

## **EDUCATION**

- August 1992      Ph.D. in Business Administration, The University of Texas at Austin, Austin, Texas.
- May 1989        Master of Science in Industrial and Systems Engineering, University of Southern California, Los Angeles, California.
- June 1987       Bachelor of Science in Industrial Engineering, Boğaziçi University, İstanbul, Turkey.

## **FIELDS OF INTEREST**

Design and Planning Issues of Production Systems, Operations Strategy, Retail Operations, Supply Chain Management

## **HONORS and AWARDS**

Scholarship Award for Graduate Studies: Scholarship received upon nomination by the Industrial Engineering Department, Boğaziçi University, İstanbul, Turkey.

Best Paper Award, Effects of Variability on the Performance of a Production Line Under Cyclic Scheduling, with Barış Tan, 11th European Simulation Multiconference, June 1-4, 1997, İstanbul.

## **PROFESSIONAL EXPERIENCE**

### **Academic Experience**

- 06/2004–        Professor of Operations Management, Koç University, College of Administrative Sciences and Economics.
- 11/1998–05/2004 Associate Professor of Operations Management, Koç University, College of Administrative Sciences and Economics.
- 08/1995–10/1998 Assistant Professor of Operations Management, Koç University, College of Administrative Sciences and Economics.
- 08/1992–07/1995 Assistant Professor of Operations Management, Bilkent University, Management Department, Bilkent, Ankara, Turkey

### **Administrative Experience**

- 08/2009–08/2013 Vice President for Academic Affairs, Koç University.
- 07/2005–07/2008 Associate Dean, Koç University, College of Administrative Sciences and Economics.

## **BIBLIOGRAPHY**

### **Journals**

1. An Auction Mechanism for Pricing and Capacity Allocation with Multiple Products, with Zehra Bilgintürk, Production and Operations Management, Vol. 23, No. 1, 81-94, January 2014.
2. Retail Inventory Management with Stock-out Based Dynamic Demand Substitution, with Barış Tan, International Journal of Production Economics, Vol. 145, No. 1, 78-87, September 2013.
3. Pricing and Lot-Sizing Decisions in a Two-Echelon System with Transportation Costs, with Can Yıldırım and Serpil Sayın, OR Spectrum, Vol. 31, No. 3, 629-650, 2009.
4. A Method for Estimating Stock-Out Based Substitution Rates by Using Point-of-Sale Data, with Ömer Cem Öztürk and Barış Tan, IIE Transactions, Vol. 41, No. 5, 408-420, 2009.

5. Optimal Quantity Discount Design with Limited Information Sharing, with Panos Kouvelis, *Decision Sciences*, Vol. 39, No. 4, 791-819, 2008.
6. Single-Supplier/Multiple-Buyer Supply Chain Coordination with Vertical Information Sharing, with Serpil Sayın, *European Journal of Operational Research*, Vol. 187, 746-764, 2008.
7. Assigning Cross-Trained Workers to Departments: A Two-Stage Optimization Model to Maximize Utility and Skill Improvement, with Serpil Sayın, *European Journal of Operational Research*, Vol. 176, No. 3, 1643-1658, February 2007.
8. Minimizing Sum of Completion Times on a Single Machine with Sequence-Dependent Family Setup Times, with Can Akkan, *Journal of the Operational Research Society*, Vol.57, No. 3, 271-280, March 2006.
9. The Two-Machine Flowshop Total Completion Time Problem: Improved Lower Bounds and a Branch-and-Bound Algorithm, with Can Akkan, *European Journal of Operational Research*, Vol. 159, No. 2, 420-429, December 2004.
10. Can the Desired Service Level be Achieved When the Demand and Lost Sales are Unobserved? with Barış Tan, *IIE Transactions*, Vol. 36, No. 4, April 2004.
11. Assembly Line Balancing in a Mixed-Model Sequencing Environment with Synchronous Transfers, with Serpil Sayın, *European Journal of Operational Research*, Vol. 149, No. 2, 417-429, September 2003.
12. A Min-Max-Sum Resource Allocation Problem and its Applications, with P. Kouvelis and G. Yu, *Operations Research*, Vol. 49, No. 6, 913-922, November-December 2001.
13. Modelling and Scheduling of an Asynchronous Cyclic Production Line with Multiple Part, with Barış Tan, *Journal of the Operational Research Society*, Vol. 51, No. 11, 1296-1308, November 2000.
14. Part Transfer Mode Selection in a Cyclic Mixed-Model Line, *IEEE Transactions on Robotics and Automation*, Vol. 16, No 5, 588-591, October 2000.
15. A Min-Sum-Max Resource Allocation Problem, with P. Kouvelis, *IIE Transactions*, Vol. 32, No 3, 263-271, 2000.
16. Cyclic Scheduling in Synchronous Production Lines, with P. Kouvelis, *IIE Transactions*, Vol. 31, No 8, 709-719, August 1999.
17. A Bicriteria Approach to the Two-Machine Flow Shop Scheduling Problem, with Serpil Sayın, *European Journal of Operational Research*, Vol. 113, 435-449, 1999.
18. Stochastic Cyclic Scheduling Problem in Synchronous Assembly and Production Lines, with Barış Tan, *Journal of the Operational Research Society*, Vol. 49, No. 11, 1173-1187, 1998.
19. Flow Line Scheduling Problem with Controllable Processing Times, with P. Kouvelis, *IIE Transactions*, Volume 29, No 1, January 1997.
20. Measuring Service Quality: Evaluation of a Method, with C. M. Alpaslan, *Industrial Engineering Journal of Chamber of Turkish Engineers*, Vol. 7, No 1 January-February 1996 (in Turkish).

21. Cyclic Scheduling in Flow Lines: Modeling Observations, Effective Heuristics, and a Cycle Time Minimization Procedure, with P. Kouvelis, Naval Research Logistics, Vol. 43 pp 211-231, 1996.
22. Marketing–Manufacturing Interface, with Mehmet Paşa, Industrial Engineering Journal of Chamber of Turkish Engineers, Vol. 5, No 5 September-October 1995 (in Turkish).
23. The Discrete Resource Allocation Problem in Flow Lines, with P.Kouvelis and G. Yu, Management Science, Vol. 41, No 9, September 1995.
24. The Interface of Buffer Design and Cyclic Scheduling Decisions in Deterministic Flow Lines, with P. Kouvelis, Annals of Operations Research, Vol. 50, 1994.
25. The Permutation Flow Shop Scheduling Problem with Sum of Completion Times Performance Criterion, with P. Kouvelis, Naval Research Logistics, Vol. 40, (1993), 843–862.
26. Exact and Approximate Algorithms for the Loop Layout Problem, with A. Ş. Kiran, Journal of Production Planning and Control, Vol. 4, No.3 (1993), 253–259.
27. A Location Problem on Unicyclic Networks: Balanced Case, with A. Ş. Kiran and A. T. Ünal, European Journal of Operational Research, 62 (1992), 194–202.
28. Games, Critical Paths and Assignment Problems in Permutation Flow Shops and Cyclic Scheduling Flow Line Environments, with P. Kouvelis and A. Ş. Kiran, Journal of the Operational Research Society, Vol. 43, No. 3 (1992), 241–258.
29. Scheduling in Flexible Manufacturing Systems, with A. Ş. Kiran, Industrial Engineering Journal of Chamber of Turkish Engineers, Vol. 1, (4), 3-9, November 1989 (in Turkish).

### **Publications in Proceedings**

1. A Two-Stage Decentralized Supply Chain with Limited Capacity and Limited Information Sharing, with Alper Altan and Fikri Karaesmen, Proceedings of the Analysis of Manufacturing Systems Conference, May 11-16, 2007, Lunteren, The Netherlands.
2. Assembly Line Balancing in a Mixed-Model Sequencing Environment, with Serpil Sayın, Proceedings of the Seventh International Workshop on Project Management and Scheduling, April 17-19, 2000, Osnabruck, Germany.
3. Sequencing and Part Transfer Mode Selection in a Mixed-Model Production Line, Proceedings of the Sixth International Workshop on Project Management and Scheduling, July 7-9, 1998, İstanbul, Turkey.
4. Effects of Variability on the Performance of a Production Line Under Cyclic Scheduling, with Barış Tan, Proceedings of the 1997 European Simulation Multiconference, Ed. A.R. Kaylan and A. Lehmann, pp. 795-802, 1997.
5. Games, Critical Paths and Assignment Problems in Permutation Flow Shops and Cyclic Scheduling Flow Line Environments, with P. Kouvelis and A. Ş. Kiran, Proceedings of the DSI Conference, Miami Beach, Florida, November 1991.

### **Books**

1. Competitive Strategies and Business Excellence in the Turkish Appliance Sector Part and Component Suppliers' Industry, with G. Ulusoy, A. Toker, G. Barbarosoğlu, and İ. İkiz, (in Turkish), Competitiveness Strategies Series No. 5, TÜSİAD, İstanbul, 1999.

## **GRANTS AND PROJECTS**

1. TÜBİTAK, 2006-2009, A Point-of-Sales Based Method for Estimation of Product Substitution Rates and Inventory Control Under Stock-out Based Substitution.

## **EDITORIAL ACTIVITIES**

1. Senior Editor, Production and Operations Management, 2004–
2. Associate Editor, IIE Transactions on Scheduling and Logistics, Supply Chains/Production-Inventory Systems Department, 1997–2007
3. Proceedings Co-Editor, Proceedings of the Sixth International Workshop on Project Management and Scheduling, July 7-9, 1998, İstanbul, Turkey.
4. Special Issue Co-Editor, Journal of Global Optimization, Special Issue on Optimization Applications in Scheduling Theory.
5. Special Issue Co-Editor, European Journal of Operational Research, Special Issue on Sixth International Workshop on Project Management and Scheduling.