

FUNDA SIVRIKAYA SERIFOGLU

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EDUCATION

1991-1997 **Ph.D., Industrial Engineering, Bogazici University, Istanbul**

Dissertation: “A New Uniform Order-Based Crossover Operator for Genetic Algorithm Applications to Multi-component Combinatorial Optimization Problems”

1989-1990 **M.Sc., Engineering-Economic Systems, Stanford University, California, USA**

This program is based on a series of basic notions like decision analysis, dynamic systems analysis, economy, optimization and uncertainty. The emphasis is on engineering and problem solving.

1984-1989 **B.Sc., Industrial Engineering, Bogazici University, Istanbul**

This department provides an engineering curriculum based on basic topics such as operations research, production planning, project management, simulation and quality control.

ACADEMICAL ACHIEVEMENTS AND FELLOWSHIPS

- Full professor, March 2006.
- Associate Professorship in Operations Research, November 30, 2000.

- Scientific Publication Award of TUBITAK (Turkish Scientific and Technological Research Foundation) for the paper titled “A bi-objective genetic algorithm approach to risk mitigation in project scheduling” in April 2008.
- Scientific Publication Award of TUBITAK for the paper titled “Multiprocessor task scheduling in multistage hybrid flow-shops: a genetic algorithm approach” in June 2004.
- Scientific Publication Award of TUBITAK for the paper titled “Four payment models for the multi-mode resource constrained project scheduling problem with discounted cash flows” in February 2002.
- Scientific Publication Award of TUBITAK for the paper titled “Parallel machine scheduling with earliness and tardiness penalties” in September 1999.
- Scientific Publication Award of TUBITAK for the paper titled “A genetic algorithm approach to the simultaneous scheduling of machines and automated guided vehicles” in May 1997.
- Fahir İlkel Fellowship for Doctoral Research, Bogazici University Foundation, July 1995-June 1997.
- Student Travel Fellowship for Genetic Programming Conference, Stanford, July 1996.
- TEV (Turkish Education Foundation) Fellowship for graduate study at Stanford University, 1989-1990.
- Valedictorian among 1300 graduates of Bogazici University in July 1989.
- DAAD (German Academic Exchange Service) Fellowship for undergraduate study in Germany, 1984 (declined to attend Boğaziçi University).
- PAD (German Pedagogical Exchange Service) Summer Fellowship for an investigation trip in several cities and schools of Germany, Summer 1983.

PUBLICATIONS

Publications in peer-reviewed international journals cited by SSCI-E and SSCI

Kavlak, N., Ulusoy, G., Sivrikaya Şerifoğlu, F. and Birbil, Ş.İ. “Client-contractor bargaining on net present value in project scheduling with limited resources”, *Naval Research Logistics*, 56(2), 93-112, 2009.

Ruiz, R., Sivrikaya Şerifoğlu, F. and Urlings, T. “Modelling realistic hybrid flexible flowshop scheduling problems”, *Computers and Operations Research*, 35, 4, 1151-1175, 2008.

Kılıç, M., Ulusoy, G. and Sivrikaya Şerifoğlu, F., “A biobjective genetic algorithm approach to project scheduling under risk”, *International Journal of Production Economics*, 112, 1, 202-216, 2008.

Sivrikaya Serifoglu, F. and Ulusoy, G., “Multiprocessor task scheduling in hybrid flowshops: a genetic algorithm approach”, *Journal of Operational Research Society*, 55, 504-512, 2004.

Ulusoy, G., Sivrikaya Serifoglu, F., and Sahin, S., “Four payment models for the multi-mode resource constrained project scheduling problem with discounted cash flows”, *Annals of Operations Research*, 102, 237-261, 2001.

Sivrikaya Serifoglu, F., and Ulusoy, G., “Parallel machine scheduling with earliness and tardiness penalties”, *Computers and Operations Research*, 26, No.8, 773-787, 1999.

Sivrikaya Serifoglu, F., and Ulusoy, G., “A bicriteria two-machine permutation flowshop problem”, *European Journal of Operational Research*, 107, 414-430, 1998.

Ulusoy, G., Sivrikaya Serifoglu, F., and Bilge, Ü., “A genetic algorithm approach to the simultaneous scheduling of machines and automated guided vehicles”, *Computers and Operations Research*, 24, No.4, 335-351, 1997.

Publications in proceedings of international conferences

Aras, N., Korugan, A., Sivrikaya Şerifoğlu, F., Büyüközkan, G., Erol, İ., Nurtanış Velioglu, M., “Network design for recycling IT-based electronic waste in Turkey”, *Proceedings of 15th International Working Seminar on Production Economics*, Pre-prints Volume 2, 39-50, Innsbruck, Austria, March 3-7, 2008

- Nurtanış Velioğlu, M., Büyüközkan, G., Erol, İ., Aras, N., Sivrikaya Şerifoğlu, F., Korugan, A., “Reverse Supply Chain Management: The Case of Turkey”, *Proceeding of 5th International Logistics & Supply Chain Congress*, Okan University and Logistics Association Publication (ISBN: 978-605-0007-01-5), 508-515, 2007.
- Ruiz, R., Sivrikaya Şerifoğlu, F., and Urlings, T. “An evolutionary approach to realistic hybrid flexible flowshop scheduling problems”, *Proceedings of the Tenth International Workshop on Project Management and Scheduling*, 306-312, Ponzan, Poland, April 26-28, 2006.
- Kavlak, N., Ulusoy, G., Birbil, I. and Sivrikaya Şerifoğlu, F. “Client-contractor bargaining on net present value in the context of a project with limited resources”, *Proceedings of the 35th International Conference on Computers and Industrial Engineering*, 1109-1114, Istanbul, Turkey, June 19-22, 2005.
- Ruiz, R. and Sivrikaya Şerifoğlu, F., “On solving realistic scheduling problems”, *7th Workshop on Models and Algorithms for Planning and Scheduling Problems MAPSP 2005*, 235-238, University of Siena, Italy, June 6-10, 2005.
- Kılıç, M., Ulusoy, G. and Sivrikaya Şerifoğlu, F., “A biobjective genetic algorithm approach to project scheduling under risk”, *Proceedings of the Ninth International Workshop on Project Management and Scheduling* (eds. Oulamara A., Portmann M-C.), 58-61, Nancy, France, April 26-28, 2004.
- Sivrikaya Serifoglu, F. and Tiryaki, I., “Multiprocessor task scheduling in multi-stage hybrid flowshops: A simulated annealing approach“, *Proceedings of the 2nd International Conference on Responsive Manufacturing*, (ed. Baykasoglu, A. and Dereli, T.), 270-274, Gaziantep, Turkey, June 26-28, 2002.
- Sivrikaya Serifoglu, F. and Ulusoy, G., “A genetic algorithm for multiprocessor task scheduling in multi-stage hybrid flowshops”, *Proceedings of the Eighth International Workshop on Project Management and Scheduling* (ed. Valls V., Gonzalez F.B., Lino M.P., Perez M.A., Quintanilla M.S.), 334-337, Valencia, Spain, April 3-5, 2002.
- Ulusoy, G., Sahin, S. and Sivrikaya Serifoglu, F., “Three different payment programs for the multi-mode resource constrained project scheduling problem with discounted cash flows: A genetic algorithm approach”, *Proceedings of the Seventh International Workshop on Project Management and Scheduling* (ed. Brucker, P., Heitmann, S., Hurink, J. ve Knust S.), 278-281, Osnabrück, Germany, April 17-19, 2000.
- Ulusoy, G., Sivrikaya Şerifoğlu, F. and Cebelli, S., “A genetic algorithm approach to determine the payment structure in resource constrained project scheduling problem:A bidding model”, *Proceedings of the Sixth International Workshop on Project*

Management and Scheduling (ed. Barbarosoğlu, G., Karabatı, S., Özdamar, L. ve Ulusoy, G.), 130, Istanbul, Turkey, July 7-9, 1998.

Sivrikaya Serifoglu, F. and Ulusoy, G., “Branch and bound approaches to a bicriteria 2-machine permutation flowshop problem”, *Proceedings of the Fifth International Workshop on Project Management and Scheduling*, 220-223, Poznan, Poland, April 11-13, 1996.

Sivrikaya Serifoglu, F. and Ulusoy, G., “A new uniform order-based crossover operator for multi-component combinatorial optimization problems”, *Genetic Programming Conference, Late Breaking Papers*, (ed. Koza J.R.), 160-166, Stanford, California, July 28-31, 1996.

Koyutürk, T., Sivrikaya, F., and Kaylan, A. R., “Computer aided facility layout design: A multigoal approach”, *Proceedings of the Fourth International Symposium on Computer and Information Sciences* (Ed. A. Dogac and E. Gelenbe), 997-1008, Cesme, İzmir, October 30 – November 1, 1989.

Presentations in international conferences

Ruiz, R. ve Sivrikaya Şerifoğlu, F., “A realistic hybrid flexible flowshop scheduling problem”, *The 35th International Conference on Computers and Industrial Engineering*, Istanbul, Turkey, June 19-22, 2005.

Ruiz, R. and Sivrikaya Şerifoğlu, F., “Solving realistic hybrid flexible flowshop scheduling problems”, *e-Proceedings of International Conference on Industrial Engineering and System Management IESM'05*, Book 1, 173-182, Marakech, Morocco, May 16-19, 2005.

Kılıç, M., Ulusoy, G. and Sivrikaya Şerifoğlu, F., “A biobjective genetic algorithm approach to project scheduling under risk”, *e-Proceedings of International Conference on Industrial Engineering and System Management IESM'05*, Book 2, 819-828, Marakech, Morocco, May 16-19, 2005.

Sivrikaya Serifoglu, F. “Experiences from a development planning project for the city of Duzce”, *EURO/INFORMS Joint International Meeting 2003*, Istanbul, July 6-10, 2003.

Ulusoy, G., Sivrikaya-Serifoglu, F., ve Bilge, U. “A genetic algorithm approach to the simultaneous scheduling of machines and automated guided vehicles”, *INFORMS'95, ORSA/TIMS Conference*, New Orleans, ABD, October 29-November 1, 1995.

Publications in peer-reviewed national journals

Nurtanış Veliođlu M.(in the name of the 105K154 TÜBİTAK Project Group) “Geleceđe sürdürülebilirlik çerçevesinden bir bakış: Tersine tedarik zinciri yönetimi” (“An overview to future from the perspective of sustainability: Reverse supply chain management”), *Pazarlama ve İletişim Kültürü Dergisi (Marketing and Communication Culture Journal)*, 4-11, Summer 2008 (2008/3).

“Geleceđe Sürdürülebilirlik Çerçevesinden Bir Bakış: Tersine Tedarik Zinciri Yönetimi”, *Pİ:Pazarlama ve İletişim Kültürü Dergisi*, Yaz 2008 (2008/3).

Eser, U., Köse, S. and Sivrikaya Şerifođlu, F., “Türkiye Sanayi Cođrafyasına Genel Bir Bakış: İl İmalat Sanayileri 2000 Yılı Kesit Analizi” (“An overview of the Turkish industrial geography: Across-sectional analysis of the manufacturing industry in 2000”), *Ekonomik Yaklaşım (Economical Approach)*, V:17 (59), 1-63, 2006.

Erol, I., Nurtanış Veliođlu, M., and Sivrikaya Şerifođlu, F., “AB uyum yasaları ve sürdürülebilir kalkınma bağlamında tersine tedarik zinciri yönetimi: Türkiye’ye yönelik araştırma fırsatları ve önerileri” (“Reverse supply chain management in the context of EU harmonization laws and sustainable development: Research opportunities and propositions for Turkey”), *İktisat İşletme ve Finans (Economy Management and Finance)*, Vol. 244, 86-106, July 2006.

Sivrikaya Serifoglu, F. and Ulusoy, G. “Çok işlemcili işlerin, çok katmanlı paralel işlemcili akış atölyelerinde çizelgelenmesi” (“Scheduling multiprocessor tasks in multi-stage hybrid flowshops”), *Endüstri Mühendisliđi Dergisi (Transactions on Operations Research)*, 13, No.4, 19-25, 2002.

Sivrikaya Serifoglu, F., Ulusoy, G. and Sahin, S., “Kaynak kısıtlı proje çizelgelemede indirgenmiş nakit akışı maksimizasyonu için bir genetik algoritma yaklaşımı” (“A genetic algorithm approach to maximize the discounted cash flow in resource constrained project scheduling”), *Endüstri Mühendisliđi Dergisi (Transactions on Operations Research)*, 11, No.2, 2-12, 2000.

Publications in proceedings of national conferences

Nurtanış Veliođlu M., Erol, İ., Büyüközkan, G., Sivrikaya Şerifođlu, F., Aras, N. and Korugan, A., “Türkiye’de Tersine Tedarik Zinciri Yönetimi Uygulamalarının Sektörel Düzeyde İncelenmesi” (“A Sectoral Investigation of Reverse Supply Chain Management Applications in Turkey”), *Proceedings of XXIVth National Conference on Operations Research and Industrial Engineering*, Galatasaray University, İstanbul, June 30 –July 02, 2008.

Kılıç M., Ulusoy, G. and Sivrikaya Serifoglu, F., “A biobjective genetic algorithm approach to project scheduling under risk”, *Proceedings of XXIVth National Conference*

on Operations Research and Industrial Engineering (ed. A. Baykasoğlu, T. Dereli ve R. Erol), 79-81, Gaziantep-Adana, June 15-18, 2004.

Sivrikaya Serifoglu, F., “An RCPSp approach to multiprocessor task scheduling in hybrid flowshops”, *Proceedings of XXIVth National Conference on Operations Research and Industrial Engineering* (ed. A. Baykasoğlu, T. Dereli ve R. Erol), 482-484, Gaziantep-Adana, June 15-18, 2004.

Sivrikaya Serifoglu, F. and Ulusoy, G., “Çok işlemcili işlerin çok katmanlı paralel işlemcili akış atölyelerinde çizelgelenmesi” (“Scheduling multiprocessor tasks in multi-stage hybrid flowshops”), *Proceedings of XXIIIrd National Conference on Operations Research and Industrial Engineering*, 51-52, Istanbul, July 3-5, 2002.

Ulusoy, G., Sivrikaya Serifoglu, F. and Sahin, S., “Kaynak kısıtlı proje çizelgelemede üç farklı ödeme programı için indirgenmiş nakit akışının ençoklanması” (“Maximization of discounted cash flows for three different payment programs in resource constrained project scheduling”), *Proceedings of XXIst National Conference on Operations Research and Industrial Engineering* (ed. F.C. Çetinkaya), 218-221, Kıbrıs, July 12-14 , 2000.

Ulusoy, G., Sahin, S. and Sivrikaya Serifoglu, F., “Kaynak kısıtlı proje çizelgelemede indirgenmiş nakit akışı maksimizasyonu için bir genetik algoritma yaklaşımı” (“A genetic algorithm approach to the maximization of discounted cash flows in the resource constrained project scheduling problem”), *Proceedings of XXth National Conference on Operations Research and Industrial Engineering*, s.178, Kara Harp Okulu, Ankara, July 8-9, 1999.

Ulusoy, G., Sivrikaya Serifoglu, F., and Bilge, Ü., “A genetic algorithm approach to the simultaneous scheduling of machines and automated guided vehicles”, *Proceedings of the First National Symposium on Intelligent Manufacturing Systems* (ed. Özbayrak, M., Taşkın, H. and Öztemel, E.), 438-461, Sapanca, May 30-31, 1996.

Presentations in national conferences

Ruiz R. and Sivrikaya Şerifoğlu, F., “A hybrid flexible flowshop scheduling problemi”, *XXVth National Conference on Operations Research and Industrial Engineering*, Koç University, Istanbul, July 4-6, 2005.

Kavlak, N., Ulusoy, G., Birbil, I. and Sivrikaya Şerifoğlu, F., “Çok modlu, kaynak kısıtlı bir projede iş sahibi ve müteahhitin pazarlık sürecinin modellenmesi” (“Modelling the negotiation process between the client and contractor in a multimode resource constrained project”), *XXVth National Conference on Operations Research and Industrial Engineering*, Koç University, Istanbul, July 4-6, 2005.

- Eser, U and Sivrikaya Şerifoğlu, F. “Yerel Bir Kalkınma Stratejisi Örneği: Bolu ve Düzce İl Gelişme Planları” (“An example for local development strategy: Province Development Plans for Bolu and Duzce”), 8. *National Social Sciences Conference*, METU Culture and Congress Center, Ankara, December 3-5, 2003.
- Eser, U., Kose, S. and Sivrikaya Şerifoğlu, F. “Türkiye Sanayi Coğrafyasına Genel Bir Bakış: İl İmalat Sanayileri 2000 Yılı Kesit Analizi” (“A general evaluation of the Turkish industrial geography: A crosssectional analysis of the manufacturing industries of provinces in 2000”) , 8. *National Social Sciences Conference*, METU Culture and Congress Center, Ankara, December 3-5, 2003.
- Şerifoğlu, F. and Ulusoy, G. “Çok bileşenli kombinatoriyal problemler için yeni bir sıralama-temelli çaprazlama operatörü” (“A new order-based crossover operator for multi-component combinatorial optimization problems”), *XVIIIth National Conference on Operations Research and Industrial Engineering*, Askeri Müze ve Kültür Sitesi Komutanlığı Salonları, Harbiye, İstanbul, October 23-25,1996.

Books, Reports

Düzce Province Development Plan, Governor’s Office of Düzce, 2004.

Project coordinator and the writer of the Plan. The project is a pioneering one in Turkey and is conducted by a team of academicians from Abant İzzet Baysal University in cooperation with local authorities and with the technical support of the State Planning Organization. The Plan is based on reports of nine sub-projects. It is approved by the State Planning Organization and published in book format by the Office of the Governor, Düzce.

Sectoral Report on Industry, Düzce Province Development Plan, 2005 (together with Uğur Eser).

Member of the sub-project on the industrial sector in Düzce and co-writer of the report. The report is published in book format by the Office of the Governor, Düzce.

Proceedings of the Symposium on Post-Disaster Restructuring (ed. F. Sivrikaya Şerifoğlu), March 21-22, 2003, Düzce.

Working papers

Sivrikaya Şerifoğlu, F., “Non-technical issues affect project success: Experiences from a pioneering development planning project for the province of Düzce, Turkey”, Working Paper, Abant İzzet Baysal University, Department of Management, 1998.

Sivrikaya Serifoglu, F., “A new uniform order-based crossover for concurrent consideration of sequencing and selection problems”, Working Paper, Abant Izzet Baysal University, Department of Management, 1998.

ONGOING RESEARCH

- A genetic algorithm approach to hybrid flexible flowshop scheduling problems (together with Ruben Ruiz and Thijs Urlings)
- Collection Network Design for Recycling IT-based Electronic Waste in Turkey (together with Necati Aras, Aybek Korugan, Gülçin Büyüközkan, İsmail Erol, Meltem Nurtanış Velioğlu)
- Exploring Reverse Supply Chain Management Practices in Turkey (together with İsmail Erol, Meltem Nurtanış Velioğlu, Nigar Demircan Çakar, Gülçin Büyüközkan, Necati Aras ve Aybek Korugan)
- TUBITAK Project 105K154
- NGO projects

INTERNATIONAL CONFERENCES ATTENDED

PMS 2008 *The Eleventh International Workshop on Project Management and Scheduling, İstanbul, Turkey, April 28-30, 2008*

PMS 2006 *The Tenth International Workshop on Project Management and Scheduling, Ponzan, Poland, April 26-28, 2006*

CIE 2005 *The 35th International Conference on Computers and Industrial Engineering, June 19-22, 2005*

IESM'05 *International Conference on Industrial Engineering and System Management, Marrakech, Morocco, May 16-19, 2005*

PMS 2004 *The Ninth International Workshop on Project Management and Scheduling, Nancy, France, April, 26-28, 2004*

EURO/INFORMS Joint International Meeting 2003 , Istanbul, July 6-10, 2003

(presented paper: “Experiences from a development planning project for the city of Duzce”, Sivrikaya Serifoglu, F.)

- SYMPOSIUM ON POST-DISASTER RESTRUCTURING 2003**, Duzce, March 21-22, 2003
(presented paper: “Duzce City Development Planning Project”, Sivrikaya Serifoglu, F.)
- EUROPEAN RESEARCH 2002** *The Launch Conference of the 6th Framework Program of the European Union*, Brussels, Belgium, 11-13 November 2002
- ICRM-2002** *2nd International Conference on Responsive Manufacturing*, Gaziantep, Turkey, June 26-28, 2002
- PMS’2002** *The Eighth International Workshop on Project Management and Scheduling*, Valencia, Spain, April 3-5, 2002
- IMS’2001** *3rd International Symposium on Intelligent Manufacturing Systems*, Sakarya University, August 30-31, 2001
- PMS’2000** *The Seventh International Workshop on Project Management and Scheduling*, Osnabrück, Germany, April 17-19, 2000
- PMS’96** *The Fifth International Workshop on Project Management and Scheduling*, Poznan, Poland, April 11-13, 1996.
- GP’96** *The First International Conference on Genetic Programming*, Stanford, USA, July 28-31, 1996.
- INFORMS’95** *ORSA/TIMS Conference*, New Orleans, USA, 29 October-1 November 1995
(presented paper: “A genetic algorithm approach to the simultaneous scheduling of machines and automated guided vehicles”, Ulusoy, G., Sivrikaya Serifoglu, F., and Bilge, Ü.)

NATIONAL CONFERENCES ATTENDED

- UAS’07 NATIONAL SYMPOSIUM ON PRODUCTION RESEARCH** Gazi University,
Ankara, November 15-17, 2007
- 16. NATIONAL QUALITY CONGRESS** Lutfi Kırdar Conference Center, Istanbul, November
12-14, 2007

CONFERENCE ON CHINA, Sabancı Center, Istanbul, December 8, 2006

TUBITAK-TUSIAD Conference on Science and Research towards EU Membership, Hotel
The Marmara, Taksim, Istanbul, September 8, 2006

LEAN SUMMIT 2005 Lütfi Kırdar Conference Center, Istanbul, December 5-6, 2005

YA/EM 2005 *XXIVth National Conference on Operations Research and Industrial
Engineering*, Koç University, Istanbul, July 4-6, 2005.

13. NATIONAL QUALITY CONGRESS Lütfi Kırdar Conference Center, Istanbul, November
24-25, 2004

YA/EM 2004 *XXIVth National Conference on Operations Research and Industrial
Engineering*, Gaziantep and Adana, June 15-18, 2004

1. SUSTAINABLE DEVELOPMENT CONFERENCE, Lütfi Kırdar Conference Center,
Istanbul, January 14, 2004

8. NATIONAL SOCIAL SCIENCES CONGRESS, Middle East Technical University,
Culture and Congress Center, Ankara, December 3-5, 2003
(presented paper: “A general look at the Turkish industrial geography: A
sectional analysis of provincial manufacturing industry sectors as of the year
2000”, together with U. Eser and S. Köse)

THIRD MERSIN ECONOMICAL FORUM, Mersin, October 28, 2003 (an organization
within the THIRD MERSIN UNIVERSITY DAYS, October 27-31, 2003)

12. NATIONAL QUALITY CONGRESS Lütfi Kırdar Conference Center, Istanbul, October
13-15, 2003

SIXTH FRAMEWORK PROGRAM, TURKISH LAUNCH CONFERENCE Lütfi Kırdar
Conference Center, Istanbul, April 25, 2003

YA/EM’2002 *XXIIIrd National Conference on Operations Research and Industrial
Engineering*, Istanbul, July 3-5, 2002

IV. TECHNOLOGY CONFERENCE *Innovation and R&D for Global Competition*, swissotel,
Istanbul, May 21, 2002

- DINAMIKLER** *2001 IIIrd National Conference on Project Management*, Lütfi Kırdar International Congress and Exhibiton Center, Istanbul, 2001
- YA/EM'2000** *XXIst National Conference on Operations Research and Industrial Engineering*, Kıbrıs, June 12-14, 2000
- YA/EM'96** *XVIIIth National Conference on Operations Research and Industrial Engineering*, Harbiye Askeri Müzesi, Istanbul, October 23-25, 1996
- ZIS'96** *First National Symposium on Intelligent Manufacturing Systems*, Sapanca, May 30-31, 1996

CONFERENCE / SEMINAR ORGANIZATIONS

- *PMS 2008 11th International Workshop on Project Management and Scheduling*, co-chair of the organization committee and member of the program committee, Istanbul, April 2008
- *University-Industry Cooperation – The Stanford Case*, seminar given by Prof. William F. Miller (Founding President of Nanostellar Inc., Herbert Hoover Professor of Public and Private Management Emeritus, Professor of Computer Science Emeritus at Stanford University, President Emeritus of SRI International, President and CEO Emeritus of Borland Software Corporation), January 24, 2008, Düzce
- UAS'07 National Symposium On Production Research November 15-17, 2007, Gazi University, Ankara (scientific committee)
- *PMS 2006 Tenth International Workshop on Project Management and Scheduling*, April 26-28, 2006, Ponzan, Poland (program committee member)
- *YA/EM 2005 XXVth National Conference on Operations Research and Industrial Engineering*, July 4-6, 2005, İstanbul (program committee member)
- *Symposium on Post-Disaster Restructuring 2003*, Duzce, Turkey, March 21-22, 2003 (program co-chair together with Prof. Shigeru Kakumoto)
- *PMS'98 The Sixth International Workshop on Project Management and Scheduling*, Istanbul, Turkey, July 7-9, 1998 (organization committee member)

- *IMS 2004 The 3rd International Symposium on Intelligent Manufacturing Systems* , Sakarya, Turkey, September 6-8, 2004 (program committee member)

SEMINARS GIVEN

- *Seminar on the Philosophy of Total Quality Management*, speaker in the one-day seminar in Elginkan Foundation Vocational and Technical Education Center, Bolu Industrial District, March 29, 2007.
- *Seminar on Quality Costs*, speaker in the one-day seminar in Elginkan Foundation Vocational and Technical Education Center, Bolu Industrial District, October 19, 2005.
- *Seminar on Quality Costs*, speaker in the one-day seminar in Elginkan Foundation Vocational and Technical Education Center, Bolu Industrial District, June 30, 2005.
- Koç University College of Administrative Sciences and Economics, Istanbul, March 11, 2005.
Invited speaker to give a seminar on the research work titled “A bi-objective genetic algorithm approach to project scheduling under risk”
- *Seminar on Quality Costs*, speaker in the one-day seminar in Elginkan Foundation Vocational and Technical Education Center, Bolu Industrial District, May 25, 2004.
- *Seminar on the Philosophy of Total Quality Management*, speaker in the one-day seminar in Elginkan Foundation Vocational and Technical Education Center, Bolu Industrial District, February 20, 2004.
- *Seminar on Quality Costs*, speaker in the one-day seminar in Elginkan Foundation Vocational and Technical Education Center, Bolu Industrial District, January 21, 2004.
- Middle East Technical University, Department of Industrial Engineering, 16 November 2001.
Invited speaker to give a seminar on the research work titled “Four payment models for the multi-mode resource constrained project scheduling problem with discounted cash flows”.

PARTICIPATION IN CERTIFICATED SEMINARS

- *TUBITAK Project Management Training Program*, TUSSIDE Campus, Gebze, May 10-14, 2006
- Seminar on *Process Management and Improvement*, two-day seminar organized by Turkish Quality Association (KalDer), Ankara, September 03-04, 2004
- Seminar on *Improving the Institutional Capacity of NGOs*, four-day seminar, Ankara, February 25-28, 2004

The seminar is organized for representatives from NGOs from all over Turkey by the Civil Society Development Programme (STGP) of European Union, which has been founded in 2001. The contents include project development cycle and communication. Participation has been in the name of the Society for the Development and Improvement of Duzce (DUZDER).

PANELS and WORKSHOPS

- *International Interdisciplinary Women Studies Congress, Panel on Women in Academical Life*, invited speaker, Sakarya University, March 5-7, 2009
- *Global R&D Attraction Center Turkey, Rector's Workshop*, TUBITAK TUSSIDE Conference Center, Gebze, February 20-21, 2009
- *17th National Quality Congress* Lütfi Kırdar Conference Center, Istanbul, November 24-26, 2008. Invited participation in the workshop titled *Higher Education and the Working Life*, November 26, 2008
- *Turkish, American and Middle Eastern Industrial Engineering Women Academicians Workshop*, invited panelist to the panel on family issues and encouraging female children to study engineering, Başkent University Bağlıca Campus, Ankara, July 7-9, 2008

- *Women's Leadership Workshop*, invited panelist, TASSA (Turkish American Scientists and Scholars Association) Annual Conference, Harvard Medical School Conference Center, Boston/MA, USA, April 11-13, 2008
- *International Workshop on Disseminating Intellectual Property Knowledge in Universities*, Istanbul University, February 21, 2008, Istanbul
Participation in the international workshop organised by the European Patent Academy in co-operation with the Turkish Patent Institute. Sessions are held on IP Development and Teaching Landscape in Turkey, Experiences in IP Teaching, Challenges for Universities.
- *16th National Quality Congress* Lütfi Kırdar Conference Center, Istanbul, November 12-14, 2007
Presentation on '*Reverse Supply Chain Management: A Field Study for Turkey*' in the workshop titled *Management Approaches for Logistics*, November 12, 2007 (together with Meltem Nurtanış Velioğlu)
- *II. Workshop on Competitiveness: Sustainability, Evaluation and Innovation*, Sabancı University, Istanbul, October 6, 2006
Invited participation in the second workshop organized by the Competitiveness Forum (a forum founded by the Turkish Businessmen Society (TUSIAD) and Sabancı University) with a presentation titled "Reverse supply chain management: Definition, examples, opportunities" (together with Necati Aras and Gülçin Büyüközkan).
- *IXth National Development Plan Preparatory Meetings, Commission for Regional Development, Sub-Commission for Province Development Strategies*, invited participation in the first workshop on September 26-27, 2005, and in the second meeting on November 11, 2005, Ankara.
- *Workshop on Competitiveness*, Sabancı University, Istanbul, March 12, 2004
Invited participation in a workshop organized by the Competitiveness Forum on national and international research work and applications.

- *Panel on City Development Planning*, invited speaker, Mersin, October 28, 2003 (an organization within the Third Mersin University Days, October 27-31, 2003).
- Netaş, Yavuz Kireç Social Facilities, Istanbul, May 8, 2002.
Invited participation in a workshop organized by TUBITAK (Turkish Scientific and Technical Research Foundation), TTGV (Turkish Technology Development Foundation) and TUSIAD (Turkish Businessmen Society). Discussions are carried out in five subgroups titled as ‘Innovation and R&D for Global Competition’, ‘New Technology Applications in Traditional Industries’, ‘Technology Districts, Teknoparks’, ‘Turkey’s Technological SWOT Analysis’ and ‘Technology Education’. Results and proposals are presented in the 4th Technology Conference on May the 21st, 2002.

EDITOR

- Founding Editor of *Abant İzzet Baysal University Economical and Administrative Sciences Faculty Journal of Economical and Social Research*, April 2005-May 2007
- Associate editor of *European Journal of Industrial Engineering*, 2006 onwards.

REFEREE IN SCIENTIFIC JOURNALS

- *Annals of Operations Research*
- *Computers and Industrial Engineering*
- *Computers and Operations Research*
- *European Journal of Industrial Engineering*
- *European Journal of Operational Research*
- *Evolutionary Computation*
- *International Journal of Production Research*
- *Journal of Intelligent Manufacturing*
- *Journal of Operational Research*
- *Production Planning and Control*

EUVP Fellowship

Visit to several EU institutions as an invited guest by the European Parliament and the European Commission within the European Union Visitors Programme (EUVP) in the week of May 25-31, 2008. Institutions visited and interviewed: EUA, DAAD, Directorate General for Education and Culture of the European Commission, European Parliament Information Office, Committee of the Regions, European Ombudsman, European Policy Center, European Trade Union Institute, Council of the European Union, European Economic and Social Committee, and the Mission of the Turkish Republic to the EU. Also met with Ms. Meryem ALMACI, member of the House of Representatives, Mr. Alexander VON LINGEN, one of the founding managers of EUVP, and political analysis specialist Amanda AKÇAKOCA from the European Policy Center.

The European Union Visitors Program (EUVP) invites young, promising leaders from countries outside the European Union to visit Europe to gain a first-hand appreciation of the EU's goals, policies and peoples and to increase mutual understanding between professionals from non-EU countries and their EU counterparts. The program has been in operation since 1974, with five selected Americans being the first participants. Since then, however, the scope of the program has grown considerably so that, in 2004, the EU welcomed 170 grantees from more than 70 different countries. Now, 16 visitors from the United States are selected each year. The total number of visitors worldwide is generally about 160.

ADMINISTRATIVE DUTIES

- Rector, Duzce University, date of appointment: May 18, 2007
- Member of the Board for EURO Working Group on Project Management and Scheduling, September 2007 onwards
- European Union Sixth Framework Program Institutional Communication Point in AIBU, June 17, 2002 onwards
- Coordinator for European Union Sixth Framework Program in Abant Izzet Baysal University, March 1, 2005-September 2006
- Director of the Vocational School of Duzce, Abant Izzet Baysal University, September 2004- September 2006

- Chairperson for the Chair of Cooperatives, Abant Izzet Baysal University, Department of Management, May 2003-2006
- Member of the Faculty Board, AIBU, Faculty of Economical and Administrative Sciences, 2003-2006
- Member of Faculty Management Board, AIBU, Faculty of Economical and Administrative Sciences, 2003-2006

WORK EXPERIENCE

- 05-2007-03.2006- Rector of Duzce University**
Abant Izzet Baysal University, Faculty of Economical and Managerial Sciences, Department of Management
 Full Professor
- 09.2004 – 09.2006 Abant Izzet Baysal University, Vocational School of Duzce, Director**
09.2001 - 03.2006 Abant Izzet Baysal University, Faculty of Economical and Managerial Sciences, Department of Management
 Associate Professor
- 01.1998 – 09.2001 Abant Izzet Baysal University, Faculty of Economical and Administrative Sciences, Department of Management**
 Assistant Professor
- 1988-1989 Computer Center, Bogazici University, Istanbul**
 Design of educational software packages on topics related to industrial engineering.
- 1987-1989 Operations Research Club, Bogazici University, Istanbul**
 President for three semesters. Teamwork for organization of seminars on topics related to industrial engineering.
- 1987-1988 Department of Mathematics, Bogazici University, Istanbul**
 Teaching assistant for probability and statistics courses.
- Summer 1988 Department of Industrial Engineering, Bogazici University, Istanbul**
 Development of an educational software package for a quality control game.
- Summer 1987 Nixdorf Computer A.G., Paderborn, Germany**
 Participation in a two-weeks seminar on a programming language called MATPLAN and development of a financial analysis package using this language.
- Summer 1986 Sebat Machinery Company, Pendik, Istanbul**
 Production internship in the job shop.

COURSES TAUGHT

Undergraduate courses

- Production/Operations Management
- Operations Research
- Quality Control
- Total Quality Management
- Factory/Workplace Layout Planning
- Productivity Management
- Statistics (in the Department of Forest Industrial Engineering)
- Management and Organization (in the Department of Forest Industrial Engineering)

Graduate courses

- Production/Operations Management
- Competitive Manufacturing
- Project Evaluation

GRADUATE THESES SUPERVISED

“Development of a production planning system to be used in a furniture factory”, Abant Izzet Baysal University, Institute for Social Sciences, Management Program, 2005-2006.

“Quality Assurance Systems: ISO 9000 and an application in Turkey”, Özgür Noyan Aykaç, Abant Izzet Baysal University, Institute for Social Sciences, Management Program, 2000-2002.

“Study on inclination of Social Security Organisation employees to total quality management principles”, Nurten Canbasoğlu, Abant Izzet Baysal University, Institute for Social Sciences, Management Program, 1998-1999.

PROJECTS

2006- Project coordinator of TUBITAK project “Reverse supply chain management in Turkey: Analysis of the current state in the automotive, electric/electronic, white goods and furniture manufacturing industries and solution models to problems” (SOBAG 105K154) (Handed the

coordinatorship after the appointment as rector in May 2007 and continued as a research team member)

- 2005-2006** **Project owner of the Leonardo da Vinci Project of Type A, "Applications of Computer Network Systems and Internet Programming in German Vocational Education", TR/05/A/F/EX1-1229.** Six members of the teaching and academical staff investigated the German vocational system for three weeks.
- 2001-2003** **Project coordinator of nine subprojects in the Strategical Development Plan for the Province of Duzce.** This project is conducted by a team of academicians from Abant Izzet Baysal University with the technical support of the State Planning Organisation and in cooperation of local authorities.
- 2001-2003** **Member of the subproject on industrial development planning in the Strategical Development Plan for the Province of Duzce.**
- 1996-1997** **Bogazici University Research Fund Project.**
Project name: Development of a genetic algorithm for paralel machine scheduling. Project team: Prof. Dr. Gunduz Ulusoy and Funda Sivrikaya Serifoglu. Project code: 96A0331.

ACTIVITIES WITHIN NON-GOVERNMENTAL ORGANIZATIONS

(NGOs)

- Member of the Duzce Civil Initiative which is constituted by the representatives of NGOs, professional societies, press and broadcast institutions, and political parties.
- Founding president of the NGO *Volunteers for Disabled People*, May 2007.
- Speaker in the panel titled "Being a woman in the university" organized as a joint activity of the Governor of Duzce and University of Duzce in *World Women Day* to give a talk on "Being a woman" as an academician and an NGO leader, March 8, 2007.
- Foundation of and participation in a chorus for Turkish Music for the Society for the Development and Improvement of Duzce (DUZDER), January 2007 onwards.

- Organization of a series of workshops titled “Discussing Problems of Duzce” as a joint activity of the Society for the Development and Improvement of Duzce (DUZDER) and the Chamber of Commerce and Trade where current issues related to the development of Duzce are discussed following the talks of academicians about immigration, industrialization and environment, November 2006-March 2007.
- Organization of Lifetime Training Seminars as a joint activity of the Duzce Branch of the Support for Contemporary Life Society (ÇYDD) and the Chamber of Commerce and Trade, December 2006.
- Speaker in the first Lifetime Training Seminar on “Total Quality Management”, January 24, 2007.
- Organization of a “parents school” as a joint activity of ÇYDD and a local primary school where academicians and specialists give lectures to parents on the role of family in child raising, on healthy communication with children and on violence, November 2006 (This series is being repeated upon request in other schools throughout 2007).
- Participation in the *Stop Violence Campaign* organized by the Duzce Branch of the Human Rights Organization as a member of ÇYDD and as a member of the management board of DUZDER, Düzce, July 7, 2005.
- Participation in the General Board Meeting of ÇYDD as the Duzce delegate, April 30, 2005, Istanbul.
- Organization of the participation of a member of DUZDER in the summer school on NGO related issues (history, project development, campaign development, communication, public relations, etc) organized by Istanbul Bilgi University for a limited number of NGO members in cooperation with the Civil Society Development Programme (STGP) and ACT Netherlands on July 5-30, 2004.
- Organization of a seminar on *How to Approach the Psychological Problems of Teenagers* as a joint activity of the Duzce Branch of the Support for Contemporary Life Society (ÇYDD Duzce) and the Alumni Association of Istanbul Erkek Lisesi on May 22, 2004. The seminar was addressed to parents and is given by Bahar Tanyaş (Psychologist) and Mustafa Çam (Psychiatrist).

- Organization of the talk on *The Role of the Logistics Sector, The Potentials of Duzce* given by Atilla Yıldıztekin on April 6, 2004, as a joint activity of DUZDER and Duzce Chamber of Commerce and Industry.
- Organization of a donation campaign as an activity of DUZDER for the payment of the organical farming certification fee for a local farmers' cooperative, March 2004.
- Invited talk on *The Role of Duzce Civil Initiative to Accelerate the Development of Duzce* given to the members of Duzce II Divan Heyeti, a civil forum consisting of representatives of local NGOs, of chambers of professions and of political parties, on February 24, 2004.
- Organization of a talk on *Organical Farming around the Globe and in Turkey* given by Fatma Baydur from the Ministry of Agriculture to the members of Duzce II Divan Heyeti on February 24, 2004.
- Organization of the development of a project for a local farmers' cooperative for finding funding for seeds, organical fertilizers, etc.
- Participation in the four-day *Seminar on Project Development Cycle and Communication* organized by Civil Society Development Programme (STGP) for representatives of NGOs to improve their institutional capacity, Ankara, February 25-28, 2004.
- Participation in the *First Sustainable Development Conference* on January 14, 2004, which is aimed at bringing together representatives of NGOs and the private sector, in the name of both ÇYDD Duzce and Abant İzzet Baysal University.
- Invited talk on *Project Development for Planned Development: The Role of Civil Society* to the members of Duzce II Divan Heyeti on December 31, 2003.
- Organization of a series of seminars as an activity of ÇYDD Duzce on *Healthy Human Relationships* given by Prof. Mürüvvet Bilen to primary school teachers in several districts of Duzce on March 19-21, 2002.

PERSONAL

Place and Date of Birth Istanbul; June 15, 1966

Marrital Status Married, two children

Foreign Language

Fluent in English and good in German

Hobbies

Travelling, skiing, cinema and classical dance

Memberships

- * Institute for Operations Research and the Management Sciences (INFORMS),
- * Turkish Operations Management Society (YAD),
- * Duzce Civil Initiative,
- * Duzce branch of Support for Contemporary Life Society (ÇYDD),
- * Member of the management board of the Duzce Development Foundation
- * Society for the Development and Improvement of Duzce (DUZDER),
- * Founding member and member of the management board of the Volunteers for Disabled People,
- * Bogazici University Alumni Association (BUMED),
- * Stanford University Alumni Association,
- * Istanbul Erkek Lisesi Alumni Association.