

DANIEL ADELMAN

Office

The University of Chicago
Booth School of Business
5807 South Woodlawn Avenue
Chicago, IL 60637
(773) 834-2019, FAX (773) 702-0458
e-mail: dan.adelman@ChicagoBooth.edu

March 26, 2024

Research Interests

Healthcare Business Analytics
Performance Measurement and Benchmarking
Policy Analysis with OR in Energy and Healthcare Systems
Approximate Dynamic Programming
Revenue Management and Pricing Optimization
Supply Chain Management; Inventory, Production, and Logistics

Education

GEORGIA INSTITUTE OF TECHNOLOGY Ph.D. in Industrial Engineering and Operations Research.	1997
GEORGIA INSTITUTE OF TECHNOLOGY M.Sc. in Operations Research.	1994
GEORGIA INSTITUTE OF TECHNOLOGY Bachelor of Industrial Engineering.	1993

Academic Positions

CHARLES I. CLOUGH, JR. PROFESSOR OF OPERATIONS MANAGEMENT The University of Chicago, Booth School of Business.	Sum 2015 – present
CO-DIRECTOR, HEALTHCARE INITIATIVE The University of Chicago, Booth School of Business.	Sum 2020 – present
PROFESSOR OF OPERATIONS MANAGEMENT The University of Chicago, Booth School of Business.	Sum 2005 – Spr 2015
ASSOCIATE PROFESSOR OF OPERATIONS MANAGEMENT The University of Chicago, Booth School of Business.	Sum 2001 – Spring 2005
ASSISTANT PROFESSOR OF OPERATIONS MANAGEMENT The University of Chicago, Booth School of Business.	Sum 1997 – Spr 2001

Visiting Positions

VISITING PROFESSOR Koç University. College of Administrative Sciences and Economics.	Sum 2023
---	----------

Editorial Positions

Area Editor, *Operations Research*, Operations and Supply Chains, 2012-2020.
 Associate Editor, *Management Science*, 2009-2011.
 Associate Editor, *Manufacturing & Service Operations Management*, 2006-2012.
 (Meritorious Service Award, 2006).
 Associate Editor, *Operations Research*, 2003-2011.
 Editorial Board, *IIE Transactions*, 2003-2005.
 Editorial Review Board, *Manufacturing & Service Operations Management*, 2001-2005.
 Ad-hoc reviewer:
Naval Research Logistics, *Transportation Science*, *Networks*, *Mathematical Programming*,
Mathematics of Operations Research, *IIE Transactions*, *Journal of Accounting Research*,
Discrete Event Dynamic Systems

Honors

Pierskalla Award, Best paper in Healthcare, Finalist.	2020
Best Paper Award in Public Sector OR, INFORMS.	2019
John E. Jeuck Faculty Fellow, Chicago Booth.	2017-2018
Fellow, The Center for Health Administration Studies, UoC.	2016-current
Chicago Surgical Society Resident Award Runner-Up, co-recipient.	2015
Gary D. Eppen Faculty Fellow, The University of Chicago.	2007-2008
World Trade Magazine "Fabulous 50 Plus One."	2006
IBM Corporation Scholar, The University of Chicago.	1999-2000
George B. Dantzig Prize.	1998
Best dissertation in <i>Operations Research</i> .	
MSOM Paper Prize.	1997
Best student paper in <i>Operations Management</i> .	
George E. Nicholson Prize, Honorable Mention.	1997
Best student paper in <i>Operations Research</i> .	
INFORMS Doctoral Colloquium.	1996
Dept. of Energy Predoctoral Fellowship, Integrated Manufacturing.	1993-1996
National Science Foundation Graduate Fellowship.	Awarded 1993
Presidential Fellow, Georgia Tech Graduate School.	1993-1997
USA Today All-USA College Academic Team.	1993
Dwight D. Gardner, Industrial Engineering Scholarship.	1992
Dow Chemical, Engineering Scholar.	1991
Westinghouse Science National Semifinalist.	1989

Publications – Operations Field Literature

D. Adelman and K. Wang. "Optimal Genetic Testing of Families." Accepted for Publication. *Manufacturing & Service Operations Management*. Frontiers in Operations. **2020 Pierskalla Award, Finalist**

K. Wang, W. Hussain, J. Birge, M. Schreiber, D. Adelman. "A High-Fidelity Model to Predict Length-of-Stay in the Neonatal Intensive Care Unit (NICU)." *INFORMS Journal of Computing* 34(1): 183-195, 2022.

D. Adelman. "An Efficient Frontier Approach to Scoring and Ranking Hospital Performance." *Operations Research*. 2020 68:3, 762-792. **Awarded Best Paper in PSOR, 2019**

D. Adelman and C. Uçkun. "Dynamic Electricity Pricing to Smart Homes." *Operations Research*. Volume 67, Issue 6, November-December 2019.

D. Adelman and S. Wang. "Contract Portfolio Optimization for a Gasoline Supply Chain."

In *Real Options in Energy and Commodity Markets*, Editor: N. Secomandi. World Scientific, 2017.

D. Adelman, A. J. Mancini. “Optimality of Quasi-Open-Loop Policies for Discounted Semi-Markov Decision Processes.” *Mathematics of Operations Research*, Vol. 41, No. 4, November 2016, pp. 1222–1247.

D. Adelman and C. Barz. “A Price-Directed Dynamic Heuristic for the Economic Lot Scheduling Problem.” *IIE Transactions*, 46, pp. 1343–1356, 2014.

D. Adelman and C. Barz. “A Unifying Approximate Dynamic Programming Model for the Economic Lot Scheduling Problem.” *Mathematics of Operations Research*, 39, pp. 374–402, 2014.

D. Adelman and A. Mersereau. “Dynamic Capacity Allocation to Customers Who Remember Past Service.” *Management Science*, Volume 59, Number 3, March 2013, pp. 592–612.

D. Adelman and D. Klabjan. “Computing Near Optimal Policies in Generalized Joint Replenishment.” *INFORMS Journal on Computing*, Volume 24, Number 1, Winter 2012, pp.148–164.

D. Zhang and D. Adelman. “An Approximate Dynamic Programming Approach to Network Revenue Management with Customer Choice.” *Transportation Science*, 43, 381–394, 2009.

D. Adelman. “A Simple Algebraic Approximation to the Erlang Loss System.” *Operations Research Letters*, 36, 484–491, 2008.

D. Adelman and A. Mersereau. “Relaxations of Weakly Coupled Stochastic Dynamic Programs.” *Operations Research*, 56(3), 712–727, 2008.

D. Adelman. “Price-Directed Control of a Closed Logistics Queueing Network.” *Operations Research*, 55(6), 1022–1038, 2007

D. Klabjan and D. Adelman. “A Convergent Infinite-Dimensional Linear Programming Algorithm for Deterministic Semi-Markov Decision Processes on Borel Spaces.” *Mathematics of Operations Research*, 32(3), 528–550, 2007

D. Adelman. “Dynamic Bid-Prices in Revenue Management.” *Operations Research*, 55(4), 647–661, 2007.

D. Klabjan and D. Adelman. “Existence of Optimal Policies for Semi-Markov Decision Processes Using Duality for Infinite Linear Programming.” *SIAM Journal on Control and Optimization*, 44, 2104–2122, 2006.

D. Adelman and D. Klabjan. “Duality and Existence of Optimal Policies in Generalized Joint Replenishment.” *Mathematics of Operations Research*, 30, 28–50, 2005.

D. Adelman. “A Price-Directed Approach to Stochastic Inventory/Routing.” *Operations Research*, 52, 499–514, 2004.

D. Adelman. “Price-Directed Replenishment of Subsets: Methodology and its Application to Inventory Routing.” *Manufacturing & Service Operations Management*, 5, 348–371, 2003.

D. Adelman and G. L. Nemhauser. “Price-Directed Control of Remnant Inventory Systems.” *Operations Research*, 47, 889–898, 1999.

D. Adelman, G. L. Nemhauser, et. al. “Allocating Fibers in Cable Manufacturing.” *Manufacturing & Service Operations Management*, 1, 21–35, 1999.

D. Adelman and G. L. Nemhauser. “Price-Directed Control of Remnant Inventory Systems.” *Proceedings of the 1996 Manufacturing & Service Operations Management Conference*, Dartmouth College, Hanover, NH, June 1996.

“Multinomial Selection Procedures for Use in Simulations,” with D. Goldsman, P. Auclair, and J. Swain. *Proceedings of the 1993 Winter Simulation Conference*. Dartmouth College, Hanover, NH. 1993.

D. Adelman and D. Young. “A Spreadsheet-Based Prototype Enterprise System.” *Industrial Engineering*. Volume 26. No. 5. May 1994.

“Long-Range Interactions, Long-Range Order, and a Possible Devil’s Staircase in $YBa_2Cu_3O_z$,” with Luc T. Wille, et. al. *J. of Physics: C.M.* 4. L585-L592. 1992.

Publications – Medical/Healthcare Policy Literature

D. Sonmez, G. Weyer, D. Adelman. “Primary Care Continuity, Frequency and Regularity Associated with Medicare Savings.” *JAMA Netw Open*. 2023;6(8):e2329991. doi:10.1001/jamanetworkopen.2023.29991

H.D. Witmer, J.A. Morris-Levenson, Ç. Keceli, F.A. Godley, A. Dhiman, D. Adelman, K.K. Turaga. “Novel Application of a Dynamic, In-room Survey Platform to Measure Surgical Team Satisfaction.” *Annals of Surgery*. Vol. 279, No. 1, January 2024.

H.D. Witmer, Ç. Keceli, J.A. Morris-Levenson, A. Dhiman, A. Kratochvil, J.B. Matthews, D. Adelman, K.K. Turaga. “Operative Team Familiarity and Specialization at an Academic Medical Center.” *Annals of Surgery*. 10.1097, July 6, 2022.

H.D. Witmer, A. Dhiman, A.D. Jones, A. Laffan, D. Adelman, K.K. Turaga. “A Systematic Review of Operative Team Familiarity on Metrics of Efficiency, Patient Outcomes, Cost and Team Satisfaction.” *Annals of Surgery*. 276:e674-e681, 2022.

A.D. Jones, H.D. Witmer, Ç. Keceli, M. Giurcanu, D. Adelman, K.K. Turaga. “Measuring Healthcare Worker Satisfaction in the Operating Room.” *Annals of Surgery Open*. 2022 Jan; 3(1):e129.

N.G. Deshpande, H.D. Witmer, Y. Berger, C. Keceli, D. Adelman, J.B. Matthews, K.K. Turaga. “Surgical Team Familiarity and Waste Generation in the Operating Room.” *The American Journal of Surgery*. 2021 Oct; 222(4):694-699.

D. Adelman. “Thousands Of Lives Could Be Saved In the US During The COVID-19 Pandemic If States Exchanged Ventilators.” *Health Affairs*. 39:7. July 2020.

D. Adelman. “The CMS Hospital Star Rating System: Fixing A Flawed Algorithm.” *Health Affairs Blog*. April 8, 2020.

C.E. Tabit, M.J. Coplan, K.T. Spencer, C.F. Alcain, T. Spiegel, A.S. Vohra, D. Adelman, J. Liao, and R.M. Sanghani. “Cardiology Consultation in the Emergency Department

Reduces Re-hospitalizations for Low-Socioeconomic Patients with Acute Decompensated Heart Failure,” *The American Journal of Medicine*, 2017 Sep; 130(9):1112.e17-1112.e31.

T. Spiegel, T. Wassermann, N. Neumann, M.J. Coplan, K.T. Spencer, D. Adelman, R.M. Sanghani, and C. Tabit. “A Clinical Pathway for Heart Failure Reduces Admissions from the ED without Increasing Congestion in the ED,” *American Journal of Emergency Medicine*, 2017, article in press.

Working Papers

K. Wang, V. Buie, C. Corvin, P. Prakash, D. Adelman. ”Spillover Effects of a Level I Trauma Center on Hospital Operations.” Under revision.

D. Adelman, Ç. Keceli, and A.V. Olivares Nadal. “Thompson Sampling for Infinite-Horizon Discounted Decision Processes.” Under review at *IEEE Transactions on Automatic Control*.

D. Adelman, C. Barz, and A.V. Olivares Nadal. “Dynamic Basis Function Generation for Network Revenue Management.” Under review at *INFORMS Journal on Computing*.

D. Adelman, Ç. Keceli, P. Pakiman. “Equitable Data-Driven Assignments of Workers to Tasks.” Under revision.

D. Adelman, A.V. Olivares Nadal. “Measurized Discounted Markov Decision Processes.”

D. Adelman, A.V. Olivares Nadal. “Measurized Long-Run Average Markov Decision Processes.”

D. Adelman, A.V. Olivares Nadal. “Optimizing Treatment Allocation to Maximize the Health of a Population.”

D. Adelman, G. Yilmaz. “Queue Prioritization with Classification Dependent Service Rates under Imperfect Information.”

D. Adelman, A. Mersereau, P. Pakiman. “Dynamic Matching of Workers to Jobs with Learning Curves.”

G. Tuzcuoglu, C. Keceli, H. Witmer, K. Turaga, D. Adelman “More Familiarity in Surgical Teams Leads to Shorter Procedure Time.”

F. Godley, et al. “Optimization of Surgical Teaming: An Algorithmic Simulation.” Under Review.

F. Godley, et al. “Persistent workforce disruptions from the COVID-19 pandemix.” Under Review.

J. Park, G. Ran, S.D. Shah, D. Adelman. “Causal Effects of Virtual Transitional Care Visits on 90-day All-cause Unplanned Readmission for Heart Failure Patients.” Under Revision.

Permanent Working Papers

P. Mourot, A. Nadal, G. Weyer, D. Adelman. “Evaluating the Impact of a Care Management Program on Healthcare Utilization.”

D. Adelman and A. Mancini. “Dynamic Release Management of Product Features.”

Chicago Booth Research Paper No. 16-19. 2016.

D. Adelman and S. Wang. “Supply Disruption with a Risk-Averse Buyer.” Chicago Booth Research Paper No. 16-20, 2013.

D. Adelman, A. Aydin, and R. Parker. “Driving Technology Innovation Down a Competitive Supply Chain.” 2011.

D. Adelman. “Internal Transfer Pricing for a Decentralized Operation with a Shared Supplier.” 2003.

N. Petek, W. Clark, J. de Souza, H. Graham, S. Patel, X. Wang, D. DiLoreto, and D. Adelman. “An Early Look at the Effects of the Medicare Bundled Payments for Care Improvement: Evidence from Presence Health.”

Y. Feng, L. Yang, M. Rojnica, D. Adelman, A. Langerman. “Surgeon-Nurse Teaming Effects on Efficiency and Length of Stay.”

In Preparation

D. Adelman, C. Uçkun. “Optimal Sharing of a Reusable Medical Resource During a Pandemic.”

D. Adelman. “Foundations of Approximate Dynamic Programming.” (Book)

Software Tools

OptiNurse – Tool for optimizing surgical teams
Development, 2021-2023.
Pilot, University of Chicago Medicine, Winter/Spring 2023.

Teaching

Extensive experience teaching core Operations Management in the full-time, part-time, and executive MBA programs (domestic and international), Chicago Booth, 1997-2022.

Executive education (non-degree):

RSM McGladrey Custom Short-Course, 1999, 2002, 2003, 2006.

Chicago Management Institute, 2009, 2011.

Executive Program for Emerging Leaders, 2011 - 2023.

Advanced Management Program, Spring and Fall 2012, Spring 2013.

Hospira, Supply Chain Forecasting Workshop, Fall 2014.

Physician Leadership Program. *Spring 2022, Fall 2023.*

Experiential Learning/Project-Based Courses:

Operations Strategy Laboratory, Summer 2012.

Healthcare Analytics Laboratory, Springs 2013-2018. Fall 2020. Winter 2022. Winter 2024.

MBA Elective:

Healthcare Business Analytics, 2016- present.

EMBA Elective:

Healthcare Business Analytics, 2022.

Ph.D. level courses:

Dynamic Programming, 2007, 2011.
Operational Pricing, 2008.
Approximate Dynamic Programming, 2014, 2015, 2017. 2019. 2022. 2023.
Healthcare Data for Researchers, 2023.

With D. Eisenstein and D. Barnes-Schuster. “The Operations Quadrangle: Business Process Fundamentals.” 121 pages, 1999. (Course notes for MBA core course in Operations Management)

Independent study: Supervised two MBA students on a project with the Art Institute of Chicago to build an attendance forecasting model, Fall 2009.

Distinguished Leadership Fellows: With Prof. Harry Davis, organized leadership discussions with invited guests, Spring 2009, Winter 2010. Participant Winter 2013.

Sponsored Laboratory Projects (selected)

Healthcare Analytics Laboratory, 2023–2024:

- “Opportunities for Clinical and Financial Improvement in an ACO.” University of Chicago Medicine.
- “Reimagining Primary Care for ACO Success.” University of Chicago Medicine.

Healthcare Analytics Laboratory, 2021–2022:

- “Predicting and Optimizing the Impact of Team Experience on Surgical Performance.” University of Chicago Medicine.
- “The Impact and Management of Telehealth: Past, Present, and Future.” University of Chicago Medicine.

Healthcare Analytics Laboratory, 2019–2020:

- “Evaluating the Impact of a Care Management Program within an Accountable Care Organization.” University of Chicago Medicine.
- “Evaluating the Spillover Effects of a Trauma Center on Hospital Operations.” University of Chicago Medicine.

Healthcare Analytics Laboratory, 2017–2018:

- “Predicting Healthcare Outcomes from Increased Risk of Opioid Use and Chronic Pain.” University of Chicago Medicine.
- “Financial Analysis to Improve Patient Access for a Pediatric Care Network.” Comer Children’s Hospital, University of Chicago Medicine.
- “Cost Effective Analysis of Human DNA Sequencing.” Geisinger Health System.

Healthcare Analytics Laboratory, 2016–2017:

- “Using Performance Feedback to Improve Outcomes in the Emergency Department.” University of Chicago Medicine.
- “Assessing the Performance of a Chemotherapy Infusion Center.” University of Chicago Medicine.

- “Financial Analysis of the Neurointensivist Service Line.” University of Chicago Medicine.

Healthcare Analytics Laboratory, 2015–2016:

- “Assessing the Financial Impact of Improved Clinical Documentation.” Rush University Medical Center.
- “Understanding Profitability Over Length of Stay in the Neonatal Intensive Care Unit.” University of Chicago Medicine.
- “Evaluating the Impact of Early Detection and Remote Monitoring on Sepsis Mortality Sponsor.” Presence Health.
- “Evaluating a New Rapid Admissions Process in the Emergency Department.” University of Chicago Medicine.

Healthcare Analytics Laboratory, 2014–2015:

- “Evaluating an Intervention to Reduce Heart Failure Readmissions.” University of Chicago Medicine.
- “Understanding the Behavior of Uninsurable Patients.” Rush University Medical Center.
- “Assessing the Impact of Bundled Payment Incentive Schemes.” Presence Health.
- “A Strategic Plan for Optimizing the Surgical Case Mix.” University of Chicago Medicine.

Healthcare Analytics Laboratory, 2013–2014:

- “Creating a Strategy for the Acceptance of Referred Patients: The Impact of Goodwill.” University of Chicago Medicine.
- “Physician Scheduling with Auctions: iBid for Hospitals.” Loyola University Medical Center.
- “Assessing the Operational Impact of Keeping Surgical Teams Intact.” University of Chicago Medicine.
- “Assessing a New Care Management Program for High-Risk Patients.” Presence Health.
- “Comparing Clinical Return-on-Investment Across Knee Surgeries.” University of Chicago Medicine.

Healthcare Analytics Laboratory, 2012–2013:

- “Optimal Staffing Levels of Medical Personnel in the Face of Census Variability.” University of Chicago Medicine.
- “Productivity Benchmarking and Incentive Design for Home Care Nurses.” Lifetime Home-Care.
- “Demand Prediction for a Healthcare Provider When Care is Affordable for All.” Advocate Health Care.
- “Strategic Capacity Planning and Optimal Patient Flows when Healthcare is Affordable for All.” Advocate Health Care.

Operations Strategy Laboratory, 2012:

- “Forecasting Museum Revenue Flow.” Art Institute of Chicago.
- “Production Planning for a Start-Up.” FLEx Lighting.
- “Root Cause Analysis of On-Time Delivery Problems.” Federal Signal.
- “Analysis of Production in Mexico versus China.” Munchkin.

Presentations INFORMS Phoenix, Fall 2023.
 Koç University, Summer 2023.
 Institute for Mathematical and Statistical Innovation, Spring 2023.
 Booth All Faculty Seminar, Spring 2022.
 Case Western Reserve, Winter 2022.
 Huggins Symposium, UC Medicine Spring 2021.
 University of Illinois at Chicago, Winter 2021.
 Wharton, OPIM, Fall 2020.
 Cedars-Sinai Medical Center, February 2020.
 INFORMS Seattle, Fall 2019.
 Georgia Institute of Technology, School of ISyE, Fall 2019.
 INFORMS Healthcare 2019, Summer.
 Koç University, Healthcare Conference 2019, Summer.
 The MacClean Center for Clinical Medical Ethics, Spring 2019.
 The University of Michigan, Ross School of Business, Fall 2018.
 EURO 2018, Valencia, Summer 2018.
 HDSI Journal Talk, University of Chicago Medicine, Spring 2018.
 The University of British Columbia, Sauder School of Business, Spring 2018.
 The University of Toronto, Rotman School of Management, Spring 2018.
 AMA-UCM Meeting on Opioids, Winter 2018.
 The University of Texas at Austin, McCombs School of Business, Spring 2017.
 Michael M. Davis Lecture, Center for Health Admin. Studies, Univ. of Chicago, Fall 2016.
 Section of Neonatology, Univ. of Chicago Medicine, Summer 2016.
 Chicago Surgical Society, Fall 2015.
 University of Minnesota, ISyE, Fall 2015.
 INFORMS Applied Probability Society, Istanbul, Summer 2015.
 INFORMS San Francisco, November 2014.
 IFORS Barcelona, July 2014.
 Duke University, Fuqua School of Business, Fall 2013.
 Carnegie Mellon University, Tepper School of Business, Fall 2013.
 INFORMS Minneapolis, October 2013.
 IIE International Conference, Istanbul, Turkey, Summer 2013.
 Industrial & Systems Eng. Research Conference, San Juan, Puerto Rico, Spring 2013.
 Speaker, ThyssenKrupp leadership expedition, WDHB Strategic Learning, Spring 2013.
 Olin Business School, Washington University in St. Louis, Winter 2013.
 University of Maryland, Robert H. Smith School of Business, Fall 2012.
 Cornell University, School of ORIE, Fall 2012.
 University of British Columbia, Sauder School of Business, Fall 2012.
 NYU Stern School of Business, Fall 2012.
 INFORMS Revenue Management and Pricing Conference, Summer 2012 (talk + panel).
 SAP Council of Chief Procurement Officers, Singapore, June 2012.
 Production and Operations Management Society, Chicago, Spring 2012.
 Illinois Institute of Technology, Stuart School of Business, Fall 2011.
 INFORMS Charlotte, Fall 2011.
 GE Global Research Labs, Summer 2011.
 INFORMS Revenue Management & Pricing Conference, Columbia Univ., Summer 2011.
 INFORMS MSOM Conference, University of Michigan, Summer 2011.
 INFORMS Austin, Fall 2010.
 University of Chicago, Booth School of Business, All-Faculty Seminar, Fall 2010.
 INFORMS Practice Conference, Orlando, Spring 2010.
 University of Chicago, Booth School of Business, Spring 2010.
 University of Southern California, Marshall School of Business, Fall 2009.
 Harvard Business School, TOM Unit, Fall 2009.
 General Electric Global Research Labs, Fall 2009.

McGill University, Desautels Faculty of Management, Fall 2009.
 Cornell University, ORIE, Fall 2009.
 INFORMS San Diego, Fall 2009. (6 talks)
 INFORMS Applied Probability Conference, Cornell University, Summer 2009.
 Stanford University, ICME Colloquium, Spring 2009.
 Kellogg, Northwestern University, Winter 2009.
 Baltimore INFORMS, Fall 2008.
 Carnegie Mellon University, Tepper School of Business, Fall 2007.
 Duke University, Fuqua School of Business, Fall 2007.
 Tuck School of Business, Winter 2007.
 Pittsburgh INFORMS, Fall 2006. Session talks, and Invited Tutorial on Approximate Dynamic Programming.
 M&SOM Conference, Georgia Tech, Atlanta, Summer 2006.
 San Francisco INFORMS, Fall 2005.
 University of Chicago, Empirical Economics Workshop, Fall 2005.
 M&SOM Conference, Kellogg, Northwestern University, Summer 2005.
 University of British Columbia, Sauder School of Business, Operations and Logistics Division, Summer 2005. 4-part seminar series.
 Cornell University, The Johnson School of Management, Spring 2005.
 University of British Columbia, Sauder School of Business, Operations and Logistics Division, Winter 2005.
 Denver INFORMS, Fall 2004.
 University of Michigan, IOE, Fall 2004.
 Revenue Management and Pricing Conference, MIT, Summer 2004.
 The University of Chicago, Workshop in Operations Management. Spring 2004.
 Atlanta INFORMS Conference, Fall 2003.
 The University of Chicago, Workshop in Operations Management. Fall 2003.
 M&SOM Conference, Los Angeles, Summer 2003.
 Revenue Management and Pricing Conference, Columbia University, Summer 2003.
 Wharton, University of Pennsylvania, Spring 2003.
 San Jose INFORMS Conference, Fall 2002.
 Institute for Mathematics and its Applications, University of Minnesota, Fall 2002.
 MSOM Conference, Cornell University, Summer 2002.
 Optimization Days, Montreal, Summer 2002.
 CORS conference, Toronto, Summer 2002.
 Purdue University, Krannert School of Management, Spring 2002.
 Northwestern University, IEMS, Fall 2001.
 Miami INFORMS Conference, Fall 2001.
 San Antonio INFORMS Conference, Fall 2000.
 The University of Chicago, Workshop in Operations Management. October 2000.
 Mathematical Programming Symposium, Atlanta, GA, August 2000.
 Duke University, December 1999.
 MIT Summer Camp in OM. Sloan School of Management, July 1999.
 Multi-Echelon Inventory Conference, Krannert School of Management, June 1999.
 Montreal INFORMS Conference, Spring 1998.
 INFORMS Conference, Dallas, TX, Fall 1997.
 Columbia University, Graduate School of Business, Winter 1997.
 Cornell University, Industrial Engineering & Operations Research, Winter 1997.
 Carnegie Mellon, GSIA, Winter 1997.
 University of Michigan Business School, Winter 1997.
 Northwestern University, Kellogg Graduate School of Management, Winter 1997.
 University of California, Berkeley, IOE, Winter 1997.
 The University of Chicago, Booth School of Business, Winter 1997.
 Texas A&M, Industrial Engineering, Winter 1997.

George E. Nicholson Prize talk. INFORMS, San Diego, CA, Spring 1997.
 INFORMS Conference, Atlanta, GA, Fall 1996.
 First Annual Symposium of Fellows, U.S. Department of Energy Integrated Manufacturing
 Predoctoral Fellowships Program, Washington, D.C., Fall 1996.
 INFORMS M&SOM Conference, Dartmouth College, Hanover, NH, Summer 1996.
 INFORMS Conference, Washington D.C., Spring 1996.
 AT&T and Bell Laboratories, Norcross, GA, Winter 1994.

Media and Outreach

Booth Healthcare Conference, Payor and Provider Panel Facilitator, 2023
 The Washington Post, “The U.S. forced major manufacturers to build ventilators. Now
 they’re piling up unused in a strategic reserve.”, August 18, 2020
 Kaiser Health News, “White House Left States on Their Own to Buy Ventilators. Inside
 their Mad Scramble.” June 15, 2020
 Associated Press, “Becoming ‘King of Ventilators’ may result in unexpected
 glut.” May 10, 2020.
 Fireside Chat with Dr. Griffin Meyers, CMO of Oak Street Health,
 Feb. 26, 2021. Booth Healthcare Conference.
 Fireside Chat with Dr. Omar Lateef, CEO of Rush University Medical Center,
 ”How to Lead a Hospital in a Pandemic”, Nov. 18. Jointly sponsored by Harry L. Davis
 Center for Leadership and the Healthcare Initiative.
 Podcast: “Operations Management and Health Metrics” (November 2020),
<https://www.headmirror.com/podcast/operations-management-and-healthcare-metrics>
 Chicago Booth Review: “Better allocating ventilators could save thousands of lives,”
 June 4, 2020.
 Chicago Booth Review: “A problem with hospital ratings-and how to fix it”. Winter 2020.
 CBR Website: “Efficient Frontier Hospital Ratings”. Winter 2020
 Chicago Booth Review: “Dan Adelman says health care has a data opportunity,” Winter
 2018.
 The Forefront, UChicago Medicine: “Beyond diet and exercise: Improving heart health for
 those at greatest risk,” August 29, 2017.
 Chicago Booth Review: “Advice for the Next President,” (video and print) Fall 2016.
 Chicago Booth Magazine: “Lab Results,” Winter 2016.
 The Big Question: “Is Big Data Making Us Healthier?” (video) Spring 2015.
 Crain’s Chicago Business: “Amputations are expensive. U of C has an unusual solution,”
 June 27, 2015.
 Capital Ideas: The Big Question, “Is big data making us healthier?,” Spring 2015.
 Capital Ideas: “Relationship advice for suppliers,” and
 “The Equation: How to manage a portfolio of relationships,” Summer 2013.
 Capital Ideas: “Next generation thermostats: Cool air, cooler savings,” Fall 2013.
 Capital Ideas: Selected Papers on Operations Management, “Optimal Mix,” August 2011.
 Cited by Forbes India, August 2, 2011.

Memberships INFORMS, Section on Manufacturing and Service Operations Management (MSOM)
 Institute of Industrial Engineers (IIE)
 Production and Operations Management Society (POMS)
 Math Programming Society

Institutional Service

Course Scheduler, Healthcare. 2023-2024.
 Committee of the Council, The University of Chicago, Elected 2023-2024.
 Faculty Advisory Board, Master of Science in Biomedical Science, UChicago, 2023-2024.
 Booth First Class, Spring 2023.

Senior Faculty Recruiting, Operations Subcommittee Chair, 2023.
 Joint Degree Proposal MBA/MS in Biomedical Sciences, Booth faculty lead, 2022-2023.
 Proposal for Concentration in Healthcare, Booth faculty lead, 2022-2023.
 Diversity & Inclusion Plan for the Operations Group, Organizer, 2022.
 Booth Healthcare Speaker Series, Fireside Chat, Facilitator, 2022.
 Executive MBA Fireside Chat about Healthcare Initiative, 2022.
 Booth Management Conference, Panel Facilitator, 2022.
 Policies/Security for Limited Datasets and Other Sensitive Data, 2019-present
 Advisor/Consultant to University of Chicago Medicine, 2018-present
 Booth Management Conference, "Big data in the classroom", Spring 2021
 Lunch & Learn, Booth Healthcare Club, May 2020
 EMBA Faculty Conversation, Fall 2020
 Report to the Dean on Healthcare at Booth, 2019.
 Ad Hoc Committee on Business Analytics Concentration, Booth, 2017-2018.
 Judge for Biopharmaceutical Strategy Course, Spring 2018.
 First Day: Model Class for Admitted Students, Spring 2018.
 Taskforce on USNWR for Cardiology and Heart Surgery, UoC Medicine, 2017.
 Social Enterprise Initiative, Lunch & Learn, Winter 2016.
 Council of the University Senate, 2008-2011, 2016-2019, 2021-present.
 Service Coordinator, Operations Area, Summer 2016-present.
 Booth Management Conference, Back to the Classroom speaker, Spring 2016.
 Harry L. Davis Center for Leadership, Faculty Advisory Board, 2015-2020.
 The Graduate Program in Health Administration and Policy (GPHAP), UoC, Advisory Board, 2014-2020.
 UChicago Graham School/Argonne Advisory Board for High-Perf. Computing, 2013-2014.
 Management Analytics Workshop Organizer, 2011-2012.
 Alumni Dinner in Singapore, Winter 2012.
 Alumni Dinner in Munich, Germany, Winter 2011.
 Global Leadership Series, London, Winter 2011.
 Model Class for Prospective MBA students. Spring 2008, Fall 2010.
 Curriculum Review Committee, 2007-2008.
 Course Scheduler for Operations Area, 2007-2008.
 Graduate Student Faculty Committee, 2006-2007.
 Ph.D. Area Advisor, OM/MS, 2005-2009, 2010-2012.
 Student orientation curriculum talk, 2000, '03, '06, '08.
 Guest speaker, Management Consulting Group, 2002, '08, '09.
 Substitution coordinator for Operations Area, 1999-2004.

External Service

Operations Research, Search committee for new editor, 2023.
 Practice Prize, Centre for Business Analytics (Melbourne Business School), Judge, 2022.
 Chair, INFORMS Best Paper in PSOR, 2020.
 UChicago Health Tech Hackathon, Mentor, 2018.
 UoC Italy Alumni Scholarship, Selection Committee, 2017.
 Lanchester Prize Committee, Chair, 2017.
 Lanchester Prize Committee, Member, 2016.
 Pierskalla Award, Prize Committee, Member, 2016.
 National Engineering Forum Regional Dialogue and Dinner, Chicago, Fall 2014.
 2013 Chicago CFO Executive Summit, Roundtable discussion leader, Spring 2013.
 Art Institute of Chicago's Marketing Council, 2009-2012.
 Chair, INFORMS Impact Prize Committee, 2006.
 Chair, INFORMS Professional Recognition Committee, 2006.
 Judge, INFORMS Nicholson Prize, 2006.
 Judge, M&SOM student paper prize, 2001, 2002, 2003, 2005.

NSF Proposal Panel Reviewer, Washington D.C., 2000.
 Speaker, INFORMS Doctoral Colloquium, Seattle Washington, 1998.
 NSF Design and Manufacturing Conference Planning, Atlanta, Georgia, 1992.
 Judge, Dantzig Dissertation Prize, 1999-2000.

Students

Dissertation chair or co-chair:

Shanshan Wang ('11, Boston Consulting Group)
 Ayhan Aydin ('12, George Mason University)
 Angelo Mancini ('15, Civis Analytics) (Healthcare Analytics Lab)
 Gizem Yilmaz ('22, Wayfair) (Healthcare Analytics Lab)
 Çağla Keceli ('23, United Airlines) (Healthcare Analytics Lab)
 Gulin Tuzcuoglu (current) (Healthcare Analytics Lab)

PhD Advisor:

Jing Wu (summer paper 2012)
 Emre Koksall (Healthcare Analytics Lab)
 Dilara Sonmez (summer paper 2022, curriculum paper 2023)

Co-author:

Canan Uçkun ('12, Argonne National Laboratory)

Member of doctoral dissertation committee:

Papadaki, Katerina, Ph.D. Princeton 2002. (London School of Economics)
 Yang (Alex) Song. ('10, London Business School)
 Parshan Pakiman (Ph.D. UIC 2023).

Post-doctoral students:

Christiane Barz (UCLA Anderson, University of Zurich)
 Dan Zhang (University of Colorado at Boulder)
 Kanix Wang (University of Cincinnati)
 Arnab Sur (joint with Prof. John Birge)
 Alba V. Olivares Nadal (University of Zurich)
 Jaeyoung Park (current)
 Parshan Pakiman (current)

Other Ph.D. student collaborators (Healthcare Analytics Lab):

Gorkem Unlu (OM)
 Pauline Mourrot (Microeconomics)
 Josh Morris-Levenson (Dept. of Economics)
 Olivia Natan (Marketing)
 Tony Ditta (Economics)
 Sarah Molouki (Behavioral Science)
 Hongfan Chen (Operations Management)
 Sarojini Rao (Dept. of Economics)
 Charles Zou (Statistics & Econometrics)
 Winnie van Dijk (Dept. of Economics)
 Nathan Petek (Economics)
 Luyi Yang (Operations Management)
 Yifan Feng (Operations Management)
 Alice Chen (Economics)
 Robbie Sanders (Marketing)
 Tom Best (Operations Management)
 Matt Stern (Operations Management)
 Damian Kozbur (Statistics & Econometrics)

Medical resident/student collaborators:

Frederick Godley, M.D.
 Hunter Witmer, M.D.
 Chase Corvin, M.D.
 Vanessa Buie, M.D.

Julia Ran (Pritzker medical student)
Undergraduates:
Greg Assare (Economics)

Computer Skills

Debian Linux, C, C++, AMPL, CPLEX, Tableau, Data Science Studio, R, Python.

Other Interests

Turkish language and culture, voice & piano, weightlifting.