

CURRICULUM VITAE

Can AKKAN

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EDUCATION

Ph.D.:

Operations Research (with minors in Business Administration and Statistics), Cornell University, Ithaca, N.Y., U.S.A, 1993

Bachelor of Science:

Industrial Engineering, Middle East Technical University, Ankara, Turkey, 1989

High School:

T.E.D. Ankara Koleji, Ankara, Turkey, 1985

ACADEMIC EXPERIENCE

May 2017 – present

Sabancı University, School of Management, Professor of Business Analytics and Operations Management

November 2005 – May 2017

Sabancı University, School of Management, Associate Professor of Operations Management

February 2012 – July 2012

MIT Sloan School of Management, International Faculty Fellow.

February 2004 – November 2005

Sabancı University, Faculty of Management, Assistant Professor of Operations Management

November 2003 – January 2004

Sabancı University, Faculty of Management, Visiting Professor of Operations Management

September 1993 – August 1995 and January 1997 – September 2003

Koç University, College of Administrative Sciences and Economics, Assistant Professor of Operations Management.

September 1989 – June 1993

Cornell University (Ithaca, NY), School of Operations Research and Industrial Engineering, Teaching Assistant.

OTHER WORK EXPERIENCE

September 1995 – December 1996

Lieutenant, Army Language School (Istanbul, Turkey), Teacher of English as a Second Language (as Obligatory Military Service).

RESEARCH INTERESTS

Robustness in Scheduling and Rescheduling
Production and Project Scheduling, Timetabling
Applied Discrete Optimization, Design of Algorithms/Heuristics

TEACHING EXPERIENCE

Executive MBA:

Operations Management, Decision Analysis, Management Science, Statistics,
Project Management, Risk Analysis.

MBA:

Management Science, Monte Carlo Simulation, Project Management, Operations
Management, Statistics, Service Operations Management, Programming in VBA for
MS Excel, Advanced MS Excel for Managers

Undergraduate:

Management Science, Monte Carlo Simulation, Quality Management, Statistics

Executive Education:

Quantitative and Managerial Decision Making, Business Analytics, Project
Management, Operations Management

ADMINISTRATIVE WORK

Sept 2014 – Present

Academic Director of the MBA for Young Professionals Program, Sabancı University

April 2011 – September 2013

Associate Dean of Sabancı School of Management, Sabancı University

January 2006 – January 2011

Director of the MBA Program, Faculty Executive Committee Member, Faculty of
Management, Sabancı University

January 2006 – September 2008

Director of the Executive MBA Programs, Faculty Executive Committee Member,
Faculty of Management, Sabancı University

October 2005 – January 2006

Co-Director of MBA and Executive MBA Programs, Faculty Executive Committee
Member, Faculty of Management, Sabancı University

February 2004 – September 2005

Coordinator of the Undergraduate Management Program, Sabancı University.

PUBLICATIONS

Refereed Journals:

- Ermis, G. and Akkan, C. (2017) "Search Algorithms for Improving the Pareto Front in a Timetabling Problem with a Solution Network-based Robustness Measure", *Annals of Operations Research*, to appear.
- Akkan, C. and Gülcü, A. (2017) "A Bi-criteria Hybrid Genetic Algorithm with Robustness Objective for the Course Timetabling Problem", *Computers & Operations Research*, to appear.
- Koçaş, C. and Akkan, C. (2016) "A system for pricing the sales distribution from blockbusters to the long tail", *Decision Support Systems*, 89, 56-65.
- Koçaş, C. and Akkan, C. (2016) "How trending status and online ratings affect prices of homogeneous products", *International Journal of Electronic Commerce*, 20 (3), 384-407.
- Akkan, C., Külünk, M. Erdem, Koçaş, C. (2016) "Finding robust timetables for project presentations of student teams", *European Journal of Operational Research*, 249, 560-576.
- Akkan, C. (2015) "Improving schedule stability in single-machine rescheduling for new operation insertion", *Computers & Operations Research*, 64, 198-209
- Altekin, F.T. and Akkan, C. (2012) "Task-failure-driven rebalancing of disassembly lines", *International Journal of Production Research*, 50, 18, 4955-4976
- Karabatı, S. and Akkan, C. (2006) "Minimizing Sum of Completion Times on a Single Machine with Sequence-Dependent Family Setup Times", *Journal of the Operational Research Society*, 57, 271-280.
- 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. (2005) "Network Decomposition-Based Benchmark Results for the Discrete Time-Cost Tradeoff Problem", *European Journal of Operational Research*, 165, 339-358.
- Akkan, C., Karabatı, S. (2004) "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., (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.

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

RESEARCH GRANTS

TÜBİTAK 3001 Grant (No: 214M661) Developing solution network algorithms for identifying robust solutions to an event timetabling problem (Bir etkinlik çizelgeleme modeli için gübüz çözümler belirleme amacıyla çözüm ağı algoritmaları geliştirilmesi). (15/04/2015 – 15/04/2017)

PhD AND MSc THESIS SUPERVISION

Ayla Gülcü, PhD thesis in Engineering Management, Marmara University, 2014
Thesis title: A Comprehensive Timetabling at Marmara University
Supervisor: Assoc. Prof. Serol Bulkan

Arda Şişbot, M.Sc. thesis in Industrial Engineering, Sabancı University, 2014
Thesis title: "Multi-project scheduling under mode duration uncertainties"
Co-supervisor with Prof. Gündüz Ulusoy.

EXECUTIVE EDUCATION COMPANIES/PROGRAMS (2006-Present)

P&G Turkey, TURQUALITY, Borusan Leadership Academy, Kibar Holding Academy, Continental Tires, Efes Beverage, TNT Turkey, Kibar Holding Academy, Eczacıbaşı Holding, Alcatel-Lucent, MyGlobe with INSEAD, Orka Group, Vizyon Leather, Samet Kalıp, Denim Tekstil, Ayaydın-Miroglio Group.

AWARDS AND HONORS

CEEMAN (International Association for Management Development in Dynamic Societies)
Teaching Champion Award, 2015

Sabancı University, Class of 2010 Teaching Award – Ranked 3rd

Sabancı University, Class of 2009 Teaching Award – Ranked 5th

Sabancı University, Class of 2008 Teaching Award – Ranked 3rd

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

Cornell University, Graduate School Fellowship (1989-1993)

MEMBERSHIPS

Institute for Operations Research and Management Science (INFORMS)

Yöneylem Araştırması Derneği (YAD) – Turkish Operations Research Society