish Appliance Sector Parts and Components Suppliers’ Industry*, funded by Turkish Industrialists’ and Businessmen’s Association, Istanbul, 1998-1999. (Project Director)
- Benchmarking Europe's Competitiveness: From Analysis to Action*, UNICE Competitiveness Working Group, UNICE, Brussels, 1998.
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- Framework Benchmarking: A Pilot Study for Nine Provinces*, funded by Turkish Industrialists’ and Businessmen’s Association, 1997-1998. (Project Director)
- New Product Development Capability of the Turkish Electronics Industry*, funded by Turkish

Technology Development Foundation, 1996-1998.

Genetic Algorithm Development for Parallel Machine Scheduling, funded by Boğaziçi University Research Fund, 1996-1998. (Project Director)

Competitive Strategies and Best Practices: Turkish Electronics Industry, funded by Turkish Industrialists' and Businessmen's Association, 1996-1997. (Project Director)

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Competitive Strategies and Best Practices: Turkish Automotive Industry, funded by Turkish Industrialists' and Businessmen's Association, 1996-1997. (Project Director)

Manufacturing Resources Planning (MRP II) Application and Development, funded by Boğaziçi University Research Fund, 1992- 1994 (Project Director).

Computer Integrated Manufacturing at Laboratory Scale, funded by State Planning Organization, 1991- 1995 (Project Director).

Follow-Up Study on Maintenance and Production Planning, funded by Döktaş Casting Co., 1991 (Project Director).

Development of a Manufacturing Simulation Lab, funded by Boğaziçi University Research Fund, 1990-1991 (Project Co-Director).

Production Planning, funded by Döktaş Casting Co., 1989-1990 (Project Director).

Quality Cost Determination, funded by T. Şişe - Cam Glass Manufacturing Co., 1989 (Project Director).

A Computerized Maintenance Planning System, funded by Döktaş Casting Co., 1988-1989 (Project Director).

Financial Information System, funded by Asilçelik Steel Co., 1987-1989. (Project Director).

The Estimation and Analysis of Travel Demand for an Extended Metro Service in Istanbul, funded by Yapı Merkezi Construction Co., 1987-1988 (Project Director).

Manufacturing Information System, funded by Asilçelik Steel Co., 1985-1988 (Project Director).

Computer Aided Process Planning, funded by Arçelik Co., 1985-1986 (Project Director).

Die Shop Scheduling, funded by Arçelik Co., 1985 (Project Director).

Assembly Line Balancing, funded by Arçelik Co., 1985 (Project Director).

Project Planning and Control for the Naval Academy Campus Construction, funded by Turkish Navy, 1982-1983 (Project Director).

Bottleneck Routing, funded by Turkish Air Force, 1979-1980 (Project Director).

Istanbul Metropolitan Area Bus Planning Project, funded by Istanbul Municipality, 1978-1981 (Project Co-Director).

Keban Dam Lake Transportation Study, funded by Department of Transportation, 1977-1978.

ISILITAS Reorganization and Distribution Planning, funded by ISILITAS Fuel Oil Distribution Co., 1976.

JOURNAL EDITORSHIP

Associate Editor (2005- present)
Journal of Operations and Logistics

Associate Editor (1993 – present)
Transactions on Operational Research (Turkish and English; formerly *Turkish Journal of Operational Research*).

Associate Editor (1981-2000)
European Journal of Operational Research (EJOR).

Contributing Editor (1978-1992)
International Abstracts in Operational Research.

Chief Editor (1980-1985)
Turkish Journal of Operational Research (Turkish and English).

GUEST EDITORSHIP FOR JOURNAL SPECIAL ISSUES

Guest Editor, Special Issue on Project Scheduling, *Annals of Operations Research*, (together with W. Herroelen), 102,1, 2001.

Guest Editor, Special Issue on Project Management, *European Journal of Operational Research*, (together with S. Karabatı), 127, 2, 2000.

Guest Editor, Special Issue on Technology Management: University / Industry / Government Collaboration, *Industry and Higher Education* , (with O. Kaynak), 10, (6), 1996.

JOURNALS FOR WHICH PAPERS HAVE BEEN REFEREED

Operations Research
Management Science
OMEGA
European Journal of Operational Research
Journal of the Operational Research Society
International Transactions in Operations Research
International Journal of Production Research
Networks
Naval Research Logistics
International Journal of Production Economics
Journal of Operations Management
International Journal of Operations and Production Management
Computers and Operations Research
IIE Transactions
Transportation Science
Journal of Operations and Logistics
Transactions on Operational Research (formerly Turkish Journal of Operational Research)
Industrial Engineering Journal (Turkish)

INVITATIONS FOR PLENARY TALKS AT CONFERENCES

Yeditepe International Research Conference on Business Strategies, Yeditepe University, İstanbul, June 2008.

European Operations Management Conference, Bilkent University, Ankara, June 2007.

The 24th National Conference on Operations Research and Industrial Engineering, Çukurova University, Adana, July 2004.

INTERNATIONAL CONFERENCE ORGANIZATIONS

Global Manufacturing Research Group (GMRG) 2004 Meeting, Sabancı University, July 7-9, 2004, Istanbul, (Chair of Host Committee).

International Workshop on Project Management and Scheduling, EURO Working Group on Project Management and Scheduling, 2000/2002/2004/2006/2008 (Program Committee Member).

XVI IASP World Conference on Science & Technology Parks, IASP and Marmara Research Center, August 31 - September 4, 1999, Istanbul (Chair, Scientific Committee).

Sixth International Workshop on Project Management and Scheduling, EURO Working Group on Project Management and Scheduling, 7 -9 July, 1998, Istanbul (Director).

Information Systems in Logistics and Transportation Conference, IFORS SPC7, Gothenburg, Sweden, 1997 (Program Committee Member)

International Conference on Technology Management: University / Industry / Government Collaboration , June 24–26, 1996, Istanbul (Program Co–Chair).

Fifth International Workshop on Project Management and Scheduling, April 11-13, 1996, Poznan, Poland (Program Committee Member)

Association of Turkish-American Scientists-Boğaziçi University Science Conference, 19-21 July, 1993, Istanbul (Member of Organizing Committee).

International Conference on Modelling and Simulation, June 29-July 1, 1988, Istanbul (Co-Chair).

NATO Advanced Study Institute on Computer Integrated Manufacturing: Current Status and Challenges, August 31-September 12, 1987, Istanbul (Co-Director).

The Second International Symposium on Forecasting, June 6-9, 1982, Istanbul (Co-Chair).

NATIONAL CONFERENCE ORGANIZATIONS

Congress on Competitiveness 2007, SEDEFED and TUSIAD-Sabancı University Competitiveness Forum, Istanbul, November 8, 2007 (Co-Chair).

Congress on Competitiveness 2006, SEDEFED and TUSIAD-Sabancı University Competitiveness Forum, Istanbul, November 8, 2006, Istanbul (Co-Chair).

Congress on Competitiveness 2005, SEDEFED and TUSIAD-Sabancı University Competitiveness Forum, Istanbul, November 8, 2005 (Co-Chair).

Collaboration in Automotive Industry: Industrial Design and Product Development, TUSIAD-Sabancı University Competitiveness Forum, October 22, 2004, Istanbul (Chair).

Workshop on Opportunities for Strategic Alliances between Manufacturers and Suppliers in the Automotive Industry, TUSIAD-Sabancı University Competitiveness Forum, September 25-26, 2003, Istanbul (Chair).

Third National Project Management Congress, Istanbul Project Management Association and Sabancı University, April 12-13, 2001, Istanbul (Co-Chair).

The First Turkish Symposium on Intelligent Manufacturing Systems , May 30 – 31, 1996, August, 2009

Sakarya, Turkey (Member, Advisory Committee).

The Fifteenth National Conference on Operations Research and Industrial Engineering, July 7-9, 1993, Istanbul (General Chairman).

The Fourteenth National Conference on Operations Research and Industrial Engineering, June 17-19, 1991, Istanbul (Member, Organizing Committee).

Industrial Engineering '88, November 2-4, 1988, Istanbul (Member, Program Committee).

The Eleventh National Conference on Operations Research, September 23-25, 1987, Istanbul (Member, Organizing Committee).

The Ninth National Conference on Operations Research, June 26-28, 1984, Istanbul (Member, Organizing Committee).

The Second National Conference on Operations Research, June 16-18, 1976, Ankara (Member, Organizing Committee).

MEMBERSHIPS AND ADMINISTRATIVE POSITIONS HELD IN PROFESSIONAL SOCIETIES

Member (1998 - present)
Turkish Quality Association

Member (1990-present)
INFORMS (formerly ORSA).

Member (1986-present)
Turkish Machine Design and Manufacturing Society

Member (1976-present)
Turkish Operational Research Society

Executive Committee Member (1998 - 2002)
Turkish Quality Society

Member (1997 - present)
Turkish Quality Society Advisory Council

Executive Committee Member (1994 – 1998)
Turkish Industrial Management Society

Executive Committee Member (1976-1989)
Vice President (1981-1989)
Turkish Operational Research Society

MEMBERSHIPS AND ADMINISTRATIVE POSITIONS HELD IN COMMUNITY ORGANIZATIONS

Member (1987-present)
Boğaziçi University Alumni Association (BÜMED)

Founding Member (1995 – present)
Turkish Informatics Foundation

Founding Member (1994 – present)
Science Foundation

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Member of the Board (1994 – 2000)
Elginkan Foundation

Member of the Scholarship Board (1993 – 1995)
Boğaziçi University Foundation

Member of the Academic Board (1993 – 1996)
Boğaziçi University Foundation

Executive Committee Member (1988-1991)
Boğaziçi University Alumni Association (BÜMED)