

CURRICULUM VITAE

CAN AKKAN

April 2005

GENERAL

Work Address:

Graduate School of Management,
Sabancı University,
Orhanlı, Tuzla, 34956
Istanbul, Turkey.
Phone: (90-216) 483 - 9685
Fax: (90-216) 483 - 9699
E-mail: canakkan@sabanciuniv.edu

Languages:

Turkish (native), English

Citizenship:

Turkish

Born:

December 22, 1967

EDUCATION

Ph.D. in Operations Research (with minor in Business Administration), Cornell University,
Ithaca, N.Y., U.S.A, 1993
B.S. in Industrial Engineering, Middle East Technical University, Ankara, Turkey, 1989
High School, T.E.D. Ankara Koleji, Ankara, Turkey, 1985

ACADEMIC EXPERIENCE

February 2004 – present

Assistant Professor at Sabancı University Graduate School of Management in Istanbul,
Turkey.

November 2003 – January 2004

Visiting Professor at Sabancı University Graduate School of Management in Istanbul,
Turkey.

September 1993 - August 1995 and January 1997 – September 2003

Assistant Professor at Koç University Graduate School of Business and College of
Administrative Sciences and Economics.

September 1989 - September 1993

Teaching Assistant at the School of Operations Research and Industrial Engineering,
Cornell University, Ithaca, NY, USA.

OTHER WORK EXPERIENCE

September 1995 - December 1996

Teacher of English as a Second Language, Army Language School, Küçükyalı, Istanbul,
Turkey (as my obligatory military service).

CURRENT RESEARCH

Production planning and control problems in disassembly systems.
Creating diverse groups of student teams and timetabling their presentations.
Parallel machine scheduling with setup times and job splitting.

TEACHING WORK

Designed and taught the following courses (in English):

Executive MBA:

Operations Management, Decision Analysis, Management Science, Statistics.

MBA:

Management Science, Monte Carlo Simulation and Risk Analysis, Project
Management, Operations Management, Statistics, Service Operations Management

Undergraduate

Management Science, Computer Simulation Modelling and Analysis, Quality
Management, Statistics, Introduction to Management

ADMINISTRATIVE & COMMITTEE WORK

2004-present

Coordinator of the undergraduate management program at Sabancı University.

Fall, 2004

Designed the undergraduate management curriculum of Sabancı University.

1993 – 2003

Have served in many ad-hoc committees involved in administrative and academic issues
(including hiring, curriculum development, computer assisted teaching and teaching
laboratory design, developing an update system for the academic content of the
University's web site) since the founding of Koç University and its Graduate School of
Business.

Academic Year 1999-2000

Served in the *MBA Curriculum Committee* at Koç University Graduate School of
Business. The committee's mission was to gather the experiences accumulated since the
inception to the school in 1993, review the strengths, weaknesses, threats, and
opportunities faced by the School and develop recommendations on changes in its
curriculum. Among several other recommendations, was instrumental in the introduction
of seven-week long electives that improved the variety of electives offered and students'
flexibility in their choice of courses.

1998 – 2003

Served in the *Computing and Information Technology (CIT) Committee* at Koç University, charged with overseeing the activities of the Computing and Information Technology department, developing IT policy recommendations to the University Administration. Some of the recommendations were on the strategy of the CIT department, its organizational structure to improve user support and help-desk operations and hiring critical personnel.

PUBLICATIONS AND WORKING PAPERS

Articles in Refereed Journals:

Karabatı, S. and Akkan, C. (2005) "Minimizing Sum of Completion Times on a Single Machine with Sequence-Dependent Family Setup Times", *Journal of the Operational Research Society*, to appear.

Akkan, C., Karabatı, S. (2005) "The Two-machine Flowshop Total Completion Time Problem: Improved Lower Bounds and a Branch-and-Bound Algorithm", *European Journal of Operational Research*, 159, 420-429.

Akkan, C., Drexl, A. and Kimms, A. (2005) "Generating an Acyclic Directed Graph with a Given Complexity Index by Constraint Logic Programming", *Journal of Logic and Algebraic Programming*, 62, 1-39.

Akkan, C., Drexl, A. and Kimms, A. (2004) "Network Decomposition-Based Benchmark Results for the Discrete Time-Cost Tradeoff Problem", *European Journal of Operational Research*, 165, 339-358.

Akkan, C., (1997) "Finite-Capacity Scheduling-Based Planning for Revenue-Based Capacity Management", *European Journal of Operational Research*, 100, 170-179.

Akkan, C., (1996) "Overtime Scheduling: An Application in Finite-Capacity Real-Time Scheduling", *Journal of the Operational Research Society*, 47, 1137-1149.

Refereed Chapters in Books:

Akkan, C., (1998) "A Prioritized Re-insertion Approach to Production Rescheduling", in *Beyond Manufacturing Resource Planning: Advanced Models and Methods for Production Planning*, eds. A. Drexl and A. Kimms, Springer-Verlag.

Articles in Conference Proceedings:

Akkan, C., Drexl, A. and Kimms, A. (2000) "Network Decomposition for the Discrete Time-Cost Tradeoff Problem Part 1: Models and Bounding Methods Part 2: Network Decomposition and Computational Results", Proceedings of the 7th International Workshop on Project Management and Scheduling, April 17-19, Osnabrück, Germany.

Akkan, C., Drexl, A. and Kimms, A. (2000) "Network Decomposition for the Discrete Time-Cost Tradeoff Problem Part 1: Models and Bounding Methods", Proceedings of the 7th

International Workshop on Project Management and Scheduling, April 17-19, Osnabrück, Germany

Akkan, C. (1998) "A Lagrangian Heuristic for the discrete time-cost tradeoff problem", Proceedings of the 6th International Workshop on Project Management and Scheduling, July 7-9.

Akkan, C., Yedekçioğlu, O. A., Sayılan, E., and Barlass, Ş., (1995) "A Database Application for Help-Desk Scheduling and Management", *Proceedings of the European Simulation Symposium*, October.

CITATIONS

A total of 11 citations by other authors:

1 in European Journal of Operational Research
1 in Journal of Scheduling
1 in International Journal of Production Research
1 in Decision Sciences
1 in Journal of the Operational Research Society
1 in Computers and Operations Research
2 in IIE Transactions
1 in Mathematics and Computers in Simulation
1 in Production Planning and Control
1 in Mathematical and Computer Modelling

COMPUTER SKILLS

Development of algorithms using C and CPLEX in UNIX environment.
MS Office and Excel (including programming in VBA for Excel).
@RISK risk-analysis add-in for Excel.
Simul8 discrete-event simulation software.

HONORS AND AFFILIATIONS

Outstanding Operations Research and Industrial Engineering Teaching Assistant of the Year Award, Cornell University, 1993

Member, Institute for Operations Research and Management Science (INFORMS)

HOBIES

Sailing, Hiking, Reading