PINAR KESKINOCAK

H. Milton and Carolyn J. Stewart School Chair and Professor
H. Milton Stewart School of Industrial and Systems Engineering

I. EARNED DEGREES

August 1997 **Carnegie Mellon University, Pittsburgh, PA**
Ph.D. in Operations Research

May 1994 **Carnegie Mellon University, Pittsburgh, PA**
M.S. in Industrial Administration

July 1992 **Bilkent University, Ankara, Turkey**
M.S. in Industrial Engineering

June 1991 **Bilkent University, Ankara, Turkey**
B.S. in Industrial Engineering

II. EMPLOYMENT

1/25-present *H. Milton and Carolyn J. Stewart School Chair and Professor*, School of Industrial and Systems Engineering (ISyE), **Georgia Institute of Technology (Georgia Tech)**, Atlanta, GA

9/23-12/24 *Associate Chair for Faculty Development*, ISyE, **Georgia Tech**, Atlanta, GA

3/14-12/24 *William W. George Chair and Professor*, ISyE, **Georgia Tech**, Atlanta, GA

3/07-present *Co-Founder* and *Director*, **Center for Health and Humanitarian Systems** (CHHS), an Interdisciplinary Research Center (IRC), **Georgia Tech** (formerly Co-Director with O. Ergun and J. Swann)

7/20-present *Adjunct Professor*, Department of Environmental Health, Rollins School of Public Health, **Emory University**, Atlanta, GA

8/14-6/20 *ADVANCE Professor*, College of Engineering, **Georgia Tech**

7/17-7/18 *Interim Associate Dean for Faculty Development and Scholarship*, College of Engineering, **Georgia Tech**

11/09-12/15 *Associate Director for Research*, Health Systems Institute, **Georgia Tech**

7/11-3/14 *Joseph C. Mello Professor*, ISyE, **Georgia Tech**

7/10-7/11 *Mary Anne and Harold R. Nash Professor*, ISyE, **Georgia Tech**

9/09-9/10 Part-time Faculty on Loan, Preparedness Modeling Unit, **Centers for Disease Control and Prevention**, Atlanta, GA

7/05-6/10 *Associate Professor*, ISyE, **Georgia Tech**

8/02-7/05 *Coca Cola Assistant Professor*, ISyE, **Georgia Tech**

8/99-8/02 *Assistant Professor*, ISyE, **Georgia Tech**

9/97-7/99 *Post-doctoral fellow* - **IBM T.J. Watson Research Center**, Yorktown Heights, NY

7/96-9/96 *Summer intern* - **IBM T.J. Watson Research Center**, Yorktown Heights, NY
9/95-2/96 *Part time consultant* - **Ciscorp**, Pittsburgh, PA
7/95-9/95 *Summer intern* - **Ciscorp**, Pittsburgh, PA
9/91-8/92 *Research Assistant* - **Bilkent University**, Ankara, Turkey
6/90-8/90 *Summer Intern* - **Stora**, Falun, Sweden
6/89-8/89 *Summer Intern* - **National Research Institute**, Bratislava, Czechoslovakia

III. TEACHING

A. INDIVIDUAL STUDENT GUIDANCE

Post-doctoral fellows or Research engineers

1. Hannah Smalley, 2014-present.
2. Andriy Shapoval, 2017-2019.
3. Michail G. Lagoudakis (with A. Kleywegt). February 2004-June 2005.
4. Banu Yuksel Ozkaya, January 2006-June 2007.

Doctoral students[1]

1. Kasarin Charnsirisakskul (with P. Griffin). *Combined price and lead-time quotation strategies*. August 2003.
2. Secil Savasaneril (with P. Griffin). *Collaborative procurement and due date management in supply chains*. November 2004.
3. Na An (with W. Elmaghraby). *Resource modeling and allocation in competitive systems*. March 2005.
4. Andreea Popescu (with E. Johnson). *Air cargo revenue and capacity management*. November 2006.
   - Honorable Mention, 2007 George B. Dantzig Dissertation Award, Institute for Operations Research and Management Sciences (INFORMS[2]).
5. Pelin Pekgun (with P. Griffin). *An analysis of price and leadtime policies within the marketing/operations interface*. November 2007.
   - Honorable Mention, 2008 George B. Dantzig Dissertation Award, INFORMS.
6. Evren Ozkaya (with J. Vande Vate). *Demand Management in Global Supply Chains*. September 2008.
   - Georgia Tech Alumni Association "40 Under 40," 2020

[1] For students who completed their Ph.D.s, I listed the first position after graduation, or the most recent position.

[2] INFORMS is the leading international association for professionals in operations research, analytics, management science, and related fields, with over 12,500 members from around the globe.

- John L. Imhoff Scholarship by the Institute of Industrial Engineers (IIE) in 2006 for excellence in academic and professional achievement and dedication to the industrial engineering profession.
- Honorable Mention, 2008 George B. Dantzig Dissertation Award, INFORMS.

7. Altan Gulcu (with W. Elmaghraby). *Dynamic pricing mechanisms*. December 2008.
8. Ali Ekici. *Emerging Applications of OR/MS: Emergency Response Planning and Production Planning in Semiconductor and Printing Industry*. August 2009.
9. Seonah Lee (with L. Garrow). *Study of Demand Models and Price Optimization Performance*. December 2011.
10. Tuba Yilmaz. *Dynamic Resource Allocation in Manufacturing and Service Industries*. November 2012.
11. Hannah Kolberg Smalley. *Optimization Methods for Physician Scheduling*. September 2012.
    - Health Systems Institute George Fellowship for academic performance and leadership, 2010
    - Finalist, INFORMS Daniel H. Wagner Prize for Excellence in Operations Research Practice, 2010.
12. Jackie Griffin. *Improving Healthcare Delivery through Multi-Objective Resource Allocation*. September 2012.
    - Achievement Rewards for College Scientists (ARCS) Foundation Scholars Award, 2010. (With a $10,000 stipend.)
    - ARCS Foundation Scholars Award, 2011. (With a $7,500 stipend.)
    - George Fellowship for academic performance and leadership, 2011.
13. Pengyi Shi (with J. Dai). *Stochastic Modeling and Decision Making in Two Healthcare Applications: Inpatient Flow Management and Influenza Pandemics*. December 2013.
    - George Fellowship for academic performance and leadership, 2011
14. Monica Villarreal. *Capacity Planning and Scheduling with Applications in Healthcare*. December 2014.
    - George Fellowship for academic performance and leadership, 2009
    - Georgia HIMSS David Z. Cowan Scholarship for leadership, scholarship, vision, experience in healthcare, 2013
15. Melih Celik (with O. Ergun). *Dynamic and stochastic optimization in the context of disaster debris operations*. August 2014.
16. Jia Yan (with T. Ayer). *Optimizing decisions in prenatal screening for Down syndrome and capacity allocation in a school-based asthma care model*. August 2017.
    - Winner, Society for Health Systems Graduate Student Paper Competition, 2017.
17. Ethan Mark (with Dave Goldsman and Joel Sokol). *Using Machine Learning to Estimate Survival Curves for Transplant Patients Receiving an Increased Risk for Disease Transmission Donor Organ Versus Waiting for a Standard Organ*. May 2019.
    - 2018 RADM Fred Lewis Postgraduate I/ITSEC Scholarship ($10,000)
18. Yasaman Mohammad Shahi (with Beril Toktay and He Wang). *Analytics for Sustainable and Retail Operations*. July 2020.
19. Yifan Wang (with S. Kim). *Disease Modeling and Resource Sharing*. June 2020.
20. Xi He (with Yao Xi). *Statistical Detection and Survival Analysis with Applications in Sensor Networks and Healthcare*. July 2020.

21. Seyma Guven Kocak. *Managing Operations in Health and Humanitarian Systems Considering Consistency and Uncertainty*. April 2021.
    - John F. Fargher Scholarship by the Institute of Industrial and Systems Engineering (IISE), 2018.
    - ISyE Outstanding Graduate Teaching Assistant (GTA) Award for 2019.
22. Melike Yildirim. *Cost-Effective Management of Diseases: Interventions and Early Detection for Improved Health Outcomes*. January 2021.
    - CDC Steven M. Teutsch Prevention Effectiveness Fellowship (2021-2023).
    - 2020 GA Healthcare Information and Management Systems Society (HIMSS) David Cowan Scholarship ($3,000)
23. Francisco Javier Castillo Zunino. *Discrete Optimization and Statistical Analysis for Healthcare Applications*. May 2021.
    - Finalist, Poster competition, MIP Workshop, July 15-18, 2019, Cambridge, MA.
24. Kirthana Hampapur (with Dave Goldsman). *Analytics-based approaches to improve patient outcomes in healthcare*. Summer 2022.
    - 2019 GA Healthcare Information and Management Systems Society (HIMSS) David Cowan Scholarship ($3,000) for leadership, scholarship, vision, experience in healthcare
25. Yaarit Cohen (with Benoit Montreuil). *Optimizing Time Sensitive Supply Chain Networks: Restoration, Operations and Design*. December 2022.
26. Arden Baxter (with Mohit Singh). *Coordinated Resource Allocation*. Summer 2022.
    - CDC Steven M. Teutsch Prevention Effectiveness Fellowship (June 2022-June 2024).
    - George Family Foundation Fellowship for academic performance and leadership, 2020.
    - 3rd place, Poster Competition, INFORMS 2020 Annual Conference. "Homebound by COVID19: The Benefits and Consequences of Non-Pharmaceutical Intervention Strategies"
    - Bayer Women in Operations Research Scholarship Competition, Registration Award for INFORMS 2020 Annual Conference
    - National Science Foundation (NSF) Graduate Research Fellowships (GRF), 2019
27. Buse Eylul Oruc Aglar (with Mohit Singh). *Demand Projection and Complex Resource Allocation Decisions on Networks*. Summer 2023.
    - ISyE Outstanding Graduate Teaching Assistant (GTA) Award for 2023.
    - 2022 IISE Gilbreth Memorial Fellowship.
    - 2021 GA Healthcare Information and Management Systems Society (HIMSS) David Cowan Scholarship ($3,000)
    - George Family Foundation Fellowship for academic performance and leadership, 2020.
    - 3rd place, Poster Competition, INFORMS 2020 Annual Conference. "Homebound by COVID19: The Benefits and Consequences of Non-Pharmaceutical Intervention Strategies"
28. April Zhuoting Yu. *Disease prevention, control, and treatment*. Summer 2023.
    - George Family Foundation Fellowship for academic performance and leadership, 2020.
29. Daniel Kim. *Modeling and Analytics to Inform Resource Allocation and Policy Decisions*. June 2024.
    - Winner (with Amanda Chu and Jin Noh), The Homeland Security Advisory Council 7th annual Crisis Management Case Challenge, 2019
    - Institute for People and Technology (IPaT) Research Fellowship ($25K), 2021.
    - George Family Foundation Fellowship for academic performance and leadership, 2021, 2023.

- CDC ORISE Fellowship, June 2022-June 2023.

30. Akane Fujimoto Wakabayashi. *Modeling and analytics for resource allocation, interventions, and equity in public health*. September 2024.
    - CDC ORISE Fellowship, June 2021-June 2022.
    - 2020 GA Healthcare Information and Management Systems Society (HIMSS) David Cowan Scholarship ($3,000)
    - George Family Foundation Fellowship for academic performance and leadership, 2020.
31. Amanda Chu. Started research in Fall 2015. Passed OR comprehensive exam in January 2017. Completed thesis proposal in Fall 2019.
    - Finalist, IISE/SEE Outstanding Innovation in Service Systems Engineering Award, 2021.
    - Finalist, INFORMS Daniel H. Wagner Prize for Excellence in Operations Research Practice, 2019.
    - Winner (with Daniel Kim and Jin Noh), The Homeland Security Advisory Council 7th annual Crisis Management Case Challenge, 2019.
32. Yuming Sun (with Lauren Steimle). Joined Ph.D. program in 2020. Passed comprehensive exam in Fall 2022. Completed thesis proposal in 2024.
    - Thos and Claire Muller PhD Student Fellowship for Research Excellence in Health Analytics and Health Systems, Georgia Tech, 2024.
    - INFORMS Health Applications Society (HAS) Seth Bonder Scholarship, 2023.
    - The American Association for the Advancement of Sciences (AAAS) Graduate Student E-poster Competition Honorable Mention in Medicine and Public Health, 2024.
    - Georgia Tech George Family Fellowship, 2025, 2024, 2022, 2021
    - Georgia Tech Stewart Fellowship, 2021
33. Xingjian Wang. Joined Ph.D. program in Fall 2023. Passed Comprehensive exam in Fall 2023.
34. Hongyu Xue (with Lauren Steimle). Joined Ph.D. program in Fall 2024.
35. Priscilla Zhang (with Nicoleta Serban). Joined Ph.D. program in Fall 2024.

Visiting Ph.D. students

1. Halenur Sahin, Middle Eastern Technical University, Turkey, Fall 2017-Spring 2018.
2. Lucas Vogels, Delft University of Technology, 2019.

Additional MS or Ph.D. students advised or co-advised on one or more presentations or paper

1. Hongyu Xue and Taehoon Kim (co-advised with Lauren Steimle), Polio disease modeling, 2023.
2. Hannah Wilborn (with Mathieu Dahan). Started research in Fall 2018. Passed comprehensive exam in Spring 2020. Left the program in December 2021.
3. Jingyu Li and Selin Bayramoglu, *Improving Quality of Care for Diabetes in South Asia*, 2019-2021.
4. Tyler Perini (Advisor: Natashia Boland), *Guinea Worm Disease Spread Modeling*, 2017-2019.
5. Idil Arsik. Started research in Summer 2015. Passed comprehensive exam in February 2016. Switched to a different advisor in Summer 2018.

6. Zihao Li (Advisor: Julie Swann), *Value of Inventory Information in Allocation of Flu Vaccine in Limited Supply*, 2016.
7. Alex Stroh (Advisor: Juel Sokol), *Organ Allocation and Survival Curve Estimation*, 2016-2018.
8. Ana Maria Estrada Gomez (Advisor: Kamran Paynabar), *Organ Allocation and Survival Curve Estimation*, Fall 2017.
9. Ozgun Caliskan Demirag (Advisor: Julie Swann), *Decentralized Demand Management in Logistics Systems and Supply Chains*, Summer 2007.
10. Serhan Duran (Advisor: Julie Swann), *Optimizing Demand Management in Stochastic Systems to Improve Flexibility and Performance*, Summer 2007.
11. Jessica Heier-Stamm (Advisors: Ozlem Ergun and Julie Swann), *Optimization of Decentralized Logistics Systems*, Fall 2010.
12. Jan Vlachy (Advisor: Turgay Ayer), *Continuous Electroencephalography for Seizure Detection in PICU: Who should we monitor*? Fall 2013-Fall 2014
13. Xinmin Wu, The Logistics Institute Asia Pacific (TLI-AP) dual degree student. December 2002.
14. Chya-Li Liaw, The Logistics Institute Asia Pacific (TLI-AP) dual degree student. December 2007.

Graduate/undergraduate research or independent study

- Sofia Varmeziar, Fall 2022, "Vaccine update analysis in the state of Georgia"
- Jessica Rawls, Fall 2022, Spring 2023 "Improving patient flow at Shepherd Center"
- Matthew Levine, Fall 2022, "Equity and access in organ transplantation"
- Samy Ahmed Amer, Fall 2022, Spring 2023 "Agent-based modeling for Covid-19"
- Varinthorn (Pear) Banjurtrungkajorn, Summer 2018, "Investigating Strategic Ordering & Forecasting Behavior in a 2-stage Supply Chain"
- Nicolas Tailhardat, Summer 2016, "Aflac Cancer Center Process Flow Improvement"
- Qing Li, Summer 2013, "Family Centered Rounds" and "Unplanned Extubation"
- Jeremy Poinsot, Summer 2013, "Gaming in the Supply Chain"
- Can Ozuretmen, Summer 2012, "Pricing and Revenue Management"
- Jia Yan (with Julie Swann), Spring 2012, Summer 2012, "The Impact of Opening Flu Clinics in Case of a Pandemic Influenza"
- CHAMP (Caribbean Hazard Assessment, Mitigation, and Preparedness) (with Ozlem Ergun, Julie Swann, and Pelin Pekgun). Students: Ramu Annamalai, Shelly Ballard, Melih Celik, Ben Johnson, Alvaro Lorca, Jennifer Sisson (Fall 2011 - Spring 2012).
- Amanda Mejia, Summer 2009, "The Use of Ceramic Filters for Safe Drinking Water" (In collaboration with FilterPure)
- Swetha Krishnakumar, Spring 2009, "Societal Applications of OR/MS"
- Amanda Meija, Spring 2009, "Humanitarian Logistics"
- Gonca Karakus (co-advised with Julie Swann), Summer 2008, "Developing a Supply Chain Game for Emergency Response Preparedness"
- Pengyi Shi (co-advised with Julie Swann), Summer 2008, "Modeling Influenza Pandemic"
- Shuangjun Xia, Summer 2008, "Modeling Patient Flow in a Hospital's Obstetric's Unit"

- Paul Kerl (co-advised with O. Ergun and J. Swann), Fall 2007-Spring 2008, "Humanitarian Logistics"
- Shaudi Hosseini, Summer 2007, "Vaccine and Food Distribution during Pandemic Influenza"
- Justin Melvin, Summer 2006-Spring 2007, "Coordinating Robot Teams"
- Evren Ozkaya, Spring 2005, "The Impact of RFID on Inventory Management"
- Ozgul Baysar, Fall 2004, "Dealer and Customer Incentives in Auto Manufacturing" (with Julie Swann)
- Murat Aka, Summer 2003, "Dynamic Pricing of Multiple Related Products" (with Julie Swann)
- Thomas Hays, Fall 2001, "Logistics Challenges for E-Grocers"
- Diego Alejandro and Steven Watts, Fall 2001, joint project with Delta Airlines to analyze flight data to understand primary causes for delays.
- Tiannia Washington, Spring 2000, "Logistics Challenges for Selling Perishables Online"
- John Graham, Spring 2000, "Transportation Exchanges"
- Virginia Malcome, Spring 2000, "Logistics of Selling Groceries Online"
- Jonathan Maguire, Summer 2000, "Transportation Exchanges"
- Altan Gulcu, Summer 2000, "Multi-unit Dutch Auctions"
- Peter Han, Summer 2000, "Auction Mechanisms on the Internet"

B. OTHER TEACHING ACTIVITIES

B1. Curriculum development – Continuing education

1. *Certificate Program in Health and Humanitarian Supply Chain Management*.
   This continuing education program was co-developed by O. Ergun, P. Keskinocak, and J. Swann in 2011 with the first series of three courses offered in 2012.This executive learning program is designed for practitioners in non-governmental organizations, government, and industries who are active participants in humanitarian relief operations or long-term health or development environments and are seeking to logistics strategies and to build skills to improve decision making in preparedness, response, and system design.
   The three-course series fulfills the need for greater capacity building in the health and humanitarian sectors and the completion of all three courses results in a logistics certificate.
   - Responsive Supply Chain Design and Operations
   - Inventory Management and Resource Allocation in Supply Chains
   - Systems Operations and Strategic Interactions in Supply Chains

   The courses include many interactive components, such as case studies and games, which help professionals in the health and humanitarian world to link the challenges and decision-making trade-offs they face in practice with the systematic approaches, tools, and techniques presented.

B2. Curriculum development – Graduate education

2. ISyE 6320 (formerly ISyE 8803 *Health and Humanitarian Applications of OR/MS* and ISyE 8813; approved to become a permanent course in 2010) – *Public Impact Applications of Operations Research and Management Science*: This course focuses on the applications of OR/MS with impact in health and humanitarian systems, and the public sector in general. Course topics include infectious

and non-infectious disease modeling, patient flow optimization, hospital operations management, disaster preparedness (e.g., prepositioning supplies), disaster response and recovery, immunization scheduling, vaccine procurement, medical decision-making, school bus routing, etc. Students participating in this course worked on real-world projects with government or non-profit organizations including CDC, Children's Healthcare of Atlanta, Grady Hospital, Georgia Department of Public Health, Magee Women's Hospital, Carter Center, Denver Public Schools, Shepherd Center, University of Pittsburgh Medical Center, Task Force for Global Health, and Heart to Heart International.

3. ISyE 6380 – *Production Planning and Control* (co-developed with D. Nazzal and J. Swann): This course is part of the online degree program PMML (Professional Master's Degree in Manufacturing Leadership). The primary objective of this course is to gain a quantitative and intuitive understanding of a set of modeling and analysis skills for managing and designing production systems. Topics include aggregate production planning, materials requirement planning, deterministic and stochastic inventory control policies, basic factory dynamics, influence of variability on performance, push vs. pull production control, and operations scheduling.
4. ISyE 6230 – *Economic Decision Analysis*: This course focuses on the interactions between multiple players (decision makers), such as suppliers, manufacturers, retailers, consumers, etc., and the resulting dynamics in a market environment. In particular, it focuses on the strategic behavior of the players in the market, the impact of the market (or contract) structure on the participants' actions and the overall market dynamics. P. Keskinocak taught the course in Spring 2003 and 2004 (both video-taped for distance learning), by partly redesigning and adding new content to it. She also developed an extensive set of lecture notes and presentation slides. This course is now included in the required course list of the Economic Decision Analysis track.
5. ISyE 8900 – *Graduate Seminar in Combinatorial Auctions*: This course was co-developed by P. Keskinocak, O. Ergun, and J. Sokol in 2002 with the goals of exploring the new and exciting area of combinatorial auctions and improving the presentation skills of the participants. Focusing on advanced and up-to-date topics of interest to Ph.D. students, the course exposes students to subjects that might otherwise not be covered in their courses and helps them acquire expertise in certain areas of combinatorial auctions. It challenges the students to dispute and deal with advanced material, typically based on original literature from the forefront of current research and helps them develop and strengthen their skills of reading and understanding original scientific articles.

B3. Curriculum development – Undergraduate education

6. ISyE 4803 – *Public Health Systems* (co-developed with Nicoleta Serban): This course is developed and first offered in Fall 2021. Health systems, public health, and medicine changed and advanced leaps and bounds over the past decades. The availability of data and various technologies provide tremendous new opportunities for improving public health, supporting prevention, early detection, or treatment of diseases, and enabling the promotion of healthy lifestyles. Quantitative methods can support and improve decision-making in public health, especially when the decisions are complex, and the resources are limited. However, many of the decisions are still made following a "case-based" approach, based on experience and intuition, and do not utilize the advances in quantitative decision-making to the extent possible. Hence, there are many opportunities for improving individual and population health decisions, as well as the efficiency and effectiveness of healthcare delivery. This course provides an overview of the various applications of quantitative decision-making approaches in health systems and public health, exploring their potential positive impact in better evaluating trade-offs and improving the overall health and well-being of individuals and populations and efficiency and effectiveness of health systems.

7. ISyE 4803 – *Societal and Humanitarian Applications of OR/MS*: The successful applications of OR/MS tools and techniques have resulted in positive impact in many industries, helping companies lower their costs, offer better service, and increase profits. OR/MS tools have an equally strong potential for making a positive impact in the society as well, e.g., through their use in societal, health, and humanitarian applications. Some of these applications are related to meeting the ongoing needs of the society, such as ambulance routing, location of public service facilities, and delivery of blood to hospitals. Many parts of the world suffer from the lack of basic necessities, including shelter, water, food, education, basic health care, and safety, identified in "humanity's top 10 problems over the next 50 years." This course provides an introduction to some important problems with societal impact and explores how OR/MS tools can be used in addressing those problems. The course also engages students in projects with potential societal impact, creating awareness towards societal issues, and encouraging students to transform that awareness into positive action. This course is offered in Fall 2009.

B4. Teaching materials[3]

1. P. Keskinocak and S. Tayur, "Managing Operations in the Time-shared Jet Business," teaching case. (First place, 2000 INFORMS Best Teaching Case Award).

   Among important decisions for time-shared jet companies are 1) deciding on the size and the mix of the fleet and the crew, and 2) routing/scheduling of the jets to meet the service requirements while minimizing costs. This case focuses on the day-to-day operational activity of routing/scheduling and briefly touches upon the strategic decisions on fleet and crew size and mix. It has been successfully used at several universities in graduate and undergraduate courses in computer science, industrial engineering and business administration, including CS 635-Tools and Environments for Optimization (Fall 1998, Fall 2002, University of Wisconsin-Madison), Modeling for Management Science Applications (Summer 1998, 1999, Carnegie Mellon University), 45-865 Sequencing and Scheduling (Spring 2000, Carnegie Mellon University), 46-766 Supply Chain Management (Fall 1999, Carnegie Mellon University), MGTSC 467 Analytical Techniques for Management Consulting (Fall 2003, University of Alberta, Canada) and ISyE 4231-Engineering Optimization (Spring 2001, Georgia Institute of Technology).

2. W. Elmaghraby and P. Keskinocak, "Technology for Transportation Bidding at the Home Depot," teaching case. (Finalist, 2002 INFORMS Best Teaching Case Award)

   This case is based on The Home Depot's Internet-based application of combinatorial bidding in selecting carriers for its transportation needs. It discusses bidding and bid selection issues, and the challenges faced in implementing a mechanism that addresses various technological issues and the need for educating the bidders. The case has been used in several classes at a number of universities, including ISyE 8800-The Economics of E-Commerce (Fall 2000, Georgia Tech), ISyE 6230-Economic Decision Analysis (Fall 2001, Georgia Institute of Technology), E-Commerce (Fall 2000) and Information Technology (Spring 2001) in the Georgia Institute of Technology Executive Masters for International Logistics (EMIL) program, OIM 640-Transportation and Business Logistics (Spring 2002, University of Wisconsin-Madison), MGMT 298D: E-Business and Supply Chains (Fall 2000, University of California-Los Angeles), Manufacturing System and Supply Chain Design (Spring 2006, Sloan School of Management, MIT).

3. F. Erhun and P. Keskinocak, "Game Theory in Business Applications," lecture notes.

   With an emphasis on the applications of game-theoretic concepts in practice, these lecture notes discuss the difference between game theory and decision analysis, provide the basic building blocks of a game, followed by static and dynamic games of complete information, discuss the application of complete information games to general market settings and supply chains, games of incomplete

[3] Teaching materials are available from Pinar Keskinocak's web page http://www.isye.gatech.edu/people/faculty/Pinar_Keskinocak/home.html.

information and their applications within the principal-agent framework. The notes have been used in MS&E 365-Game Theoretic Models in Operations Management (Fall 2003, Stanford University) and ISyE 6230-Economic Decision Analysis (Spring 2004, Georgia Institute of Technology).

4. M. Drake, O. Ergun, G. Karakus, P. Kerl, P. Keskinocak, J. Swann, M. Villarreal, "Humanitarian Response Planning at the Home Depot," teaching case. (Third place, 2010 INFORMS Best Teaching Case Award)

   Motivated by real world problems generalized from a series of interviews with Home Depot's disaster response team, the goal of this case study is to exemplify the application of operations research concepts, methodology and intuition to challenges faced in relief logistics, which may be different than the ones typically faced in the idealized commercial supply chain settings. Issues include unpredictable disasters of unpredictable magnitude that lead to unpredictable demand, the speed in which a supply chain must be constructed once a disaster is realized, the limited visibility of needs, and the need for dynamic decisions. The case has been used in the Supply Chain Module of the Master of Advanced Studies in Humanitarian Logistics and Management Program in University of Lugano, Switzerland (July 2009) and in ISyE 4803-Societal/Humanitarian Applications of OR/MS (Fall 2009) at Georgia Tech.

5. O. Ergun, J. Heier Stamm, P. Keskinocak, J. Swann, "Lessons in Disaster Supply Chain Management from Waffle House Restaurants," teaching case. (First runner-up, 2009 INFORMS Best Teaching Case Award)

   Natural and man-made disasters present an increasing challenge to the management of supply chains both for businesses and humanitarian response agencies. Sharing best practices enables the continued improvement of processes that can further impact lives and livelihoods in the event of a disaster. This case study highlights the experiences of Waffle House Restaurants, which has been nationally recognized for its response to hurricanes in the United States. It also includes questions that instructors or managers can use to help students or supply chain professionals develop analytical approaches to the challenges presented by disaster response. The case has been used in the Supply Chain Module of the Master of Advanced Studies in Humanitarian Logistics and Management Program at the University of Lugano, Switzerland (July 2009) and ISyE 4803-Societal/Humanitarian Applications of OR/MS (Fall 2009) at Georgia Tech.

6. P. Keskinocak, P. Pekgun, S. Xia, "Interactive Supply Chain Game," classroom game. The primary goal of this game is to investigate the interplay between the supplier's inventory allocation mechanism and the customers' demand forecast and orders, i.e., to determine how customers revise their forecasts and orders in response to the supplier's allocation mechanism. The game has been played in ISyE 6230-Economic Decision Analysis (Spring 2009, Spring 2010, Spring 2011), ISyE 4301-Supply Chain Economics (Spring 2009, Spring 2010), ISyE 3104-Supply Chain Models: Manufacturing Logistics (Summer 2009), and Supply Chain and Logistics Institute short course on Inventory Planning and Management (Spring 2012) at Georgia Tech.

7. O. Ergun, G. Karakus, P. Keskinocak, J. Swann, M. Villarreal. "Big Depot Hurricane Planning," classroom game. This game provides a synthesis between contracting and allocating inventory under demand uncertainty. It has a table-top structure, starting with general information about the supply chain setting, conditions and operations; then, every step begins with some data and information that should be used to make decisions about expected issues in the exercises. Players assume roles, which may well affect their incentives and priorities, and therefore the decisions they make. The game has been played in ISyE 6203-Transportation and Supply Chain Systems (Spring 2009) , ISyE 4803-Societal/Humanitarian Applications of OR/MS (Fall 2009) at Georgia Tech and in the Supply Chain Module of the Master of Advanced Studies in Humanitarian Logistics and Management Program in University of Lugano, Switzerland (July 2009).

8. J. Griffin, P. Keskinocak, H. Smalley, M. Soldner, J. Swann. "Designing a Malaria Intervention Supply Chain," teaching case and classroom game. (Finalist, 2011 INFORMS Best Teaching Case Award)

This case study and the corresponding Excel-based interactive classroom game detail the real world decisions made in the design and operations indoor residual spraying (IRS), i.e., is the application of insecticide to the inside of dwellings, to protect against malaria. Decisions include locating distribution centers, scheduling deployment of spray teams, and allocating scare resources. The interactive classroom game allows students to examine the consequences of design decisions in IRS supply chain design and operations. Students gain an understanding regarding the trade-offs and complexities in decision making utilizing scarce resources, and systematic approaches (e.g., using modeling) for effectively making and evaluating such decisions. The game and case study have been used in the numerous classes in the US and around the world, including Georgia Tech, University of Arkansas, Penn State, Southern Polytechnic University, and University of Lugano, Switzerland, both within undergraduate and graduate degree programs and also executive education.

9. O. Ergun, L. Gui, J. L. Heier Stamm, P. Keskinocak and J. L. Swann. "Supply Chain Coordination and Collaboration in Haiti: A Case Study of The Salvation Army's Use of the UPS Trackpad," teaching case and "TraceInfo Cost Allocation Game" classroom game. 2012. Based on our interaction in Haiti with the Salvation Army and UPS, the case describes humanitarian supply chain operations involving many different parties, such as government, military, private, and non-governmental organizations and individuals. Well-coordinated interactions between parties can capitalize on synergies and lead to improved humanitarian outcomes, yet there are many barriers to cooperation. We document the benefits of a public-private partnership that formed in the aftermath of the January 2010 earthquake in Haiti. The partnership contributed to improved operations in one of the many camps for internally displaced persons. Motivated by this case study and our discussions with organizations active in the response to the earthquake, we introduce cooperative game theory models and explore the insights they provide toward facilitating coordination in future humanitarian operations.

Executive teaching

1. Health and Humanitarian Supply Chain Management Certificate Program. Taught annually in May, 2012-2019 in person, and virtually during 2020-2023, various topics including:
    - Pre-positioning Emergency Supplies
    - Inventory Management Subject to Uncertain Demand
    - Introduction to Systems
    - Supply Chain Collaboration and Coordination
    - Resource Allocation for Malaria Prevention
2. "Inventory Planning and Management," SCL short course, lectured on multiple topics (Fall 2015, Spring 2017)
3. "Gaming in the Supply Chain," (with Pelin Pekgun) SCL short course on Inventory Planning and Management, February 28 - March 1, 2012.
4. "Supply Chain Management in the Humanitarian Sector," Executive Masters for Humanitarian Logistics Management, University of Lugano, Switzerland, April 12-14, 2010.
5. "Supply Chain Collaboration and Coordination," SCL short course on Supply Chain and Logistics Optimization, March 31-April 2, 2008.
6. "Supply Chain Collaboration and Coordination," The Logistics Institute short course on Logistics Optimization, April 2-4, 2007.
7. "Supply Chain Management Part I: Fundamentals of Inventory Management," Diamax Industries, Atlanta, GA, March-April, 2007.
8. "Supply Chain Management Part I: Fundamentals of Inventory Management," (with Esma Gel from Arizona State University), Intel Corporation, Chandler, AZ, April 24-25, 2006.

9. "Supply Chain Collaboration and Coordination," The Logistics Institute short course on Logistics Optimization, April 3-5, 2006.
10. "Supply Chain Collaboration," The Logistics Institute short course on Logistics Optimization, April 4-6, 2005.
11. "Dynamic Pricing and Revenue Optimization," The Logistics Institute short course on Logistics Optimization, April 5-7, 2004.
12. "Dynamic Pricing and Revenue Optimization," The Logistics Institute short course on Transportation, Distribution, and Logistics Modeling, February 5-7, 2003.
13. "E-Logistics And Dynamic Pricing Strategies For E-Commerce," Dupree College of Management Certificate Program on Strategies for E-Business, April 17, 2001.
14. "E-Logistics," Dupree College of Management Certificate Program on Strategies for E-Business, December 5, 2000.
15. "E-Commerce" course in Executive Masters for International Logistics (EMIL), September 2000.
16. "Logistics Short Course," TLI Professional Education, June 22, 2000.
17. "E-Logistics," TLI-AP Professional Continuing Education Course, April 3, 2000 (Singapore).

Other teaching

- Lectures at the Ph.D. Summer Academy at Zaragoza Logistics Center, Spain, June 2018.

IV. SCHOLARLY ACCOMPLISHMENTS

A1. PUBLISHED BOOKS and MAJOR REFERENCE WORK

1. K. Kempf, P. Keskinocak, R. Uzsoy (editors), *Planning Production and Inventories in the Extended Enterprise: A State of the Art Handbook*, Kluwer Academic Publishers.
    - Volume I (November 2010); Volume II (April 2011)
2. J. Cochran (editor-in-chief); T. Cox, P. Keskinocak, J. Kharoufeh, C. Smith (area editors), *Encyclopedia of Operations Research and Management Science* (EORMS), John Wiley & Sons. EORMS is a major reference resource devoted to the field of operations research theory and methodology. The encyclopedia became available electronically in 2010 and the print version became available in 2011. *EORMS* features over 600 articles from 1,000-plus authors (from academia, private industry, nongovernmental organizations, and government and military agencies) from 45 countries; the print version consists of eight volumes with over 6000+ pages.
    - Recent reviews have appeared in *Interfaces*, 41(6), November–December 2011, pp. 599–601; *Choice*, September 2011; Mildred F. Sawyer Library Blog (http://sawyerlib.blogspot.com/search?q=wiley+encyclopedia)
    - The *Reference and User Services Association* (*RUSA*) has named *EORMS* the Outstanding Business Reference for 2011. (Publishers and others in the industry often cite the RUSA's Outstanding Reference Sources list as the highest award or honor for reference books or reference ebooks, and many traditional publishers consider RUSA to be "the authority in top reference works".)
3. J. Cochran (editor-in-chief); N.T. Argon, M. Bjarnadóttir, T. Cox, P. Keskinocak; C. Smith (area editors), *Encyclopedia of Operations Research and Management Science 2e* (EORMS2e), John Wiley & Sons (April 2016-present)

4. J. Featherstone, O. Ergun, K. Fulton, W. Hopp, P. Keskinocak, B. Koon, A. Lippert, S. Mannan, C. Philip, K. Smith (2019), "Strengthening Post-Hurricane Supply Chain Resilience: Observations from Hurricanes Harvey, Irma, and Maria," *National Academies of Sciences, Engineering, and Medicine*, Washington, DC. The National Academies Press. https://doi.org/10.17226/25490

    - Remarks of President Joe Biden – 2023 State of the Union Address as Prepared for Delivery, Annotated - Notes From NAP

5. *National Academies of Sciences, Engineering, and Medicine and National Academy of Medicine* (2022, "Globally Resilient Supply Chains for Seasonal and Pandemic Influenza Vaccines," Washington, DC: The National Academies Press. https://doi.org/10.17226/26285.

6. Kreitzer, M. J., K. Carter, D. S. Coffey, E. Goldblatt, C. Grus, P. Keskinocak, M. Klatt, T. Mashima, Z. Talib, and R. Valachovic (2018), "Utilizing a Systems and Design Thinking Approach for Improving Well-Being within Health Professional Education and Health Care," NAM Perspectives Commentary, *National Academies of Sciences, Engineering, and Medicine*, Washington, DC. https://doi.org/10.31478/201901b

A2. BOOK CHAPTERS

1. E. Gel, P. Keskinocak, T. Yilmaz (2020), "Dynamic Price and Lead Time Quotation Strategies to Match Demand and Supply in Make-to-order Manufacturing Environments," in *Women in Industrial and Systems Engineering*, A. Smith (editor), Springer. (Invited and refereed)
2. M. Celik, P. Keskinocak, M. Soldner, and J. Swann (2016). "Humanitarian Applications of Supply Chain Optimization," *Advances and Trends in Optimization with Engineering Applications*, T. Terlaky, M. Anjos, and S. Ahmed (editors), SIAM. (Invited and refereed).
3. T. Ayer, P. Keskinocak, and J. Swann (2014). "OR/MS Research in Public Health," *TutORials in Operations Research*, INFORMS, A. Newman (editor) and C. Smith (series editor). (Invited and refereed).
4. A. Lasry, M. Washington, H. Smalley†, F. Engineer, P. Keskinocak, L. Pickering (2013), "Public Health Modeling at the Centers for Disease Control and Prevention," in *Operations Research and Healthcare Policy*, G. Zaric (editor), International Series in Operations Research and Management Science, Vol.190, 3-16. Springer, New York. (Invited)
5. J.A. Griffin, J. Swann, and P. Keskinocak (2013), "Allocating Scarce Healthcare Resources in Developing Countries: A Case for Malaria Prevention," in *Handbook of Health Care Operations Management*, Brian Denton (editor) and F. Hillier (senior editor), Springer, Vol.184, 511-532. (Invited and refereed)
6. O. Ergun, G. Karakus, P. Kerl, P. Keskinocak, J. Swann, M. Villarreal (2012), "Disaster Response Planning of the Private Sector and the Role of Operations Research," *Handbook on Operations Research for Homeland Security*, J. Herrmann (editor) and F. Hillier (senior editor), International Series in Operations Research and Management Science, Vol.183, Springer) 197-217. (Invited and refereed)
7. S. Duran, O. Ergun, P. Keskinocak, J. Swann (2012), "Humanitarian Logistics: Advanced Purchasing and Pre-positioning of Relief Items," *Handbook of Global Logistics: Transportation in International Supply Chains (International Series in Operations Research & Management Science)*, J. H. Bookbinder (Ed.), Springer, New York, 181: 447-462. (Invited and refereed)
8. M. Celik, O. Ergun, B. Johnson, P. Keskinocak, A. Lorca, P. Pekgun, J. Swann (2012). "Humanitarian Logistics," *New Directions in Informatics, Optimization, Logistics, and Production, TutORials in Operations Research*, P. Mirchandani (editor) and C. Smith (series editor), INFORMS, Hanover, 18-49. (Invited and refereed).

9. A. Popescu, P. Keskinocak, I. al Mutawaly (2011) "The Air Cargo Industry," *Intermodal Transportation – Moving Freight in a Global Economy*, L.A. Hoel, G. Giuliano, M.D. Meyer (editors), Eno Transportation Foundation, Washington, DC, 209-237. (Invited and refereed)
10. F. Erhun, P. Keskinocak, S. Tayur (2011), "Dynamic Procurement, Quantity Discounts, and Supply Chain Efficiency," the *Handbook on Innovative Schemes for Supply Chain Coordination under Uncertainty*, T.-M. Choi and T.C.E. Cheng (editors), Springer-Verlag, Berlin Heidelberg, 219-234. (Invited and refereed)
11. A. Ak[†], O. Ergun, J. Heier[†], P. Keskinocak, C. Wardell[†] (2010), "Improving the Pan American Health Organization's Vaccine Supply Chain," submitted to *Humanitarian Logistics and Supply Chains: Case Studies and Research Issues*, D. Goldsman, P. Goldsman, and S. Kumar (editors), Taylor and Francis.
12. O. Ergun, G. Karakus[†], P. Keskinocak, J. Swann, and M. Villarreal[†] (2010), "Operations Research to Improve Disaster Supply Chain Management," *Encyclopedia of Operations Research and Management Science*, J. Cochran (editor), Vol. 6, John Wiley & Sons, 3802-3810. (Invited and refereed)
13. F. Erhun, P. Keskinocak (2010), "Collaborative Supply Chain Management," *Planning Production and Inventories in the Extended Enterprise: A State of the Art Handbook*, K. Kempf, P. Keskinocak, R. Uzsoy (editors), Kluwer Academic Publishers, 233-268. (Invited and refereed)
14. P. Keskinocak, S. Tayur (2004), "Due-Date Management Policies", in *Handbook of Quantitative Supply Chain Analysis: Modeling in the E-Business Era*, D. Simchi-Levi, S.D. Wu, and Z.M. Shen (editors), International Series in Operations Research and Management Science, Kluwer Academic Publishers, Norwell, MA, 485-553. (Refereed)
15. P. Griffin, P. Keskinocak, S. Savasaneril[†] (2004), "The Role of Market Intermediaries for Buyer Collaboration in Supply Chains," in *Applications of Supply Chain Management and E-Commerce Research in Industry*, E. Akcali, J. Geunes, P.M. Pardalos, H.E. Romeijn, and Z.J. Shen (editors), Kluwer Academic Publishers, Chapter 3, 87-118. (Refereed)
16. T. Hays[†], P. Keskinocak, V. Malcome de Lopez[†] (2004), "Strategies and Challenges of Internet Grocery Retailing Logistics," in *Applications of Supply Chain Management and E-Commerce Research in Industry*, E. Akcali, J. Geunes, P.M. Pardalos, H.E. Romeijn, and Z.J. Shen (editors), Kluwer Academic Publishers, Chapter 8, 217-252. (Refereed)
17. S. Datta, R. Betts, M. Dinning, F. Erhun, T. Gibbs, P. Keskinocak, H. Li, M. Li, M. Samuels (2004), "Adaptive Value Networks: Emerging Tools and Technology as Catalysts," in *Evolution of Supply Chain Management*, Y.S. Chang, H.C. Makatsoris, H.D. Richards (editors) Kluwer Academic Publishers, Boston, MA, 3-67. (Reviewed by the editors.)
18. W. Elmaghraby, P. Keskinocak (2003), "Combinatorial Auctions in Procurement," in *The Practice of Supply Chain Management*, C. Billington, T. Harrison, H. Lee, J. Neale (editors), Kluwer Academic Publishers, 245-258. (Reviewed by the editors.)

B. REFEREED PUBLICATIONS[†]

B1. Published/accepted papers in refereed journals

1. A.B. Fujimoto[†], P. Keskinocak, D. Nazzal, "Variation in COVID-19 vaccination and adverse outcomes: a state of Georgia case study," *BMC Public Health*, Sep 25, 3128. https://doi.org/10.1186/s12889-025-24260-4. (Revised and accepted in 2025)

[†] The author was a graduate or undergraduate student at Georgia Tech when (part of) this research was completed.

2. Z. Zhang†, M. Yildirim, P. Keskinocak, Y.B.S., Dasthagirisaheb, S. Hinderstein, K. Tran, M. Crockett, M. Burns, H. Johnson, M. Popstefanija, L.C. Madoff, S.I.Pelton, I. Yildirim (2025) "Serotype Specific Pneumococcal Vaccine Effectiveness in Children with Sickle Cell Disease: A Two-Decade Analysis," *Vaccine*, May 2:56:127193. doi: 10.1016/j.vaccine.2025.127193 (Revised and accepted in April 2025).
3. L. Xie†, X. He†, P. Keskinocak, Y. Xie (2025), "Survival Analysis with Graph-Based Regularization for Predictors," *Statistics in Biosciences*. https://doi.org/10.1007/s12561-025-09483-8
4. H. Smalley, P. Keskinocak, J. Swann, M. Delea, O. Eneanya, A. Weiss, "Proactive Tethering to Prevent Guinea Worm Infections among Dogs in Chad: An Analysis of the Impacts of Timing and Dog Selection," *American Journal of Tropical Medicine & Hygiene* 113(2):317-323. doi: 10.4269/ajtmh.24-0673. (Revision in January 2025, Accepted in February 2025).
5. M. Yildirim, P. Keskinocak, S. Hinderstein, K. Tran, Y. Dasthagirisaheb, L. Madoff, S. Pelton, I. Yildirim (2025), "A Comprehensive Analysis of Serotype-Specific Invasive Capacity, Clinical Presentations, and Mortality Trends of Invasive Pneumococcal Disease," *Vaccine*. Feb 15:47:126692.
6. F.J. Castillo Zunino†, K.A. Hester, P. Keskinocak, D. Nazzal, M. Freeman (2025), "Associations between family planning, healthcare access, and female education and vaccination among under-immunized children," *Vaccine*, Jan 12:44:126540.
7. D. Kim†, S. Cuffe, P. Keskinocak, M. Naylor, N. Serban (2024), "Adherence to ADHD Treatment Guidelines and FDA-labeled Psychotropic Medications for Medicaid-Insured Children," *Psychiatric Services,* Nov 1;75(11):1151-1156.
8. Y. Wang†, X. Wang†, B. Gurbaxani, J. Gutman, P. Keskinocak, H.K. Smalley, J. Thwing (2024), "Modeling the impact of proactive community case management on reducing confirmed malaria cases in sub-Saharan African countries," *American Journal of Tropical Medicine and Hygiene*, 111(3):490-497.
9. Y. Sun†, P. Keskinocak, L. Steimle, S. Kovacs, S. Wassilak (2024), "Modeling the spread of circulating vaccine-derived poliovirus type 2 outbreaks and interventions: A case study of Nigeria," *Vaccine X,* Mar 16:18:100476.
10. Z. Yu†, P. Keskinocak, W. Orenstein, B. Toktay (2024), "A mixed integer programming model for vaccine pricing within a group purchasing organization," *Vaccine*, Vol.42, No.8, 1892-1898.
11. H. Smalley, P. Keskinocak, J. Swann, C. Hanna, A. Weiss (2024), "Potential Impact of a Diagnostic Test for Detecting Prepatent Guinea Worm Infections in Dogs," *American Journal of Tropical Medicine and Hygiene*, 110(5):953-960. doi: 10.4269/ajtmh.23-0534
    - Results included in the World Health Organization's Target product profile to detect prepatent "Dracunculus medinensis" infections in animals (who.int)
12. S. Guven-Kocak†, A. Heching, P. Keskinocak, A. Toriello (2024), "Continuity of Care in Home Health Care Scheduling: Rolling Horizon Approach," *Journal of Scheduling*, January. https://doi.org/10.1007/s10951-023-00796-4
13. Z. Yu†, P. Keskinocak, J. Magliocca, R. Romero, J. Sokol (2023), "Split or whole liver transplantation? Utilization and posttransplant survival," *Hepatology Communications* 7(9):e0225. DOI: 10.1097/HC9.0000000000000225
14. H.K. Smalley, F. Castillo-Zunino†, P. Keskinocak, D. Nazzal, Z. Sakas, M. Sarr, M.C. Freeman (2023), "Factors associated with vaccine coverage improvements in Senegal from 2005 to 2019: A quantitative retrospective analysis," *BMJ Open*;13:e074388. doi: 10.1136/bmjopen-2023-074388
15. Y. Wang†, T. Perini†, P. Keskinocak, H. Smalley, J. Swann, A. Weiss (2023), "Evaluating the Effectiveness of Potential Interventions for Guinea Worm Disease in Dogs in Chad Using

Simulations," *American Journal of Tropical Medicine and Hygiene*, Sep 5;109(4):835-843. doi: 10.4269/ajtmh.22-0654.

16. E. Mark†, D. Goldsman, B. Gurbaxani, P. Keskinocak, J. Sokol (2023), "Predicting a Kidney Transplant Patient's Pretransplant Functional Status Based on Information at Waitlist Registration," *Scientific Report*s, Apr 15;13(1):6164. doi: 10.1038/s41598-023-33117-y
17. A. Baxter†, P. Keskinocak, M. Singh (2023), "Heterogeneous Multi-Resource Planning and Allocation under Stochastic Demand," *INFORMS Journal on Computing*, Vol.35, No.5, 909-1213.
    - Selected as the featured article in the October 2023 issue of *IJOC*.
18. Z. Sakas, K.A. Hester, K. Rodriguez, S.A. Diatta, A.S. Ellis, D.M. Gueye, D. Mapatano, Pr.S. Mboup, E.A. Ogutu, C. Yang, R.A. Bednarczyk, M.C. Freeman, M. Sarr, the Vaccine Exemplars Research Consortium (2023), "Critical Success Factors for High Routine Immunization Performance: A Case Study of Senegal," *Vaccine:X*, Vol.14:100269. https://doi.org/10.1016/j.jvacx.2023.100296
19. O. Ergun, W. Hopp, P. Keskinocak (2023), "A Structured Overview of Insights and Opportunities for Enhancing Supply Chain Resilience," *IISE Transactions*, Vol. 55, No.1, 57-74. https://doi.org/10.1080/24725854.2022.2080892
    - 2nd most downloaded paper from the journal in the past 12 months (2124 downloads). April 2024.
20. Z. Yu†, Y.-H. Chen, P. Keskinocak, J. Sokol (2022), "Flexible Analytic Model to Inform Multi-Stakeholder Pediatric Vaccine Scheduling Decisions," *Vaccine*, Nov 9;S0264-410X(22)01198-7. doi: 10.1016/j.vaccine.2022.09.076
21. E.Y. Cramer, Y. Huang, Y. Wang, et al. (2022), "The United States COVID-19 Forecast Hub dataset," *Scientific Data* 9, 462. https://doi.org/10.1038/s41597-022-01517-w
22. K.A. Hester, Z. Sakas, A.S. Ellis, A.S. Bose, R. Darwar, J. Gautam, C. Jaishwal, H. James, P. Keskinocak, D. Nazzal, E.A. Ogutu, K. Rodriguez, F. Castillo Zunino†, S. Dixit, R.A. Bednarczyk, M.C. Freeman, the Vaccine Exemplars Research Consortium (2022), "Critical Success Factors for High Routine Immunization Performance: A Case Study of Nepal," *Vaccine:X*, Apr 30;11:100166. doi: 10.1016/j.jvacx.2022.100166.
23. Z. Yu†, P. Keskinocak, L. Steimle, I. Yildirim (2022), "The Impact of Testing Capacity and Compliance with Isolation on Covid-19: A Mathematical Modeling Study," *American Journal of Preventive Medicine Focus*, Vol.1, No.1.
24. K. Micek, K.A. Hester, C. Chanda, R. Darwar, B. Dounebaine, A.S. Ellis, P. Keskinocak, A. Leslie, M. Manyando, M.S. Manyando, D. Nazzal, E.A. Ogutu, Z. Sakas, F. Castillo-Zunino†, W. Kilembe, R.A. Bednarczyk, M. Freeman, and The Vaccine Exemplars Research Consortium (2022), "Critical success factors for routine immunization performance: A case study of Zambia 2000 to 2018," *Vaccine:X*, Vol.11. https://doi.org/10.1016/j.jvacx.2022.100166
25. A. Baxter†, P. Keskinocak, M. Singh (2022), "Heterogeneous Multi-Resource Allocation with Subset Demand Requests," *INFORMS Journal on Computing*, Vol.34, No.5.
26. D. Kim†, P. Keskinocak, P. Pekgun, I. Yildirim (2022), "The Balancing Role of Distribution Speed against Varying Efficacy Levels of COVID-19 Vaccines under Variants," *Scientific Reports* 12, Article number: 7493.
27. E. Rosenstrom†, J.A. Mele, J. Ivy, M. Mayorga, M.D. Patel, K.H. Lich, K.D. Johnson, P. Delameter, P. Keskinocak, R. Boyce, R. Smith, J.L. Swann (2022), "Can Vaccine Prioritization Reduce Disparities in Covid-19 Burden for Historically Marginalized Populations?" PNAS Nexus, Vol.1, No.1. https://doi.org/10.1093/pnasnexus/pgab004

28. A. Baxter†, B.E. Oruc Aglar†, J. Asplund, P. Keskinocak, N. Serban (2022), "Evaluating Scenarios for School Reopening Under COVID19," *BMC Public Health*, 22:496. https://doi.org/10.1186/s12889-022-12910-w

29. M. Yildirim†, B. Gaynes, P. Keskinocak, B. Pence, J.L. Swann (2022), "Cost-Effectiveness of Depression Screening for the General Adult Population," *Journal of Affective Disorders*, Vol. 303, 306-314. https://doi.org/10.1016/j.jad.2022.02.044

30. E.Y. Cramer et al. (2022), "Evaluation of individual and ensemble probabilistic forecasts of COVID-19 mortality in the US," *Proceedings of the National Academy of Sciences* (PNAS). https://doi.org/10.1073/pnas.2113561119

31. S. Zhu†, A.W. Bukharin, L. Xie, K. Yamin, S. Yang, P. Keskinocak, Y. Xie (2022), "Early Detection of COVID-19 Hotspots Using Spatio-Temporal Data," *IEEE Journal of Selected Topics in Signal Processing,* Vol.16, No.2. doi: 10.1109/JSTSP.2022.3154972

32. D. Kim†, P. Pekgun, I. Yildirim, P. Keskinocak (2021), "Resource Allocation for Different Types of Vaccines against COVID-19 Tradeoffs and Synergies between Efficacy and Reach," *Vaccine*, Vol. 39, No. 47, 6876-6882.

33. M. Yildirim†, B.N. Gaynes, P. Keskinocak, B.W. Pence, J.L. Swann (2022), "Natural History Model for Major Depression with Incidence and Prevalence," *Journal of Affective Disorders*, Vol.296, No.1 498-505.

34. T. Heyming, L. Spiegelman, R. Marano, S. Taraman, W. Feaster, P. Keskinocak, and L. Ehwerhemuepha (2021), "13 Comorbid Conditions with COVID-19 in Hospitalized Pediatric Patients: A Multi-Center Analysis," *Annals of Emergency Medicine*, 78(2): S7. https://doi.org/10.1016/j.annemergmed.2021.07.014

35. A. Fujimoto†, I. Yildirim, P. Keskinocak (2021), "Significance of SARS-CoV-2 Specific Antibody Testing during COVID-19 Vaccine Allocation," *Vaccine*, 39(35):5055-5063. https://doi.org/10.1016/j.vaccine.2021.06.067

36. F. Castillo Zunino†, P. Keskinocak (2021), "Bi-Criteria Multiple Knapsack Problem with Grouped Items," *Journal of Heuristics*, 27, 747–789.

37. F. Castillo-Zunino, P. Keskinocak, D. Nazzal, M.C. Freeman (2021), "Area Health spending and vaccination coverage in low-income countries," *BMJ Global Health*, 6:e004823. doi:10.1136/bmjgh-2020-004823

38. M. Patel, E. Rosenstrom†, J. Ivy, M. Mayorga, P. Keskinocak, R. M. Boyce, K.H. Lich, R. Smith, K.T. Johnson, P. D. Delamater, J.L. Swann (2021), "Association of Simulated COVID-19 Vaccination and Nonpharmaceutical Interventions with Infections, Hospitalizations, and Mortality," *JAMA Network Open*, 4(6):e2110782 2021. doi:10.1001/jamanetworkopen.2021.10782

39. A. Baxter, B. Eylul Oruc, J. Asplund, P. Keskinocak, N. Serban (2021), "Homebound by COVID19: The Benefits and Consequences of Non-Pharmaceutical Intervention Strategies," *BMC Public Health* 21, 655 (2021). https://doi.org/10.1186/s12889-021-10725-9

40. Y.M. Cohen†, P. Keskinocak, J. Pereira (2021), "A note on the flowtime network restoration problem," *IISE Transactions*, 53:12, 1351-1352. DOI: 10.1080/24725854.2020.1869353

41. F.M. Yildirim†, J. Shih, P. Keskinocak, N. Serban (2021), "Reflecting on Respiratory Infectious Disease Epidemics: Preparedness and Response Strategies," *Annals of Allergy, Asthma & Immunology*, Apr;126(4):338-349. doi: 10.1016/j.anai.2020.11.017.

42. J.L. Swann, P. Griffin, P. Keskinocak, I. Bender, F.M.Yildirim†, T. Nurmagambetov, J. Hsu, L. Seeff, C.-M. Singleton (2021), "Return on Investment of Self-Management Education and Home

Visits for Children with Asthma," *Journal of Asthma*. Mar;58(3):360-369. doi: 10.1080/02770903.2019.1690660.

43. P. Keskinocak, B.E. Oruc†, A. Baxter†, J. Asplund, N. Serban (2020), "The impact of social distancing on COVID19 spread: State of Georgia case study," *PLoS One* 15(10): e0239798. https://doi.org/10.1371/journal.pone.0239798
44. F.M. Yildirim†, P. Griffin, P. Keskinocak, J. O'Connor, J.L. Swann (2021), "Estimating the Impact of Self-Management Education, Influenza Vaccines, Nebulizers, and Spacers on Health Utilization and Expenditures for Medicaid-Enrolled Children with Asthma," *Journal of Asthma*, 58(12):1637-1647. DOI: 10.1080/02770903.2020.1821056
45. A. Fujimoto†, T. Ayer, A. Caughey, P. Keskinocak (2020), "A Comparison of First Trimester Prenatal Screening Strategies for Down Syndrome with Maternal Age and Preferences Considerations," *Prenatal Diagnosis*, Vol.40, 553-1562. https://doi.org/10.1002/pd.5811
46. P. Shi†, J. Yan†, P. Keskinocak, A. Shane, J.L. Swann (2020), "The impact of opening dedicated clinics on disease transmission during an influenza pandemic," *PLoS One*, 15(8):e0236455. https://doi.org/10.1371/journal.pone.0236455
47. T. Perini†, P. Keskinocak, Z. Li, E. Ruiz-Tiben, J.L. Swann, and A. Weiss (2020), "An Agent-Based Simulation for Seasonal Guinea Worm Disease in Chad Dogs," *American Journal of Tropical Medicine and Hygiene*, Vol.103, No.5, 1942-1950.
48. A. Chu†, P. Keskinocak, M. Villarreal (2020), "Empowering Denver Public Schools System to Optimize School Bus Operations," *INFORMS Journal on Applied Analytics*, Vol.50, No.5, 298-312.
    - Finalist, IISE/SEE Outstanding Innovation in Service Systems Engineering Award, 2021.
    - Finalist, INFORMS Daniel H. Wagner Prize for Excellence in Operations Research Practice, 2019.
49. A. Baxter†, H. Wilborn Lagerman†, P. Keskinocak (2020), "Quantitative Modeling in Disaster Management: A Literature Review," *IBM Journal of Research and Development*, Vol.64, No.1/2, 3:1-3:13. doi: 10.1147/JRD.2019.2960356
50. F.M. Yildirim†, P. Keskinocak, S. Pelton, L. Pickering, I. Yildirim (2020), "Who is at risk for 13-valent pneumococcal conjugate vaccine failure?" *Vaccine*, Vol.38, No.7, 1671-1677.
51. P. Keskinocak, N. Savva (2020), "A Review of the Healthcare-Management (Modeling)," *Manufacturing & Service Operations Management*. Vol. 22, No.1, 59-72.
52. E. Mark†, D. Goldsman, B. Gurbaxani, P. Keskinocak, J. Sokol (2019), "Using machine learning to estimate survival curves for patients receiving an increased risk for disease transmission heart, liver, or lung versus waiting for a standard organ," *Transplant Infectious Disease*, 21(6):e13181. doi:10.1111/tid.13181
53. P. Pekgun, M. Janakiram, P. Keskinocak, M. Park (2019), "Does Forecast-Accuracy Based Allocation Induce Customers to Share Truthful Forecasts?" *Production and Operations Management,* Vol.28, No.10, 2500–2513.
54. J.R. Nocera, I. Arsik†, P. Keskinocak, A. Lepley-Flooda, J.J. Lah, A.I. Levey, G.J. Esper (2019), "The Feasibility of Measuring Gait in an Outpatient Cognitive Neurology Clinical Setting," *Journal of Alzheimer's Disease Supplement: Gait Disorders in Alzheimer's Disease and Other Dementias*, Vol.71(s1), S51-S55. DOI: 10.3233/JAD-190106
55. H.K. Smalley, N. Anand†, D. Buczek†, N. Buczek†, T. Lin†, T. Rajore†, M. Wacker†, S. Basavaraju, B. Gurbaxani, T. Hammett, P. Keskinocak, J. Sokol, M. J. Kuehnert (2019), "A Mathematical Model to Describe Survival among Liver Recipients from Deceased Donors with Risk of Transmitting

Infectious Encephalitis Pathogens," *Transplant Infectious Disease* May18:e13115. doi: 10.1111/tid.13115

56. E. Mark†, D. Goldsman, B. Gurbaxani, P. Keskinocak, J. Sokol (2019), "Using Machine Learning and an Ensemble of Methods to Predict Kidney Transplant Survival," *PLOS One* 14(1): e0209068. https://doi.org/10.1371/journal.pone.0209068
    - Among top 10% most cited *PLOS One* papers published in 2019 (as of July 2021)
57. Z. Li†, J. Swann, P. Keskinocak (2018), "Value of inventory information in allocating a limited supply of influenza vaccine during a pandemic," *PLOS One*, 13(10): e0206293. https://doi.org/10.1371/journal.pone.0206293
58. J. Vlachy†, M. Jo†, Q. Li†, T. Ayer, P. Keskinocak, L. Olson, A. Vats (2018), "Risk factors for seizures among young children monitored with continuous electroencephalography in intensive care unit: A retrospective study," *Frontiers in Pediatrics*, 6:303, doi: 10.3389/fped.2018.00303.
59. H.K. Smalley, N. Anand†, D. Buczek†, N. Buczek†, T. Lin†, T. Rajore†, M. Wacker†, S.V. Basavaraju, B.M. Gurbaxani, T. Hammett, P. Keskinocak, J. Sokol, M.J. Kuehnert, (2018) "Assessment of risk for transplant-transmissible infectious encephalitis among deceased organ donors," *Transplant Infectious Disease*, Oct 20(5):e12933. doi: 10.1111/tid.12933
60. I. Arsik†, J.K. Frediani, D. Frezza†, W. Chen†, T. Ayer, P. Keskinocak, R. Jin, J.V. Konomi, S.E. Barlow, S.A. Xanthakos, J.E. Lavine, M.B. Vos (2018), "Alanine Aminotransferase as a Monitoring Biomarker in Children with Nonalcoholic Fatty Liver Disease: A Secondary Analysis Using TONIC Trial Data," *Children*, 5(6), 64.
61. J. Yan†, T. Ayer, P. Keskinocak, A.B. Caughey (2017), "Age-based Differences in the Predictive Accuracy of a One-Size-Fits-All Risk-Cutoff Value in Prenatal Integrated Screening for Down Syndrome," *Prenatal Diagnosis*, 37(9), 894-898.
62. A. Vats, C. Hopkins, K. Hatfield, J. Yan†, R. Palmer, P. Keskinocak (2017), "An Airway Risk Assessment Score for Unplanned Extubation in Intensive Care Pediatric Patients," *Pediatric Critical Care Medicine*, Vol.18, No. 7, 661–666.
    - An editorial on this article appeared in:
      M.C. Spaeder (2017), "Can a Risk Assessment Tool Get Everyone on the Same Page?" *Pediatric Critical Care Medicine*, Vol.18, No.7, 724-725.
63. A. Lorca†, M. Celik†, O. Ergun, and P. Keskinocak (2017), "An Optimization-Based Decision-Support Tool for Post-Disaster Debris Operations," *Production and Operations Management*, Vol.26, No.6, 1076-1091.
64. P. Pekgun†, P. Griffin, P. Keskinocak (2017), "Centralized vs. Decentralized Competition for Price and Lead-time Sensitive Demand," *Decision Sciences*, Vol. 48 No. 6, 1198-1227.
65. S.G. Gupta, S.C. Chen, P. Keskinocak, L. Houghtalen, A. Ismail, M.G. Kumar (2016), "Understanding Patient Experience in University- Based Dermatology Clinics: A Time Motion Analysis," *Journal of the American Academy of Dermatology*, 75(4):834-5.
66. B. Hafizoglu†, E. Gel, P. Keskinocak (2016), "Price and Lead Time Quotation for Contract and Spot Customers, *Operations Research*, Vol. 64, No. 2, 406 – 415.
67. H.K. Smalley†, P. Keskinocak (2016), "Automated Medical Resident Rotation and Shift Scheduling to Ensure Quality Resident Education and Patient Care," *Healthcare Management Science*, Vol.19, No.1, 66–88.
68. M. Villarreal†, D. Goldsman, P. Keskinocak (2015), "Workforce Management and Scheduling under Flexible Demand," *Service Science*, Vol.7, No.4, 331-351.

69. H.K. Smalley, P. Keskinocak, J. Swann, A. Hinman (2015), "Optimized Oral Cholera Vaccine Distribution Strategies to Minimize Disease Incidence: A Mixed Integer Programming Model and Analysis of a Bangladesh Scenario," *Vaccine*, Vol.33, No.46, 6218–6223.
70. J. Yan†, T. Ayer, P. Keskinocak, A.B. Caughey (2015), "Preference-Sensitive Risk Cutoff Values for Prenatal Integrated Screening Test for Down Syndrome," *Prenatal Diagnosis*, Vol. 35, No. 7, 645-651.
71. M. Celik†, O. Ergun, P. Keskinocak (2015), "The Post-Disaster Debris Clearance Problem under Incomplete Information," *Operations Research,* Vol. 63, No. 1, 65-85.
    - INFORMS Editor's Cut collection, Vol. 4 (2016), "Confronting Public Problems with Operations Research." http://pubsonline.informs.org/editorscut/publicsector
    - Second place, Production and Operations Management Society (POMS) College of Humanitarian Operations & Crisis Management Best Paper Award, April 2013.
72. H. Smalley†, P. Keskinocak, A. Vats (2015), "Physician Scheduling for Continuity: An Application in Pediatric Intensive Care," *Interfaces*, Vol. 45, No. 2, 133–148.
73. M. Villarreal† and P. Keskinocak (2014), "Staff Planning for Operating Rooms with Different Surgical Services Lines," *Healthcare Management Science*, November, 1-26. https://rdcu.be/6hse
74. A. Ekici†, P. Keskinocak. J. Swann (2014), "Modeling Influenza Pandemic and Planning Food Distribution *Manufacturing and Service Operations Management*, Vol. 16, No. 1, 11–27.
    - Best Research Poster Award, Mayo Clinic Conference on Systems Engineering & Operations Research in Health Care, September 2008.
    - Third Place, INFORMS Health Applications Section William Pierskalla Best Paper Award, October 2008.
    - First place, Society of Health Systems Student Paper Competition, March 2009.
    - Finalist, MSOM Student Paper Competition, 2009.
75. O. Ergun, L. Guyi†, J. Heier-Stamm†, P. Keskinocak, J. Swann (2014), "Improving Humanitarian Operations through Collaboration," *Production and Operations Management*, Vol.23, No.6, 1002-1014.
76. B. Hafizoglu†, E. Gel, P. Keskinocak (2013), "Expected Tardiness Computations in Multi-class Priority M/M/c Queues," *INFORMS Journal on Computing*, Vol.25, No.2, 364-376.
77. Popescu†, E. Barnes, E. Johnson, P. Keskinocak (2013), "Bid Prices when Demand is a Mix of Individual and Batch Bookings," *Transportation Science*, Vol. 47, No. 2, 198–213.
    - International Air Cargo Association Graduate Research Paper Competition Award, 2007.
78. A. Vats, K.H. Goin, M. Villarreal†, T. Yilmaz†, J.D. Fortenberry, P. Keskinocak (2012), "The Impact of a Lean Rounding Process in a Pediatric Intensive Care Unit," *Critical Care Medicine*, Vol.40, No.2, 608-617.
79. J. Griffin†, S. Xia†, S. Peng†, P. Keskinocak (2012), "Improving Patient Flow in an Obstetric Unit," *Healthcare Management Science*, Vol.15, No.1, 1-14.
80. H. K. Smalley†, P. Keskinocak, and A. Vats (2011), "Development of a Handoff Continuity Score to Improve Pediatric ICU Physician Schedule Design for Enhanced Physician and Patient Continuity," *Critical Care*, Vol.15, 1-7.

81. D. Laborde, J. Griffin†, H.K. Smalley†, P. Keskinocak, G. Matthew (2011), "A Framework for Assessing Patient Crossover and Health Information Exchange Value," *Journal of the American Medical Informatics Association* (JAMIA), Vol.18, No.5, 698-703.
82. O. Caliskan Demirag†, P. Keskinocak, J. Swann (2011), "Customer Rebates and Retailer Incentives in the Presence of Competition and Price Discrimination," *European Journal of Operational Research*, Vol.215, No.1, 268-280.
83. S. Lee†, L. Garrow, J. Higbie, P. Keskinocak (2011), "Do you really know who your customers are? A study of U.S. retail hotel demand," *Journal of Revenue and Pricing Management*, Vol. 10, 73-86.
84. S. Duran†, M. Gutierrez†, P. Keskinocak (2011), "Pre-Positioning of Emergency Items Worldwide for CARE International," *Interfaces*, Vol.41, No.3, 223-237.
85. H. Smalley†, F. Engineer†, P. Keskinocak, L. Pickering (2011), "Universal Tool for Vaccine Scheduling – Applications for Children and Adults," *Interfaces*, Vol.41, No.5, 436-454.
    - Finalist, Daniel H. Wagner Prize for Excellence in Operations Research Practice in 2010.
    - Best poster award, Children's Healthcare of Atlanta Pediatric Research Retreat, January 2011.
86. P. Shi†, P. Keskinocak, J. Swann, B.Y. Lee (2010), "The Impact of Mass Gatherings and Holiday Travelling on the Course of an Influenza Pandemic: A Computational Model," *BMC Public Health*, 10, 778.
87. P. Shi†, P. Keskinocak, J. Swann, B.Y. Lee (2010), "Modeling Seasonality and Viral Mutation to Predict the Course of an Influenza Pandemic," *Epidemiology and Infection*, 138(10), 1472-1481.
88. W. Yang, I. Karaesmen, P. Keskinocak (2010), "Managing Uncertainty in On-Demand Air Travel," *Transportation Research – Part E*, Vol.46, No.6, 1169-1179.
89. A. Ekici†, O. Ergun, P. Keskinocak, M. Lagoudakis (2010), "Optimal Job Splitting on a Multi-Slot Machine with Applications in Pressrun Configuration in the Printing Industry," *Naval Research Logistics*, Vol.57, No.3, 237– 251.
90. O. Caliskan Demirag†, O. Baysar†, P. Keskinocak, J. Swann (2010), "The Effects of Customer Rebates and Retailer Incentives on Manufacturer's Profits and Sales," *Naval Research Logistics*, Vol. 57, No.1, 88-108.
    - Finalist, Manufacturing and Service Operations Management (MSOM) Student Paper Competition, 2006.
91. E. Ozkaya†, P. Keskinocak, R. Weight (2010), "Estimating and Benchmarking Less Than Truckload (LTL) Market Rates," *Transportation Research – Part E*, Vol.46, No.5, 667-682.
92. O. Ergun, J. L. Heier†, P. Keskinocak, and J. Swann (2010), "Waffle House Restaurants Hurricane Response: A Case Study," *International Journal of Production Economics* special issue on "Improving Disaster Supply Chain Management," Vol.126, No.1, 111-120.
93. S. Savasaneril†, P. Griffin, P. Keskinocak (2010), "Dynamic Lead Time Quotation for Base-Stock Inventory Systems," *Operations Research*, Vol.58, No.2, 383-395.
94. F. Engineer†, P. Keskinocak, L. Pickering (2009), "Catch-up Scheduling for Childhood Immunization," *Operations Research*, Vol.57, No.6, 1307-1319.
    - First place, EURO Excellence in Practice Award, July 2010.
    - IIE Society of Health Systems Best Graduate Research Paper Award, January 2008.
    - Second place, INFORMS Health Applications Section William Pierskalla Best Paper Award, October 2008.

- Honorable mention, INFORMS Doing Good with Good OR Student Paper Competition, October 2009.

95. R. Hagtvedt†, P. Griffin, P. Keskinocak (2009), "A Simulation Model to Compare Strategies for the Reduction of Healthcare Associated Infections," *Interfaces*, Vol.39, No.3, 256-270.

96. P. Keskinocak and S. Savasaneril† (2008), "Collaborative Procurement among Competing Buyers," *Naval Research Logistics*, Vol.55, No.6, 516-540.

97. F. Erhun, P. Keskinocak, S. Tayur (2008), "Dynamic Procurement, Quantity Discounts, and Supply Chain Efficiency," *Production and Operations Management* (*POMS*), Vol.17, No.5, 543-550.

98. F. Erhun, P. Keskinocak, S. Tayur (2008), "Dynamic Procurement in a Capacitated Supply Chain Facing Uncertain Demand," *IIE Transactions*, Vol.40, No.8, 733-748.

99. P. Pekgun†, P. Griffin, P. Keskinocak (2008), "Coordination of Marketing and Production for Price and Leadtime Decisions," *IIE Transactions*, Vol.40, No.1, 12-30.
    - IIE Transactions Best Paper Award - Scheduling & Logistics, May 2009.
    - This article was the third most downloaded (from informaworld) IIE Transactions article in 2009; the first two most downloaded were both review articles.

100. P. Keskinocak, K. Charnsirisakskul†, and P. Griffin (2008), "Strategic Inventory in Capacitated Supply Chain Procurement," *Managerial and Decision Economics*, Vol.29, No.1, 23-36.

101. W. Elmaghraby, A. Gulcu†, P. Keskinocak (2008), "Optimal Pre-Announced Markdowns in the Presence of Rational Customers with Multi-unit Demands," *Manufacturing & Service Operations Management*, Vol.10, No.1, 126-148.

102. W. Yang, I. Karaesmen, P. Keskinocak, S. Tayur (2008), "Aircraft and Crew Scheduling for Fractional Ownership Programs," *Annals of Operations Research*, Vol.159, No.1, 415-431.

103. K. Dutta†, D. VanderMeer†, A. Datta, P. Keskinocak, K. Ramamritham (2007), "A Fast Method for Discovering Critical Edge Sequences in E-Commerce Catalogs," *European Journal of Operational Research* 181, 855-871

104. K. Dutta†, A. Datta, H. Thomas†, P. Keskinocak (2007), "Linearized Model of Object Caching and Heuristic Solution," *IEEE Transactions on Systems, Man, and Cybernetics Part C: Applications and Reviews*, Vol.37, No.5, 1-12.

105. A. Popescu†, P. Keskinocak, E. Johnson, R. Kasilingam, and M. LaDue (2006), "Estimating Air Cargo Overbooking using a Discrete Show-up Rate Distribution," *Interfaces*, Vol.36, No.3, 248-258.
    - Runner-up for the AGIFORS - The Airline Group of the International Federation of Operational Research Societies - 2004 Anna Valicek Award.

106. K. Charnsirisakskul†, P. Griffin, and P. Keskinocak (2006), "Pricing and Scheduling Decisions with Lead-time Flexibility," *European Journal of Operational Research*, Vol.171, No.1, 153-169.

107. N. An†, W. Elmaghraby, and P. Keskinocak (2005), "Bidding Strategies and their Impact on Revenues in Combinatorial Auctions," *Journal of Revenue and Pricing Management*, Vol.3, No.4, 337-357.

108. K. Charnsirisakskul†, P. Griffin, P. Keskinocak (2004), "Order Selection and Scheduling with Lead-time Flexibility," *IIE Transactions*, Vol. 36, 697-707.

109. W. Elmaghraby, P. Keskinocak (2003), "Dynamic Pricing in the Presence of Inventory Considerations: Research Overview, Current Practices and Future Directions," *Management Science*, Vol.49, No.10, 1287-1309.

110. C. Martin, D. Jones, P. Keskinocak (2003), "Optimizing On-Demand Aircraft Schedules for Fractional Aircraft Operators," *Interfaces*, Vol.33, No.5, 22-35.

- Finalist for the Daniel H. Wagner Prize for Excellence in Operations Research Practice in 2002.
- A summary of this paper is included as a snapshot application in the textbook Production & Operations Analysis by S. Nahmias, 6th Edition, 2009, McGraw-Hill Irwin, New York, NY

111. P. Keskinocak, F. Wu, R. Goodwin, S. Murthy, R. Akkiraju, S. Kumaran, A. Derebail (2002), "Scheduling Solutions for the Paper Industry," *Operations Research*, Vol.50, No.2, 249-259.

112. P. Keskinocak, R. Ravi, S. Tayur (2001), "Scheduling and Reliable Lead Time Quotation for Orders with Availability Intervals and Lead Time Sensitive Revenues," *Management Science*, Vol.47, No.2, 264-279.

- An earlier version of this paper received an Honorable mention at the George Nicholson Student Paper Competition in 1998.

113. P. Keskinocak, S. Tayur (2001), "Quantitative Analysis for Internet-Enabled Supply Chains," *Interfaces*, Vol.31, No.2, 70-89.

114. M. Dawande, P. Keskinocak, J. Swaminathan, S. Tayur (2001), "On The Biclique and Multi-Partite Clique Problems," *Journal of Algorithms*, Vol.41, No.2, 388-403.

115. R. Akkiraju, P. Keskinocak, S. Murthy, F. Wu (2001), "An Agent-based Approach to Multi-machine Scheduling," *Journal of Applied Intelligence*, Vol.14, 135-144.

116. P. Keskinocak, R. Goodwin, F. Wu, R. Akkiraju, S. Murthy (2001), "Decision Support for Managing an Electronic Supply Chain," *Electronic Commerce Research Journal*, Vol.1, 15-31.

117. M. Dawande, J. Kalagnanam, P. Keskinocak, R. Ravi, F.S. Salman (2000), "Approximation Algorithms for the Multiple Knapsack Problem with Assignment Restrictions," *Journal of Combinatorial Optimization*, Vol.4, 171-186.

118. S. Murthy, R. Akkiraju, R. Goodwin, P. Keskinocak, J. Rachlin, F. Wu, S. Kumaran, J. Yeh, R. Fuhrer, A. Aggarwal, M. Sturzenbecker, R. Jayaraman, R. Daigle, (1999) "Cooperative Multi-objective Decision Support for the Paper Industry," *Interfaces*, Vol.29, No.5, 5-30.

- The Daniel H. Wagner Prize for Excellence in Operations Research Practice in 1998.

119. P. Keskinocak, S. Tayur (1998), "Scheduling of Time-Shared Jet Aircraft," *Transportation Science*, Vol.3, 277-294.

B2. Papers submitted to refereed journals or books

120. B.E. Oruc Aglar, P. Keskinocak, M. Singh, "Graph Partitioning & Assignment to Heterogeneous Resources: Applications in Disaster Debris Collection," submitted to *Operations Research*.

121. Y. Sun, P. Keskinocak, S.D. Kovacs, L.N. Steimle, "Qualifying the benefits of improved operations for polio outbreak response: A model-based analysis," submitted to *Vaccine* (submitted in September 2025).

122. H. Smalley, P. Keskinocak, M. Delea, O. Eneanya, P.O. Tchindebet, J. Van Loben Sels, A. Weiss Diagnostics to Detect Dracunculus medinensis Analytes in Biospecimens in the Last Mile of Disease Eradication: The Impacts of Diagnostic Accuracy, Deployment Protocol and Tethering Compliance," submitted to *The Lancet Infectious Diseases* (submitted in November 2025).

B3. Publications in refereed conference proceedings

1. X. Wang, H. Smalley, J. Gutman, P. Keskinocak, "Quantifying the Impact of Proactive Community Case Management on Severe Malaria Cases Using Agent-Based Simulation," to appear in the *Proceedings of the Winter Simulation Conference* (E. Azar, A. Djanatliev, A. Harper, C. Kogler, V. Ramamohan, A. Anagnostou, and S. J. E. Taylor, eds.), Seattle, WA, December 7-10, 2025.
2. H. Smalley, P. Keskinocak, M. Delea, O. Eneanya, A. Weiss, "Using Simulation Modeling to Evaluate the Impact of Proactive Tethering Methodologies on Guinea Worm Infections among Dogs in Chad," *Proceedings of the Winter Simulation Conference* (H. Lam, E. Azar, D. Batur, S. Gao, W. Xie, eds.), Orlando, FL, December 15-18, 2024.
3. Y. Sun, H. Xue, P. Keskinocak, L. Steimle, "Quantifying the Impact of Vaccinating Under-Immunized Groups in Poliovirus Outbreaks: A Model-Based Study," *Proceedings of the Winter Simulation Conference* (H. Lam, E. Azar, D. Batur, S. Gao, W. Xie, eds.), Orlando, FL, December 15-18, 2024.
4. Y. Sun, P. Keskinocak, L. Steimle, S. Kovacs, S. Wassilak, "A Compartmental Simulation Model to Improve Interventions for Controlling Poliovirus Outbreaks," *Proceedings of the Winter Simulation Conference* (C. G. Corlu, S. R. Hunter, H. Lam, B. S. Onggo, J. Shortle, and B. Biller, eds.), San Antonio, TX, December 10-13, 2023.
5. I. Erazo, D. Goldsman, P. Keskinocak, J. Sokol, "A Simulation-Optimization Framework to Improve the Organ Transplantation Offering System," *Proceedings of the Winter Simulation Conference* (B. Feng, G. Pedrielli, Y. Peng, S. Shashaani, E. Song, C. G. Corlu, L. H. Lee, E. P. Chew, T. Roeder, P. Lendermann, eds.), pp. 1009-1020, Singapore, December 11-14, 2022.
    - Best applied student paper.
6. A. Vats, E. Orenstein, C. Fritzen, K. Walson, P. Keskinocak, R. Lunde, C. Hopkins-Bailey, C. Mosley, J. Owen, L. DeAlmeida, S. Sparacino, L. McKay, T. Senior, P. Spafford, S. Clarke, S. Hamrick, M. Mallory, R. Basu, P. Chaudhary, S. Jernigan, "Clinical Decision Support Improves Unplanned Extubation Risk Charting And Stakeholder Engagement," *Society of Critical Care Medicine's 51st Critical Care Congress*, April 18-21, 2022.
    - Abstract published in the supplement of *Critical Care Medicine*, January 2022, Vol.50, No.1, p.653. doi: 10.1097/01.ccm.0000811544.92046.6a
7. E. Rosenstrom, B.E. Oruc, N. Hupert, J. Ivy, P. Keskinocak, M.E. Mayorga, J.L. Swann, "High Quality Masks Reduce Covid-19 Infections and Death in the US," *Proceedings of the Winter Simulation Conference*, December 13-16, 2021, Phoenix, AZ. doi: 10.1101/2020.09.27.20199737
8. S. Zhu, A.W. Bukharin, L. Xie, S. Yang, P. Keskinocak, Y. Xie, "Early Detection of COVID-19 Hotspots Using Spatio-Temporal Data," 38th International Conference on Machine Learning (ICML), July 19-24, 2021.
    - Best paper honorable mention.
9. M. Yildirim†, P. Keskinocak, S. Pelton, I. Yildirim, "Predicting risk of breakthrough invasive pneumococcal disease in children after 13-valent pneumococcal conjugate vaccination," *IDWeek* 2018, October 3-7, 2018, San Francisco, CA.
    - *Open Forum Infectious Dis*eases, (Suppl 1): S68-S69. doi: 10.1093/ofid/ofy209.163
10. Z. Li, A. Pyreddy†, V. Mukharya†, P. Keskinocak, S. Tal, C. Buchanan, C. Hopkins, A. Vats, "Improving Risk Assessment for Unplanned Extubation in the Pediatric Critical Care Patient, *Society of Critical Care Medicine's 47th Critical Care Congress*, San Antonio, TX, February 25-28, 2018.
    - Abstract published in the supplement of *Critical Care Medicine*, Vol. 46, No.1, p. 653, 2018.

11. D. Frezza†, W. Chen†, P. Keskinocak, T. Ayer, R. Jin, S.E. Barlow, S. Xanthakos, J.E. Lavine, M.B Vos (2016), "*Standardized Time Average of ALT is a Better Marker of Histologic Improvement in NAFLD*," in *Hepatology* (Vol. 63, No. 1 SUPP, pp. 559A-560A), Wiley-Blackwell.
12. J. Vlachy†, M. Jo†, Q. Li†, T. Ayer; P. Keskinocak, L. Olson; J. Swann, A. Vats, "Continuous Electroencephalography for Seizure Detection in Children: Who should we monitor?" *Society of Critical Care Medicine Congress* (42nd), Phoenix, AZ, January 17-21, 2015.
    - Abstract published in the supplement of *Critical Care Medicine*, Vol.42, No.12, December 2014.
13. A. Lorca†, M. Celik, O. Ergun, P.Keskinocak, "A Decision-support Tool for Post-disaster Debris Operations, *Humanitarian Technology: Science, Systems and Global Impact*, Boston, MA, May 12-14, 2015. (Proceedings published in Procedia Engineering 107, 2015, 154-167.)
14. J. Griffin, P. Keskinocak, C. Stokes, N. O'Hara, A. Vats (2013), "Development of Patient-Bed Assignment Algorithms to Support Bed Management Processes for Improvements in the Rate of Overflow Assignments and Average Request to Assign Metrics," *Society of Critical Care Medicine Congress* (42nd), San Juan, Puerto Rico, January 19-23.
    - Abstract published in the supplement of *Critical Care Medicine*, Vol.40, No.12, December 2012.
15. H. Smalley, P. Keskinocak, J. Stockwell, A. Vats (2012), "Automated Schedule Generation of MD Staffing for a Pediatric ICU Using Integer Programming to Achieve Enhanced Continuity," *Society of Critical Care Medicine Congress* (41st), Houston, TX, February 5-7.
    - Abstract published in the supplement of *Critical Care Medicine*, December 2011.
16. H. Smalley†, P. Keskinocak, A. Vats (2011), "A Handoff Continuity Score (HCS) Can Be Utilized to Improve Physician Schedule Design for Enhanced Handoff Efficiency and Continuity," *6th World Congress on Pediatric Critical Care*, Sydney, Australia, March 13-17.
    - Abstract published in the supplement of the *Journal of Pediatric Critical Care Medicine* 12(3):A18, May 2011.
17. S. Koenig, P. Keskinocak, C. Tovey (2010), "Progress on Agent Coordination with Cooperative Auctions," *Proceedings of the Twenty-Fourth AAAI Conference on Artificial Intelligence* (AAAI-10), AAAI Senior Member Papers Track, Atlanta, GA , July 11 - 15, 2010.
18. O. Ergun, J.A. Carbajal†, P. Keskinocak, M. Stilp†, M. Villarreal† (2010), "Managing Debris Collection and Disposal Operations," *Proceedings of the Seventh Triennial Symposium on Transportation Analysis* (TRISTAN VII), Tromso, Norway, June 20-25.
19. A. Vats, K. Goin, T. Yilmaz†, M. Villarreal†, J. Fortenberry, P. Keskinocak (2010), "A Lean Focused Rounding Process in a Pediatric Intensive Care Unit Increases Efficiency, Optimizes Resources, and Improves Satisfaction."
    Abstract published in the supplement of *Critical Care Medicine* 37(12):A4, December 2009.
    - 2010 Annual Scientific Award, *Society of Critical Care Medicine Congress* (39th), Miami, FL, January 9-13.
20. R. Hagtvedt†, P. Griffin, P. Keskinocak, M. Ferguson, G.T. Jones, (2009), "Cooperative Strategies to Reduce Ambulance Diversion," *Proceedings of the Winter Simulation Conference*, Austin, TX, December 13-16. (Invited paper)
21. A. Ekici†, P. Keskinocak, S. Koenig (2009), "Multi-Robot Routing with Linear Decreasing Rewards over Time," *Proceedings of the IEEE International Conference on Robotics and Automation* (ICRA), Kobe, Japan, May 12-17.
22. A. Ekici†, P. Keskinocak, J. Swann (2008), "Pandemic Influenza Response," *Proceedings of the Winter Simulation Conference*, Miami, FL, December 7-10, 1592-1600. (Invited paper)

23. Caliskan Demirag†, O., P. Keskinocak, and J. Swann (2008). "Customer Rebates and Retailer Incentives in the Presence of Competition," *Proceedings of the Manufacturing & Service Operations Management Conference*, College Park, MD, June 5-6.

24. S. Koenig, R. Borie, V. Markakis, P. Kilby, C. Tovey, P. Keskinocak (2008), "Agent Coordination with Regret Clearing," *Proceedings of the Twenty-Third AAAI Conference on Artificial Intelligence* (AAAI-08), Chicago, IL, July 13-17.

25. J. Melvin†, P. Keskinocak, S. Koenig, C. Tovey. B. Yuksel Ozkaya (2007), "Multi-Robot Routing with Rewards and Disjoint Time Windows," *Proceedings of the IEEE/RSJ International Conference on Intelligent Robots and Systems* (IROS), San Diego, CA, October 29-November 2.

26. W. Yang, I. Karaesmen and P. Keskinocak (2007), "Optimization vs. Persistence in Scheduling: Heuristics to Manage Uncertainty in On-Demand Air Travel," *Proceedings of the 3rd Multidisciplinary International Conference on Scheduling: Theory & Applications* (MISTA), Paris, August 28-31.

27. B. Yuksel Ozkaya, P. Keskinocak (2007), "Dynamic Decentralized Price and Lead-time Quotation," *Proceedings of the 14th International Annual EurOMA Conference*, Ankara, Turkey, June 17-20.

28. M. Lagoudakis, V. Markakis†, D. Kempe, P. Keskinocak, S. Koenig, A. Kleywegt, C. Tovey, A. Meyerson, S. Jain (2006), "The Power of Sequential Single-Item Auctions for Agent Coordination," *AAAI Nectar Papers Track at the Twenty-First National Conference on Artificial Intelligence* (AAAI-06), Boston, Massachusetts, July 16-20.

29. P. Pekgun†, P. Griffin, and P. Keskinocak (2006), "Centralized vs. Decentralized Decision Making under Competition for Price and Lead-time Sensitive Demand," *Proceedings of the Manufacturing & Service Operations Management Conference*, Atlanta, GA, June 20-21.

30. S. Savasaneril†, P. Griffin, and P. Keskinocak (2006), "Analysis of Lead Time Quotation Policies for Base-Stock Inventory Systems," *Proceedings of the Manufacturing & Service Operations Management Conference*, Atlanta, GA, June 20-21.

31. I. Karaesman, P. Keskinocak, S. Tayur and W. Yang (2005), "Scheduling Multiple Types of Time Shared Aircraft: Models and Methods for Practice", *Proceedings of the 2nd Multidisciplinary International Conference on Scheduling: Theory and Applications* (MISTA), edited by G. Kendall, L. Lei, and M. Pinedo, Stern School of Business, New York University, July 18-21, 19-38.

32. M. Lagoudakis, V. Markakis†, D. Kempe, P. Keskinocak, S. Koenig, A. Kleywegt, C. Tovey, A. Meyerson, S. Jain (2005), "Auction-Based Multi-Robot Routing," *Proceedings of the Robotics Science and Systems Conference*, Cambridge, Massachusetts, June 8-10.

33. M. Lagoudakis, M. Berhault†, S. Koenig, P. Keskinocak, A. Kleywegt (2004), "Simple Auctions with Performance Guarantees for Multi-Robot Task Allocation," *Proceedings of the IEEE/RSJ International Conference on Intelligent Robots and Systems* (IROS), Sendai, Japan, September 28-October 2, 698-705.

34. N. An†, W. Elmaghraby, P. Keskinocak (2004), "Bidding in Combinatorial Auctions," *Proceedings of the Institute of Industrial Engineers (IIE) Annual Conference*, Houston, Texas, May 15-19.

35. M. Berhault†, H. Huang†, P. Keskinocak, Sven Koenig, W. Elmaghraby, P. Griffin, A. Kleywegt (2003), "Robot Exploration with Combinatorial Auctions," *Proceedings of the IEEE/RSJ International Conference on Intelligent Robots and Systems*, Las Vegas, October 27-31.

    - Best Student Paper Award in the Computer Science category at the Georgia Institute of Technology Student Paper Competition sponsored by Science Applications International Corporation (SAIC) in 2004.

36. K. Charnsirisakskul†, P. Griffin, P. Keskinocak (2002), "Coordinating Lead-Time Quotation and Inventory Planning in Hybrid Make to Stock/Make to Order Environments," *Proceedings of the IIE 2002 Annual Conference*, Orlando, Florida.
37. W. Elmaghraby, A. Gulcu†, P. Keskinocak (2001), "Analysis of a Price Markdown Mechanism," *Proceedings of the Third International Workshop on Advanced Issues of E-Commerce and Web-Based Information Systems* (WECWIS), Milpitas, CA, June 21-22, 170-177.
38. P. Keskinocak, R. Goodwin, F. Wu, R. Akkiraju, S. Murthy (1999), "Decision Support for Managing and Electronic Supply Chain," *Proceedings of the Workshop on Agents in E-Commerce*, Hong Kong, 1-10.
    - Best Workshop Paper Award.
39. R. Goodwin, P. Keskinocak, S. Murthy, F. Wu, R. Akkiraju (1999), "Intelligent Decision Support for the E-Supply Chain," *Proceedings of the AIEC'99 - AAAI Workshop on Artificial Intelligence for Electronic Commerce*, Orlando, Florida, 77-81.
40. R. Akkiraju, P. Keskinocak, S. Murthy, F. Wu (1998), "Multi-machine scheduling: An agent-based approach," *Proceedings of the Fifteenth National Conference on Artificial Intelligence and the Tenth Innovative Applications of Artificial Intelligence*, Madison, Wisconsin, 1013-1019.

C. OTHER PUBLICATIONS

1. P. Keskinocak, Op-ed: Earthquake Debris Could Create an Environmental Catastrophe in Türkiye and Syria, *Scientific American*, March 25, 2023. https://www.scientificamerican.com/article/earthquake-debris-could-create-an-environmental-catastrophe-in-tuerkiye-and-syria/
2. P. Keskinocak, Op-ed: COVID-19 vaccine distribution should consider both demand and supply, *The Hill*, October 27, 2020. https://thehill.com/opinion/healthcare/522936-covid-19-vaccine-distribution-should-consider-both-demand-and-supply
3. P. Keskinocak, J. Swann, Op-ed: Fix Our Broken Medical Supply Chains, May 27, 2020. https://futureofsourcing.com/fix-our-broken-medical-supply-chains
4. P. Keskinocak, Op-ed: Turn the Cacophony Of COVID-19 Responses Into a Symphony — Now!, *Morning Consult*, May 14, 2020. https://morningconsult.com/opinions/turn-the-cacophony-of-covid-19-responses-into-a-symphony-now/
5. P. Keskinocak, Op-ed: We're in the Calm before a New Storm of COVID-19 Infections and Deaths, *Scientific American*, May 11, 2020. https://blogs.scientificamerican.com/observations/were-in-the-calm-before-a-new-storm-of-covid-19-infections-and-deaths/
6. P. Keskinocak, Op-ed: E. Ozkaya, US pharmaceutical supply chain unprepared for COVID-19, April 27, 2020. https://www.healio.com/primary-care/practice-management/news/online/%7Bc332e14e-d73a-49f9-8cb2-a7ab16343ff1%7D/us-pharmaceutical-supply-chain-unprepared-for-covid-19
7. P. Keskinocak, Challenging Times for the World and How Our Community Can Help, *OR/MS Today*, April 7, 2020.
8. P. Keskinocak, Op-ed: In 'coronapocalypse' the worst shortages could be deadly, *The Hill*, March 18, 2020. https://thehill.com/opinion/white-house/488296-in-coronapocalypse-the-worst-shortages-could-be-deadly#bottom-story-socials
9. P. Keskinocak, Op-ed: Coronavirus' health-care capacity gut check: We need to radically ramp up facilities in America, *New York Daily News*, March 23, 2020. https://www.nydailynews.com/opinion/ny-oped-coronavirus-capacity-gut-check-20200323-vdw2nsude5ehfkj3e3xavjhk54-story.html

10. P. Keskinocak, Guest column: Georgia Tech professor explains how social distancing slows spread of COVID-19: It can benefit your own health and that of entire population in coronavirus pandemic, *Atlanta Journal Constitution*, March 16, 2020. https://www.ajc.com/blog/get-schooled/georgia-tech-professor-explains-how-social-distancing-slows-spread-covid/uqoFTDBn2btbfh7T18MwmJ/
11. G. Berenguer, P. Keskinocak, J.G. Shanthikumar, J. Swaminathan, L.N. Van Wassenhove (2017), "A Prologue to the Special Issue on Not-for-Profit Operations Management," Production and Operations Management, Vol.26, No.6, 973-975.
12. J. Ahmed, P. K. Bardhan, W. Carter, L. Gonzalez, R. Hall, J. Heeger. L. Ivers, A. Khan, P. Keskinocak, H. Matzger, M. Mengel, D. Nazzal, C. Paradiso, F. Qadri, D. Sack, M. Villareal, S.A. Zahan (2013), "Comprehensive Integrated Strategy for Cholera Prevention and Control," Coalition for Cholera Prevention and Control, August.
13. P. Keskinocak, S. Xia, M. Janakiram, T. Maku (2011), "Supply Chain Game," OR/MS Today, October.
14. O. Ergun, P. Keskinocak, J. Swann (2011), "Introduction to the Special Issue on Humanitarian Applications: Doing Good with Good OR," *Interfaces*, Vol.41, No.3, 215-222.
15. P. Keskinocak (2010), "Collaborative Key to Disaster Recovery," *Air Cargo World*, June. http://www.aircargoworld.com/Magazine/Departments/Viewpoint/June-2010
16. O. Ergun, P. Keskinocak, J. Swann, J. Heier Stamm, M. Villarreal (2010), "How to Improve Humanitarian Logistics?" *Analytics*, Spring, 31-35.
17. O. Ergun, P. Keskinocak, J. Swann, "Logistics Ignored in Disaster Relief," Atlanta Journal Constitution (February 2, 2010)
18. O. Ergun, P. Keskinocak, J. Swann, M. Villarreal (2009), "Humanitarian Logistics: Uncertainty, Damaged Infrastructure, and Politics Highlight Top- 10 Challenges Facing Analysts during Disasters," *Analytics*, Spring, 31-34.
19. O. Ergun, G. Karakus, P.Keskinocak, J.Swann, M.Villarreal (2009), "Humanitarian Supply Chain Management - An Overview," in *Models and Algorithms for Optimization in Logistics*, C. Barnhart, U. Clausen, U. Lauther, R.H. Mohring (editors), *Dagstuhl Seminar Proceedings*, Schloss Dagstuhl - Leibniz-Zentrum fuer Informatik, Dagstuhl, Germany.
20. O. Ergun, P. Keskinocak, J. Swann (2007), "Humanitarian Relief Logistics," *OR/MS Today*, December, 28-33.
21. Garrow, L., M. Ferguson, P. Keskinocak, J. Swann (2006), "Expert opinions: Current pricing and revenue management practice across U.S. industries," *Journal of Revenue and Pricing Management,* Vol. 5, No.3, 237-247.
22. W. Elmaghraby, P. Keskinocak, M. Rothkopf (2005), "Introduction to the Special Issue Dynamic Pricing Policies in Electronic Commerce," *Electronic Commerce Research Journal*, Vol. 5, No. 2, 175-180.
23. P. Keskinocak and W. Elmaghraby (2000), "Ownership in Digital Marketplaces," *European American Business Journal*, November, 71-74.
24. P. Keskinocak (1999), "Corporate High Flyers," *OR/MS Today*, December, 22-25.
25. S. Murthy, R. Akkiraju, R. Goodwin, P. Keskinocak, J. Rachlin, F. Wu, S. Kumaran, R. Daigle (1999), "Enhancing the Decision Making Process for Paper Mill Schedulers," *Tappi Journal* 82, 42-49.
26. P. Keskinocak (1998), "On-Line Algorithms: How Much Is It Worth to Know the Future?," IBM Research Report RC21340.

27. R. Akkiraju, R. Goodwin, P. Keskinocak, S. Murthy, F. Wu (1998), "A New Decision Support System for Paper Manufacturing," *Proceedings of the 6th International Workshop on Project Management and Scheduling*, July, Istanbul, Turkey.
28. P. Keskinocak, R. Ravi, S. Tayur (1998), "Algorithms for reliable lead time quotation," *Proceedings of the 6th International Workshop on Project Management and Scheduling*, July, Istanbul, Turkey.

D. PRESENTATIONS

D1. Invited seminars

1. Department of Industrial and Management Systems Engineering, University of South Florida, *Del and Beth Kimbler Lecture*, November 2024.
2. Culverhouse College of Business, University of Alabama, November 2024.
3. Department of Industrial and Systems Engineering, Texas A&M University, March 2024.
4. Department of Operations Research and Engineering Management, Southern Methodist University, October 2023.
5. Department of Industrial & Systems Engineering, University of Florida, March 2023.
6. W. P. Carey School of Business, Arizona State University, October 2022.
7. Department of Industrial Engineering, Clemson University, October 2022.
8. Department of Industrial and Systems Engineering, University of Illinois at Urbana-Champaign, September 2022.
9. Centrum Wiskunde & Informatica (CWI), Netherlands, November 2021.
10. Department of Civil & System Engineering, Johns Hopkins University, September 2021
11. Massachusetts General Hospital Institute for Technology Assessment, September 2021.
12. Smeal College of Business, Penn State University, April 2021.
13. Department of Industrial and Systems Engineering, Texas A&M University, October 2020.
14. Robert H. Smith School of Business, University of Maryland, November 2019.
15. Department of Industrial and Systems Engineering, University of Minnesota, May 2019.
16. Department of Industrial and Systems Engineering, Rensselaer Polytechnic Institute, November 2018.
17. Department of Industrial & Systems Engineering, University of Southern California, October 2018.
18. Department of Management Sciences, University of Waterloo, June 2018.
19. Department of Industrial and Systems Engineering, University of Washington, May 2018.
20. Stern School of Business, New York University, May 2018.
21. Yale School of Management, May 2018.
22. Tepper School of Business, Carnegie Mellon University, May 2018.
23. School of Industrial Engineering, Purdue University, Distinguished Lecture, February 2018.
24. McCombs School of Business, University of Texas at Austin, February 2018.
25. Desautels Faculty of Management, McGill University, Canada, June 2015.
26. Department of Industrial Engineering & Management Sciences, Northwestern University, May 2015.

27. Department of Industrial Engineering and Operations Research, University of California at Berkeley, April 2015.
28. Singapore University of Technology and Design, September 2014.
29. London Business School, May 2014.
30. University College London, May 2014.
31. Carroll School of Management, Boston College, April 2014.
32. School of Computing, Informatics, and Decision Systems Engineering, Arizona State University, April 2014.
33. Sauder School of Business, University of British Columbia, March 2014.
34. Department of Industrial Engineering, State University of New York at Buffalo, March 2014.
35. Texas A&M University, Mays Business School, January 2014.
36. University of Toronto, Department of Mechanical & Industrial Engineering, April 2013.
37. Department of Industrial Engineering, University of Pittsburgh, September 2010
38. Joint seminar, Department of Industrial and Operations Engineering & Ross School of Business, University of Michigan, September 2010
39. Department of Industrial and Manufacturing Engineering, Penn State, January 2010.
40. University of Minnesota, November 2009.
41. University of Lugano, Switzerland, July 2009.
42. Desautels Faculty of Management, McGill University, Canada, April 2009.
43. Rollins School of Public Health, Emory University, April 2009.
44. Tepper School of Business, Carnegie Mellon University, March 2009.
45. Graduate School of Business, Stanford University, November 2008.
46. GVU Brown Bag Seminar Series, Georgia Institute of Technology, "Hospital Acquired Infections and Intervention Strategies," October 2008.
47. State of Georgia, Pandemic Flu Planning Committee, "Influenza Pandemic Planning and Response," Atlanta, GA, August 2008.
48. Robert H. Smith School of Business, University of Maryland, April 2008.
49. Department of Managerial Economics & Decision Sciences, Kellogg School of Management, Northwestern University, April 2007.
50. Graduate School of Business, Columbia University, March 2006.
51. Department of Industrial and Operations Engineering, University of Michigan, March 2006.
52. Operations Research Center, MIT, March, 2006.
53. Department of Industrial Engineering, Arizona State University, February 2006.
54. Center for Information and Systems Engineering, Boston University, October 2005.
55. Department of Industrial Engineering, State University of New York (SUNY) at Buffalo, April 2005. Omega-Rho speaker of the year [4].

[4] Omega Rho International Honor Society for operations research, management science, and related areas was founded in 1976 and is a Member Society of the Association of College Honor Societies for maintaining high standards for the recognition and promotion of academic excellence in higher education.

56. Department of Industrial Engineering, Koc University, Istanbul, Turkey, July 2004.
57. Haas School of Business, University of California, Berkeley, January 2004.
58. Department of Industrial Engineering and Management Sciences, Northwestern University, December 2003.
59. Frank Batten Young Scholars Forum, School of Business Administration, College of William and Mary, July 2002.
60. School of Business and Department of Industrial and Systems Engineering, National University of Singapore, June, 2001.

D2. Keynote, Plenary, Tutorial, Special Sessions at Conferences

1. P. Keskinocak, "Keynote: Smarter Decisions Toward Preventing, Controlling, and Eliminating Infectious Diseases," INFORMS Annual Conference, October 20-23, 2024, Seattle, WA.
2. P. Keskinocak, "Plenary: Operations Research for Preventing, Controlling, and Eradicating Infectious Diseases," Modeling and Optimization: Theory and Applications (MOPTA), Betlehem, PA, August 14-16, 2025.
3. P. Keskinocak, "Plenary: Harold Larnder Memorial Lecture - Operations Research for Infectious Disease Prevention, Control, and Eradication," Canadian Operational Research Society (CORS) Annual Conference, London, ON, Canada, 3-5 June 2024.
4. P. Keskinocak, Health Applications Society Distinguished Speaker Session: "Modeling to Inform Strategies for Disease Eradication: The Case of Guinea Worm Disease," INFORMS Annual Conference, October 15-18, 2023, Phoenix, AZ.
5. P. Keskinocak, "Keynote: Industrial Engineering for Health: Combatting Infectious Diseases," IISE Annual Conference & Expo, Seattle, WA, May 21-24, 2022.
6. P. Keskinocak, "Plenary: Modeling Infectious Diseases, Evaluating Intervention Strategies, and Resource Allocation," 40th Congress on Operations Research and Industrial Engineering (YA/EM), July 5-7, 2021.
7. P. Keskinocak, "Plenary: Infectious Disease Modeling & Informing Decisions," Production and Operations Management Society (POMS) Conference, April 30-May 5, 2021. https://www.youtube.com/watch?v=FzT1BKw8DSM
8. P. Keskinocak, "Keynote: Infectious Disease Modeling, Projecting Disease Spread, and Evaluating the Impact of Interventions," 46th Conference on the Mathematics of Operations Research, January 22, 2021.
9. P. Keskinocak, "Keynote: Modeling the Spread of Infectious Diseases and Evaluating the Impact of Intervention Strategies," Workshop on Information Technologies and Systems (WITS), December 16-18, 2020.
10. P. Keskinocak, N. Martin, J.A. Rogers, "Keynote: Discourse on Pandemic Response," UbiComp/ ISWC (ACM International Symposium on Wearable Computers) joint conference, September 12-17. 2020.
11. P. Keskinocak, "Plenary: Quantitative models for decision-support in healthcare applications," 25th International Conference on Multiple Criteria Decision Making, Istanbul, Turkey, June 16-21, 2019.
12. P. Keskinocak, "Keynote: Quantitative models embedded in decision-support tools for healthcare applications," EURO Conference (29th European Conference on Operational Research), Valencia, Spain, July 8-11, 2018.

13. T. Ayer, P. Keskinocak, and J. Swann, "A Tutorial in OR/MS Research in Public Health," INFORMS, Fall 2014.
14. P. Keskinocak, J. Swaminathan, L. Van Wassenhove, "Tutorial and Panel Discussion – Not for Profit Operations Management," Production and Operations Management Society (POMS) Conference, Atlanta, GA, May 8-12, 2014.
15. O. Ergun, P. Keskinocak, and J. Swann, "Health and Humanitarian Logistics," IIE Conference, Istanbul, Turkey, June 26-28, 2013.
16. O. Ergun, P. Keskinocak, and J. Swann, "Humanitarian Logistics – A Tutorial," INFORMS, Phoenix, AZ, October 14-17, 2012.
17. O. Ergun, P. Keskinocak, and J. Swann, "Humanitarian Logistics - An Overview," INFORMS, San Diego, CA, October 11-14, 2009.
18. O. Ergun, P. Keskinocak, J. Swann, "Humanitarian Logistics," INFORMS Southwest Regional Conference, College Station, TX, April 18-19, 2008.
19. P. Keskinocak, "Health Logistics," Health Systems Institute Student Symposium, Atlanta, GA, April 25-26, 2008.
20. P. Keskinocak, "Humanitarian Operations," Kellogg Operations Workshop, Evanston, IL, September 5-6, 2008.

D3. Webinars

1. P. Keskinocak, "Infectious Disease Modeling, Evaluating Interventions, and Resource Allocation," INFORMS Health Applications Section, March 24, 2023.
2. P. Keskinocak, J. Swann, "INFORMS Webinar: How Operations Research and Analytics Can Improve Disaster Preparedness and Response," May 2021. https://www.youtube.com/watch?v=xlp2mUsdjRc
3. P. Keskinocak, "Infectious Disease Modeling and Evaluating the Impact of Interventions," Royal Dutch Academy of Sciences (KNAW) Webinar, April 19, 2021.
4. P. Keskinocak, J.L. Swann, "Analytics for Infectious Disease Control," INFORMS Practice Section Webinar, October 12, 2020.
5. P. Keskinocak, J.L. Swann, "How to Model Diseases and use those Models to Drive Timely Decisions and Actions that Produce Rapid Benefits," IISE Webinar, August 18, 2020. https://www.iise.org/media/IISE/HowToModelDiseases.mp4

D4. Special Events

1. Panelist, "Success and Challenges in Academia," IISE Doctoral Colloquium, Atlanta, GA, May 31, 2025.
2. Panelist, "Health Care Innovations: The Next Big Breakthrough," October 25, 2022. https://thehill.com/events/3676750-health-care-innovations/
3. Panelist, "Research, Publishing, and Tenure," 2nd Doctoral Workshop on Supply Chain Analytics, June 2, 2021. https://youtu.be/NXFxpHK5lZ4
4. Panelist, T Rowe Price Foundation webinar featuring Pro Bono Analytics, April 28, 2021.
5. Panelist, "Lessons learned from the pandemic, preparing for the next pandemic, and social courage," Ivan Allen Jr. Prize for Social Courage award ceremony honoring Dr. Fauci, March 15, 2021.

6. Panel moderator, “Food Assistance Supply Chains and Traceability,” USIAD The Future of Food Assistance for Nutrition: Evidence Summit II, October 5-8, 2020. https://www.youtube.com/watch?v=f2BDfCum1tg&feature=youtu.be
7. Panelist, “Diversity, Equity, and Inclusion at Georgia Tech, Berkeley, and Michigan,” NextProf Nexus, October 2-3, 2019.
8. “Math and Engineering for Social Good,” Roswell Rotary Club, November1, 2018. (In addition to Rotarians, there were several elementary, middle, and high school students at this event)
9. “Math and Engineering for Social Good,” Rotary District 6900 Conference, Sandestin, FL, April 27-29, 2018.
10. Keynote speaker, Society for Women Engineers Awards Banquet, Atlanta, GA, April 2018.
11. ADVANCE Mentoring Panel on “Raising an Academic Family,” Atlanta, GA, October, 2014.
12. ADVANCE Mentoring Panel on “Research Center Development and Leadership,” Atlanta, GA, February, 2014.
13. Panelist, A Georgia Tech Forum: Focus on Japan. http://www.gatech.edu/japan/, Atlanta, GA, April 19, 2011.

D4. Conference presentations (each paper is invited or abstract-reviewed)

(Presentations from 2019 and earlier years are listed at the end of this document)

1. H. Smalley, P. Keskinocak, “Diagnostics for Detecting Prepatent Guinea Worm Infections among Dogs in the Last Mile of Disease Eradication: The Impacts of Disease Prevalence and Tethering Compliance,” IISE Annual Conference, May 31-June3, 2025, Atlanta, GA.
2. H. Xue, Y. Sun, P. Keskinocak, L. Steimle, “Optimizing Vaccination Strategies for Polio Eradication: A Case Study on Adaptive Outbreak Response,” IISE Annual Conference, May 31-June3, 2025, Atlanta, GA.
3. Y. Sun, P. Keskinocak, L. Steimle, “Quantifying the Impact of Targeted Vaccine Distribution on Polio Outbreak Response Outcomes,” IISE Annual Conference, May 31-June3, 2025, Atlanta, GA.
4. X. Wang, P. Keskinocak, H. Smalley, “Optimize ProCCM Sweeps with Simulation Optimization for Malaria Control,” IISE Annual Conference, May 31-June3, 2025, Atlanta, GA.
5. Z. Zhang, H. Smalley, P. Keskinocak (Poster Presentation), “Spatial-Temporal Dynamics of Guinea Worm Disease: Risk and Intervention Simulations in Chad,” IISE Annual Conference, May 31-June3, 2025, Atlanta, GA.
6. Y. Sun, H. Xue, P. Keskinocak, L. Steimle, “Quantifying the Impact of Vaccinating Under-Immunized Groups in Polio Outbreak Responses: A Model-Based Study” INFORMS Annual Conference, October 20-23, 2024, Seattle, WA.
7. H. Smalley, P. Keskinocak, M. Delea, O. Eneanya, A. Weiss, “Using Simulation Modeling to Inform Strategies for the Eradication of Guinea Worm Disease,” INFORMS Annual Conference, October 20-23, 2024, Seattle, WA.
8. P. Keskinocak, “Modeling to Inform Strategies for Disease Eradication,” The Canadian Healthcare Optimization Workshop (CHOW), June 2, 2024, London, ON, Canada.

9. Y. Sun, P. Keskinocak, L.N. Steimle, S. Kovacs, S. Wassilak, "Modeling the Vaccination Interventions to Control the Spread of Circulating Vaccine-Derived Poliovirus Type 2 Outbreaks" (poster), SMDM 45th Annual North American Meeting, October 22, 2023, Philadelphia, PA.
10. Y. Sun, P. Keskinocak, L.N. Steimle, S. Kovacs, S. Wassilak, "Modeling the Vaccination Interventions to Control the Spread of Circulating Vaccine-Derived Poliovirus Type 2 Outbreaks," INFORMS Annual Conference, October 15-18, 2023, Phoenix, AZ.
11. D. Wang, R. Bian, S. Situ, Y. Su, J. Sokol, P. Keskinocak, P. Griffin, Y.-H. Chen, "Using a Vaccine Scheduling Recommendation App to Make an Informed Immunization Schedule Decision in China," INFORMS Annual Conference, October 15-18, 2023, Phoenix, AZ.
12. B. Yildiz, V. Bayram, V. Akbarighadikolaei, A.K. Dogru, P. Keskinocak, "Multimodal Social Aid Distribution in Urban Areas," INFORMS Annual Conference, October 15-18, 2023, Phoenix, AZ.
13. B.E. Oruc, P. Keskinocak, M. Singh, "Graph Partitioning & Assignment to Heterogeneous Resources: Applications in Disaster Debris Collection," INFORMS Annual Conference, October 15-18, 2023, Phoenix, AZ.
14. A. Fujimoto Wakabayashi, P. Keskinocak, S. Bowden, "Impact of Mitigation Measures in Cruise Ships Using an Agent-Based Model," INFORMS Annual Conference, October 15-18, 2023, Phoenix, AZ.
15. Y. Sun, P. Keskinocak, L.N. Steimle, S. Kovacs, S. Wassilak, "A Model-based Study to Inform Prevention and Outbreak Response Strategies to Eliminate Circulating Vaccine-derived Poliovirus Type 2," INFORMS Healthcare Conference, July 26-28, 2023.
16. Y. Sun, P. Keskinocak, L.N. Steimle, S. Kovacs, S. Wassilak, "A Model-based Study to Inform Prevention and Outbreak Response Strategies to Eliminate Circulating Vaccine-derived Poliovirus Type 2," IISE Annual Meeting, New Orleans, LA, May 2023.
17. A.Z. Yu, P. Keskinocak, J. Sokol, Y.-H. Chen, "A Universal Optimization Model for Pediatric Vaccine Scheduling," INFORMS Annual Conference, October 15-18, 2022.
18. K. Hampapur, P. Keskinocak, D. Goldsman, "Evaluating Deceased-donor Kidney Allocation Policies via a Discrete-event Simulation Model," INFORMS Annual Conference, October 16-19, 2022.
19. Y. Sun, P. Keskinocak, S. Kovacs, L.N. Steimle, "A Model-based Study of Preventions and Outbreak Response Options to Eliminate Circulating Vaccine-derived Poliovirus Type 2," INFORMS Annual Conference, October 16-19, 2022.
20. D. Nazzal, P. Keskinocak, A. Fujimoto Wakabayashi, S. Alnasser, C. Diggs, Z. Peibo, M. Ali, H. Yin, W. Liu, N. Serban, "Measuring the Impact of Schools' Interventions Measurements on Covid-19 Spread in the US: A Decision Support Tool," INFORMS Annual Conference, October 16-19, 2022.
21. P. Keskinocak, "COVID-19 Vaccine Portfolio Planning and Allocation," Increasing Accessibility through Mobile Vaccination: A capacity building approach, Project Workshop & Training Sessions, Turkey, September 1-2, 2022.
22. P. Keskinocak, Panelist in "Medical Countermeasures and other Medical Supply Chain Considerations," Workshop on Lessons from COVID-19 for the Future of the Public Health Emergency Enterprise: What Happened to the Plans? *National Academies of Sciences, Engineering, and Medicine*, May 17-18, 2022.
23. D. Kim, P. Keskinocak, P. Pekgun, I. Yildirim, "The Balancing Role of Distribution Speed against Varying Efficacy Levels of COVID-19 Vaccines under Variants," POMS Annual Conference, April 21-25, 2022.

24. D. Kim, P. Keskinocak, B.L. Toktay, "Recycling of Post-Disaster Debris: A Game Theoretical Approach," POMS Annual Conference, April 21-25, 2022.

25. P. Keskinocak, Panelist: Communicating with Stakeholders in Health, INFORMS Annual Conference, Anaheim, CA, October 24-27, 2021.

26. A. Chu, P. Keskinocak, O. Kulkarni, R. Ojha, Optimizing Shift Schedules and Dispatch of Safety Patrol Officers for Denver Public Schools, INFORMS Annual Conference, Anaheim, CA, October 24-27, 2021.

27. D. Kim, P. Keskinocak, B.L. Toktay, Recycling of Post-Disaster Debris: A Game Theoretical Approach, INFORMS Annual Conference, Anaheim, CA, October 24-27, 2021.

28. Y. Sun, P. Keskinocak, S. Kovacs, L.N. Steimle, A Model-Based Study of Eliminating Circulating Vaccine-Derived Poliovirus Type 2 (cVDPV2), INFORMS Annual Conference, Anaheim, CA, October 24-27, 2021.

29. A. Baxter, P. Keskinocak, M. Singh, Heterogeneous Multi-Resource Allocation Problem, INFORMS Annual Conference, Anaheim, CA, October 24-27, 2021.

30. F. Castillo-Zunino, P. Keskinocak, D. Nazzal, M.C. Freeman, Explaining Zambia's Childhood Vaccination Success, INFORMS Annual Conference, Anaheim, CA, October 24-27, 2021.

31. S. Guven-Kocak, P. Keskinocak, Endogenous Network Restoration Under Uncertainty, INFORMS Annual Conference, Anaheim, CA, October 24-27, 2021.

32. H. Wilborn Lagerman, M. Dahan, P. Keskinocak, Operations Planning and Risk Management in Covid-19 Surveillance Testing Programs, INFORMS Annual Conference, Anaheim, CA, October 24-27, 2021.

33. B.E. Oruc, P. Keskinocak, M. Singh, A Balanced Network Partitioning with An Application In Post-disaster Debris Collection, INFORMS Annual Conference, Anaheim, CA, October 24-27, 2021.

34. A. Baxter, P. Keskinocak, M. Singh, Heterogeneous Multi-Resource Allocation Problem, INFORMS Annual Conference, Anaheim, CA, October 24-27, 2021.

35. Y. Zhang1, K. Johnson1, Z. Yu, A. Fujimoto, K. Hassmiller Lich, J. Simmons Ivy, P. Keskinocak, M. Mayorga, J. Swann, The Impact of Interventions on COVID-19 Transmission in K12 Schools in Fall 2021, INFORMS Annual Conference, Anaheim, CA, October 24-27, 2021.

36. P. Keskinocak, "Modeling and Analytics for Infectious Diseases and Covid-19," Featured Session on Bioinformatics, Data Science, AI and COVID; 12th ACM Conference on Bioinformatics, Computational Biology, and Health Informatics, August 1-4, 2021.

37. Z. Yu, S. Steimle, P. Keskinocak, "The Impact of Testing Availabilities and Compliance with Self-isolation on Covid-19: A Mathematical Modeling Study," INFORMS Healthcare Conference, July 21-23, 2021.

38. M. Yildirim, B. Gaynes, P. Keskinocak, B. Pence, J. Swann, "Systematic Investigation of Parameters and Calibrations to Adapt the Natural History Model of Major Depression to the Current U.S. Adult Population," INFORMS Healthcare Conference, July 21-23, 2021.

39. D. Kim, P. Pekgun, I. Yildirim, P. Keskinocak, "Resource Allocation for Different Types of Vaccines against Covid-19: Tradeoffs and Synergies Between Efficacy and Reach," INFORMS Healthcare Conference, July 21-23, 2021.

40. B.E. Oruc Aglar, A. Baxter, J. Asplund, P. Keskinocak, N. Serban, "The Benefits and Consequences of Nonpharamceutical Intervention Strategies," INFORMS Healthcare Conference, July 21-23, 2021.

41. M. Yildirim, B. Gaynes, P. Keskinocak, B. Pence, J. Swann, "Gender Differences in Cost-Effectiveness of Depression Screening," INFORMS Healthcare Conference, July 21-23, 2021.

42. P. Keskinocak, "Infectious Disease Modeling and Evaluating Intervention Strategies," Bi-Annual Euro Hope Summer School on Humanitarian Logistics, July 1-3, 2021.

43. B. Eylul Oruc, A. Baxter, J. Asplund, P. Keskinocak, N. Serban, "Homebound by COVID19: The Benefits and Consequences of Non-Pharmaceutical Intervention Strategies," POMS, April 30-May 5, 2021.

44. P. Keskinocak, "Covid-19, Airlines, Society," Workshop on Flying in the COVID-19 Era--Science-based Risk Assessments and Mitigation Strategies on the Ground and in the Air, the National Academies of Sciences, Engineering, and Medicine, February 4-5, 2021.

45. P. Keskinocak, "Systems Thinking in Healthcare and Health Professions Education," Lessons Learned in Health Professions Education from the COVID-19 Pandemic: A Workshop, the National Academies of Sciences, Engineering, and Medicine, December 3, 2020.

46. A. Baxter, B. Eylul Oruc, J. Asplund, P. Keskinocak, N. Serban, "The Impact of Social Distancing on Covid19 Spread: State of Georgia Case Study," INFORMS Annual Conference, November 8-12, 2020.

47. F. Castillo-Zunino, P. Keskinocak, D. Nazzal, M. Freeman, "The Impact of Health Spending on Routine Childhood Immunization in Low-income Countries," INFORMS Annual Conference, November 8-12, 2020.

48. Z. Yu, P. Keskinocak, B.L. Toktay, "A Bi-objective Optimization Model for the Pricing Problem of Group Purchasing in Healthcare," INFORMS Annual Conference, November 8-12, 2020.

49. X. He, L. Xie, Y. Xie, P. Keskinocak, J. Sokol, "Pediatric kidney transplant survival analysis using statistical machine learning," INFORMS Annual Conference, November 8-12, 2020.

50. A. Baxter, B. Eylul Oruc, J. Asplund, P. Keskinocak, N. Serban, "Evaluating Scenarios for School Reopening Under COVID19," INFORMS Annual Conference, November 8-12, 2020.

51. A.M. Estrada-Gomez, P. Keskinocak, K. Paynabar, J. Sokol, "Time-to-transplant Estimation for Adult Candidates in The US Liver Allocation System," INFORMS Annual Conference, November 8-12, 2020.

52. A. Baxter, B. Eylul Oruc, J. Asplund, P. Keskinocak, N. Serban, "Homebound by COVID19: The Benefits and Consequences of Non-Pharmaceutical Intervention Strategies," INFORMS Annual Conference, November 8-12, 2020. Poster presentation.

    - 3rd place at the INFORMS Poster Competition.

E. OTHER SCHOLARLY ACCOMPLISHMENTS

Patent

1. R. Akkiraju, B.L. Dietrich, P. Keskinocak, S. Murthy, J.N. Rachlin, F. Wu (2002), United States Patent 6,490,572, "Optimization Prediction for Industrial Processes," December 3.

Software

2. F. Engineer, P. Keskinocak, L. Pickering (2008), "Catch-up Scheduling for Childhood Immunization"
    - For children between ages 0-6 who fall behind the vaccination schedule recommended by the Centers for Disease Control and Prevention, this tool creates a personalized schedule given the child's vaccination history. The tool has been downloaded over 107,500 times between June 2008-March 2012. Implementation of the tool is currently under way for other countries including Canada and Turkey.

3. H. Smalley, F. Engineer, P. Keskinocak, L. Pickering (2010), "Catch-up Scheduling for Adult Immunization"
    - The tool has been downloaded over 58,000 times between January 2010-September 2014.
4. H. Smalley, F. Engineer, P. Keskinocak, L. Pickering (2011), "Catch-up Scheduling for Adolescent Immunization"
    - The tool has been downloaded over 40,600 times between March 2011- September 2014.
5. The online version of the Catch-up Scheduling for Childhood Immunization (2012-present) https://www.vacscheduler.org, http://www.cdc.gov/vaccines/schedules/easy-to-read/child.html
    - This version was released on CDC's website in January 2012 hand has been visited over 800,000 times between January 2012 and March 2018.

V. SERVICE

A. PROFESSIONAL CONTRIBUTIONS

Expert Panel

- Clinical Decision Support (CDS) Expert Panel, The Immunization Information Systems Support Branch (IISSB) at the Centers for Disease Control and Prevention (CDC) 2011- 2012.

Board

- *Chief Scientist*, Creative Destruction Lab-Atlanta, 2020.
- *Advisory Board Member*, Safe Water Now (http://www.safewaternow.org/) 2011-2019.
- *Advisory Board Member*, International Association of Public Health Logisticians (IAPHL), http://iaphl.org/, 2017-2022.
- *Advisory Board Member*, Bilkent University, Industrial Engineering Department, 2011-present.

Committee Membership

- Centrum Wiskunde & Informatica (CWI) (national research institute for mathematics and computer science in the Netherlands) Scientific Advisory Committee, 2025.
- *Global Logistics Cluster Partnership Working Group*. May 2022-present. https://logcluster.org/logistics-cluster-working-groups grants
- Committee on "Addressing Issues of Vaccine Distribution and Supply Chains to Advance Pandemic and Seasonal Influenza Preparedness and Response," *National Academies of Sciences, Engineering, and Medicine* (2021). Examine supply chain and distribution challenges related to vaccines and vaccinations during the COVID-19 response and explore their implications for pandemic and seasonal influenza.
- *Health Equity Strategy Subcommittee*, Georgia Department of Public Health, 2020. Goals include to create a plan to help the DPH build community partnerships, reach out to contacts to start building out a list of existing relationships, catalogue current community partnerships
- Member*, COVID19 Laboratory Surge Capacity Task Force* (State of Georgia), 2020.
- Committee on "Building Adaptable and Resilient Supply Chains after Hurricanes Harvey, Irma, and Maria," *National Academies of Sciences, Engineering, and Medicine* (2018-2019). Conduct a study to

document and understand the strengths and vulnerabilities of the supply chain network in areas impacted by Hurricanes Harvey, Irma, and Maria in 2017. The study captured key lessons and observations around supply and distribution networks under strain during these hurricane events.

- *Health Informatics Academic Alliance Steering Committee* (2015-2016)
  The committee (charged by the Chancellor) was "established by the University System of Georgia (USG) to create recommendations to initiate a visionary pathway for growing the USG's capabilities in health informatics as well as significantly increasing the number of graduates coming from our institutions qualified to serve the varied needs of the health informatics industry, healthcare providers, logistical support services and insurers. The establishment of the Health Informatics Academic Alliance will facilitate and direct the creation of such recommendations. The work done by the Alliance will be structured as a partnership between the USG and Technical College System of Georgia (TCSG) and their respective academic institutions."

Editorial

Department Editor

- *Operations Research, Policy Modeling and Public Sector*, 2012-2017.
- *IISE Transactions on Healthcare Systems Engineering*, 2019-2020.
- *Service Science*, 2019-2022.

Senior Editor

- *Production and Operations Management*, Supply Chain Management, 2005-2010.
- *Production and Operations Management*, Revenue Management, 2006-2010.

Associate Editor

- *Operations Research*, OR Practice, 2011.
- *Management Science*, Operations and Supply Chain Management Department, 2006-2008.
- *IIE Transactions*, (1) Supply Chains, (2) Production-Inventory Systems, 2001-2018.
- *Manufacturing & Service Operations Management*, 2009-2020.

Member of the Editorial Board

- *Service Science*, 2016-2018.
- *Manufacturing & Service Operations Management*, 2002-2005.
- *Journal of Revenue & Pricing Management*, 2003-2008.
- *Production and Operations Management*, 2004-2005.

Special Issue Editor

- Special issue of *Production and Operations Management* (with G. Berenguer, G. Shantikumar, J. Swaminathan, L. Van Wassenhove), Not for Profit Operations Management, 2014-2016.
- Special issue of *Interfaces* (with O. Ergun and J. Swann), Humanitarian Applications: Doing Good with Good OR, 2009-2011.
- Special Issue Editor of *INFORMS Transactions on Education*, July 2005 – December 2008.
- Special issue of *Electronic Commerce Research Journal* on "Dynamic Pricing Policies in Electronic Commerce," guest editors W. Elmaghraby, P. Keskinocak, and M. Rothkopf, Vol.5, No.2, 2005.

Service in professional organizations

- *Member*, INFORMS Nominating Committee, 2024-2025.
- INFORMS *President-Elect* (2019), *President* (2020), *Past-president* (2021)
- *Secretary* – INFORMS (2016-2017)
  The secretary serves as a member of the board and the Executive Committee, which consists of the President, the President-Elect, the Past President, the Treasurer, and the Secretary. Responsibilities include preparing meeting agendas and recording minutes, managing the process for officer and Board elections, conducting and maintaining correspondence resulting from deliberations of the Board, and together with others in leadership, reviewing and approving certain expenses, e.g., for new initiatives.
- *Member* –INFORMS Ad-Hoc Diversity Committee (2016)

  Provide recommendations to the INFORMS Board for a society-wide initiative that will make INFORMS more accommodating and reflective of members from diverse backgrounds, perspectives and abilities, and that will better enable INFORMS to make substantial contributions to an increasingly diverse society.
- *Vice President/President-elect* (2013), *President* (2014), and *Past-President* (2015) - INFORMS Health Application Society.

  The Health Applications Society with 500+ members focuses on the topics of health applications, with the aim of identifying current and potential problems and contributions to their solutions; to lead in the development, dissemination, and implementation of knowledge and advancing the basic and applied research technologies on health applications.
- *Co-founder* (2008)*, president-elect* (2009), *president* (2010), and *past-president* (2011) - INFORMS Section on Public Programs, Service, and Needs. (Renamed later as INFORMS Public Sector Operations Research)
- *Vice President of Membership and Professional Recognition* - INFORMS Board, January 2008 – December 2010.
- *President* - INFORMS Forum for Women in OR/MS (WORMS), 2005-2006.

  The purpose of WORMS is to encourage interest in the field of operations research and the management sciences; to encourage discussion and interaction among individuals having interest in the issues facing women and its relationship to the profession of operations research and the management sciences; to advise the INFORMS Board on aspects of issues facing women in the profession of operations research and the management sciences and to keep the INFORMS Board apprised of developments in this area.

  Established the WORMS Award.
- *President and co-founder* - INFORMS Junior Faculty Interaction Group (JFIG), 2004-2005.

  The goal of JFIG (founded in 2001) is to create a forum to increase junior faculty interaction with each other, with senior faculty, and with industry, and to provide opportunities for networking and collaborative research. The group has around 150 members and the participation is increasing rapidly.

  Established the JFIG Paper Competition.
- *Vice President*-Projects, INFORMS Forum on Education (INFORM-ED), 2002-2004.

  INFORM-ED provides publications, workshops, conference sessions, resources and networking opportunities for individuals interested in the teaching of operations research and the management sciences at institutions of higher education.

- *Vice President*-Meetings, INFORMS Forum on Education (INFORM-ED), 2004-2006.
- *Vice President*-Meetings, INFORMS Forum for Women in OR/MS (WORMS), 2002-2005.
- *Secretary and Treasurer*, MSOM Society, INFORMS, 2004-2005.
- *Treasurer*, INFORMS Junior Faculty Group (JFIG), 2001-2003.
- *Chair*, INFORMS Manufacturing and Service Operations Society (MSOM) Special Interest Group (SIG) on Supply Chain Management, 2007-2009.
- *Member*, MSOM Young Scholar Award Committee, 2018.
- *Member*, INFORMS OR/MS Today and Analytics Committee, April 2009-2011.
- *Member*, INFORMS Nominating Committee, 2007-2008.
- *Member*, INTERFACES Editor Review Committee, March-August 2007.
- *Member*, INFORMS Strategic Planning Committee, 2006-2009.
- *Panelist,* Laying Foundations: From the Interview to the Job, INFORMS Future Academician Colloquium, November 12, 2005, San Francisco, CA.
- *Panelist*, Job Search Strategies: Perspectives of Candidates, IIE Doctoral Colloquium, May 14, 2005, Atlanta, GA.
- *Chair*, INFORMS Doctoral Colloquium, October 19-22, 2003, Atlanta, GA.

  Over one hundred students attended this prestigious program in 2003, having the opportunity to listen and interact with over 20 leading scholars.

Award Committees

- *Member*, POMS Early Career Research Accomplishments Award Committee, 2022.
- *Judge,* Minority Issues Forum student poster competition, INFORMS, 2016.
- *Judge*, Pierskalla Paper Competition, INFORMS, 2016.
- *Member*, INFORMS Women in OR/MS Award Committee, 2007, 2011.
- *Chair*, George Nicholson Student Paper Competition, INFORMS, 2005.

  The competition is held each year to honor outstanding papers in the field of operations research and the management sciences written by a student.
- *Judge*, MSOM Student Paper Competition, INFORMS, 2001, 2003, 2004.
- *Judge*, George Nicholson Student Paper Competition, INFORMS, 2004.

Conference/workshop/session organization

Conference chair

- Health and Humanitarian Logistics Conference
  - Nairobi, Kenya, November 2022 (co-chair with G. Fenton).
  - Brussels, November 2022 (co-chair with G. Fenton).
  - Virtual, September 2021 (co-chair with G. Fenton).
  - Virtual, September 2020 (co-chair with O. Ergun, G. Fenton, Jarrod Goentzel, J. Swann, L. Van Wassenhove).

- Kigali, Rwanda, July 2019 (co-chair with O. Ergun, Jarrod Goentzel, J. Swann, L. Van Wassenhove).
- Dubai, July 2018 (co-chair with O. Ergun, Jarrod Goentzel, J. Swann, L. Van Wassenhove).
- Copenhagen, Denmark, July 2017 (co-chair with O. Ergun, Jarrod Goentzel, Etlava Kadilli, J. Swann, L. Van Wassenhove). Co-organized and hosted by UNICEF.
- Atlanta, August 2016 (co-chair with O. Ergun, Jarrod Goentzel, J. Swann, L. Van Wassenhove)
- Co-organized with Gordon Institute of Business Science (University of Pretoria), INSEAD, and MIT. South Africa, November 2015 (co-chair with O. Ergun, Jarrod Goentzel, L. Roberts, S. Rozyn, J. Swann, L. Van Wassenhove)
- Co-organized with Tecnologico de Monterrey, INSEAD, and MIT. Mexico, June 2014 (co-chair with O. Ergun, Jarrod Goentzel, M. Martinez, E. Porras, J. Swann, L. Van Wassenhove)
- Co-organized with Malaysia Institute of Supply Chain Innovation and MIT. Kuala Lumpur, Malaysia, June 2013 (co-chair with O. Ergun, Jarrod Goentzel, M. Singh, J. Swann, L. Van Wassenhove)
- Hamburg, Germany, March 21-23, 2012 (co-chair with O. Ergun, G. Fenton, J. Swann, L. Van Wassenhove)
- Atlanta, GA, March 3-4, 2011 (co-chair with O. Ergun and J. Swann)
- Atlanta, GA, March 4-5, 2010 (co-chair with O. Ergun and J. Swann)
- February 19-20, 2009 (co-chair with O. Ergun and J. Swann)

- *Health Systems: The Next Generation*, Atlanta, GA. CHHS annually organizes and hosts a 1-day event focused on improving health systems with leaders from across the fields of healthcare delivery and operations. The event includes panel sessions as well as presentations and posters on new research.
  - 2023: “The Power of Interdisciplinary Collaboration to Enhance Health and Well-being of People and Communities”
  - 2019: “Data-driven quantitative methods for improving efficiency, quality, and outcomes in healthcare delivery systems”
  - 2018: “Moving from Sick-care to Healthcare and the Proactive Innovations Moving Healthcare Forward”
  - 2017: “End-to-end Health Systems: From Treatment to Management to Prevention to Wellness” and “Technology, Data, and Analytics for Efficient and Effective Health Systems”
  - 2016 panel topics: “Industry Trends in Healthcare Delivery," “Educating the Next Generation in Health Systems” and "Alumni Response: What Should GT Do?"
- Manufacturing and Service Operations Management Special Interest Group (SIG) Conference on Supply Chain Management, Washington, DC, June 9, 2008 (co-chair with B. Toktay and M. Ferguson).
- Manufacturing and Service Operations Management Conference, Atlanta, GA, June 19-20, 2006 (co-chair with M. Ferguson).
- 2nd Annual Georgia Tech Industry/Academic Workshop on Revenue Management and Price Optimization, May 18, 2006, Atlanta, GA (co-chair with M. Ferguson and L. Garrow)
- Georgia Tech Industry/Academic Workshop on Revenue Management and Price Optimization, April 21, 2005, Atlanta, GA (co-chair with M. Ferguson and P. Griffin)

Program committee member

- INFORMS Healthcare Conference, July 21-23, 2021.
- Kaleidoscope - ICT for Health: Networks, standards and innovation, Atlanta, GA, December 4-6, 2019.
- Planning Committee for Educating Health Professionals to Address the Social Determinants of Mental Health: A Workshop, *National Academies of Sciences, Engineering, and Medicine*, 2020.
- Planning Committee for A Systems Approach to Alleviating Work-induced Stress and Improving Health, Well-being, and Resilience of Health Professionals Within and Beyond Education: A Workshop, *National Academies of Sciences, Engineering, and Medicine*, April 26-27, 2018.
- International IIE (Institute of Industrial Engineers) Conference, Istanbul, Turkey, June 26-28, 2013.
- Auction Mechanisms for Robot Coordination (held in conjunction with the Twenty-First National Conference on Artificial Intelligence - AAAI 2006), Boston, Massachusetts, July 17, 2006.
- International Conference on Operations and Supply Chain Management, Bali, December 15-17, 2005.
- Third International Workshop on Advanced Issues of E-Commerce and Web-based Information Systems (WECWIS), San Jose, CA, June 21-22, 2001.
- International Symposium on Mathematical Programming, Atlanta, GA, August 7-11, 2000.
- Workshop on Agents for Electronic Commerce and Managing the Internet-Enabled Supply Chain, 3rd International Conference on Autonomous Agents (Agents '99), Seattle, WA, May 1-5, 1999.
- Workshop on Agents in E-Commerce, First Asia-Pacific Conference on Intelligent Agent Technology (IAT'99), Hong Kong, December 14-17, 1999.

Cluster chair

- Health Applications Section, INFORMS, 2013. (37 sessions with 3-4 presentations in each session)
- OR/MS with Societal/Humanitarian Impact (co-chair with O. Ergun and J. Swann), INFORMS, San Diego, CA, October 11-14, 2009.
- Humanitarian Logistics and Disaster Preparedness (co-chair with O. Ergun and J. Swann), INFORMS, Washington, DC, October 12-15, 2008.
- Service Systems, IIE Conference, Orlando, FL, May 20-24, 2006.
- Education (INFORM-ED), INFORMS, San Francisco, November 13-16, 2005.
- Education (INFORM-ED, co-chaired with Erhan Erkut), INFORMS, Denver, October 24-27, 2004.
- Supply Chain Management, INFORMS, Atlanta, GA, October 19-22, 2003.
- Manufacturing & Service Operations Management, INFORMS, Atlanta, GA, October 19-22, 2003.
- Mathematical Programming and Information Systems Track, Mathematical Programming Symposium, Atlanta, GA, August 7-11, 2000.

Session chair

- Panel Discussion (co-chair with Tinglong Dai): AI for Health and Wellbeing, POMS Annual Conference, Atlanta, GA, May 2025.
- INFORMS Annual Conference, Seattle, WA, October 20-23, 2024.
    - Advanced Modeling Techniques in Infectious Disease Management (co-chair with Daniel Kim)

- INFORMS Annual Conference, Seattle, WA, October 20-23, 2019
    - Simulation Models in Healthcare (co-chair with Tyler Perini)
    - Healthcare Operations and Medical Decision-Making (co-chair with Julie Swann)
- INFORMS Healthcare Conference, Boston, MA, July 4-7, 2019
    - Evaluation of Healthcare Interventions (co-chair with Melike Yildirim)
    - Decision-Making & Scheduling in Healthcare (co-chair with Melike Yildirim)
- INFORMS Annual Conference, Phoenix, AZ, November 4-7, 2018
    - Challenges and Strategies in Humanitarian Operations (co-chair with Seyma Guven Kocak)
    - Disease Modeling and Decision-support Tools for Medical Decision Making (co-chair with Ethan Mark)
    - Disaster Preparedness, Response, and Recovery (co-chair with Seyma Guven Kocak)
    - Analytics and Optimization in Health Systems (co-chair with Seyma Guven Kocak and Dave Goldsman)
    - Health and Humanitarian Supply Chain Management (co-chair with Seyma Guven Kocak and Pelin Pekgun)
    - Transportation Problems with Public Impact (co-chair with Amanda Chu)
    - Scheduling and Resource Allocation in Health Systems (co-chair with Seyma Guven Kocak)
- Allocation and Routing Decisions in Health Care, POMS Conference, Orlando, FL, May 6-9, 2016.
- Roundtable: Mobility in Healthcare and Civic Engagement - ICTs and the Future of Development, France-Atlanta Event, Atlanta, GA October 21, 2014.
- Overcoming Urban Poverty: France and the U.S. Talk action, France-Atlanta Event, Atlanta, GA November 6, 2012.
- Hospital Operations (co-chair with H. Smalley), INFORMS, Charlotte, NC, November 13-18, 2011.
- Roundtable: How to Better Coordinate Humanitarian Response?, France-Atlanta Event, Atlanta, GA, October 27, 2011.
- Disease Modeling, INFORMS, San Diego, October 11 – 14, 2009.
- Disaster Response, Odysseus Conference, Cesme, Turkey, May 26-29, 2009.
- Logistics and Inventory - Health Applications (co-chair with Ali Ekici), Industrial Engineering Research Conference, Miami, FL, May 30 – June 3, 2009.
- Humanitarian Supply Chain Issues, POMS Annual Conference, Orlando, FL, May 1-4, 2009.
- Disaster Preparedness and Response, INFORMS, Washington, DC, October 12-15, 2008.
- Panel Discussion: Disaster Preparedness and Response and Inter-Organizational Collaboration, INFORMS, Washington, DC, October 12-15, 2008.
- Pandemic Flu, Childhood Vaccines, and Hospital Operations (co-chair with J. Swann), INFORMS, Seattle, WA, November 4-7, 2007.
- Price and Leadtime Decisions (co-chair with E. Gel), INFORMS, Pittsburgh, PA, November 5-8, 2006.

- (1) Pricing and Incentive Mechanisms (co-chair with O. Baysar and J. Swann), (2) Panel Discussion: Swinging Past Balance (co-chair with Wedad Elmaghraby), INFORMS, San Francisco, November 13-16, 2005.
- (1) Leadtime and Pricing Considerations, (2) Pricing and Auctions, INFORMS, Denver, October 23-27, 2004.
- (1) Pricing under Strategic Behavior or Decisions, (2) Revenue Management and Pricing, CORS/INFORMS Joint International Meeting, Banff, Alberta, Canada, May 16-19, 2004.
- (1) Managing Supply Chains with Multiple Products, (2) Pricing and Revenue Management in Practice, (3) Leadtime and Customer Service Strategies to Improve the Supply Chain, (4) Combinatorial Auctions, INFORMS, Atlanta, GA, October 19-22, 2003.
- Pricing and Auctions, EURO INFORMS Conference, Istanbul, Turkey, July 7-10, 2003.
- Bidding, Pricing, and Due-Date Quotation, POM 2003 – POM in the Service Economy, Savannah, GA, April 4-7, 2003.
- Auctions and Dynamic Pricing, INFORMS, San Jose, CA, November 17-20, 2002.
- (1) Recent Advances in Network Optimization, (2) E-Commerce in Logistics and Supply Chain Management INFORMS, San Antonio, TX, November 5-8, 2000.
- (1) Approximating Integer Packing & Covering Problems, (2) Recent Advances in Discrete Optimization INFORMS, Philadelphia, PA, November 6-9, 1999.

Reviewer for *National Academies of Sciences, Engineering, and Medicine* Consensus Study Reports or Workshop Proceedings

- Ensuring an Effective Public Health Emergency Medical Countermeasures Enterprise, 2021
- Building Resilience into the Nation's Medical Product Supply Chain, 2021
- Aviation After a Year of Pandemic Economic, People, & Technology, 2021
- Flying in the Covid-19 Era - Science-Based Risk Assessments and Mitigation Strategies on the Ground and in the Air, 2021

Referee for technical journals

- *European Journal of Operational Research* (EJOR)
- *IEEE Transactions on Systems, Man and Cybernetics*
- *IIE Transactions*
- *Interfaces*
- *International Journal of Production Research*
- *Journal of Algorithms*
- *Journal of Combinatorial Optimization* (JOCO)
- *Journal of Industrial Ecology*
- *Journal of the Operational Research Society* (JORS)
- *Journal of Scheduling*
- *Management Science*
- *Manufacturing and Service Operations Management* (M&SOM)
- *Marketing Science*
- *Omega*
- *Operations Research*
- *Operations Research Letters*

- *Production and Operations Management* (POM)
- *Transportation Research E: Logistics and Transportation Review (TRE)*

Review committee member for funding organizations
- Spanish Society of Statistics and Operations Research – BBVA Foundation Awards (2025)
- National Science Foundation (2000, 2001, 2002, 2004, 2005, 2007, 2011, 2015, 2016, 2020, 2021, 2022)
- Radcliffe Institute (2006)
- METRANS Transportation Center (2005)
- National Sciences and Engineering Research Council of Canada (2004)
- National Textile Center (2003)
- National Research Council (2000)

Reviewer for publishers
- Reviewer for a book proposal submitted to Addison-Wesley Professional Pearson Education (2001)

Memberships
- Member, INFORMS, 1996-present.
- Member, IISE, 2002-present.
- Member, ASEE, 2019-present.
- Member, AAAS, 2022-present.
- Member, Society of Women Engineers, 1999-2000.

B. CAMPUS CONTRIBUTIONS

School of Industrial and Systems Engineering (ISyE)
- Co-Chair, ISyE Strategic Planning Committee, 2023-2024.
- Member, ISyE Mentoring Committee, 2023-2024.
- Member, ISyE Advisory Committee, 2017-2018, 2022-2023.
- Member, ISyE Chair Faculty Search Advisory Committee, 2017-2019, 2021-2022.
- Member, ISyE Reappointment, Promotion, and Tenure Committee, 2019.
- Member, ISyE School Chair Search Committee, 2013-2014.
- Chair, ISyE Reappointment, Promotion, and Tenure Committee, 2013-2014.
- Member, ISyE Reappointment, Promotion, and Tenure Committee, 2012-2013.
- Member, ISyE Strategic Planning Committee, 2012-2013.
- Member, ISyE George Chair Search Committee, 2012.
- Coordinator, ISyE "health systems" seminar series, 2011-2012.
- Member, ISyE Chair Search Committee, Fall 2010-Spring 2011.
- Member, ISyE Edenfield Chair Search Committee, 2009-2011.
- Coordinator, ISyE "industrial engineering" seminar series, 2009-2010.
- Chair (2009) and Member, ISyE Advisory Committee, 2007-2009.
- Member, ISyE Periodic Peer Review Committee, 2006-2007.
- Member, ISyE Faculty Mentoring Process Committee, 2007.
- Chair (2005) and member, ISyE Faculty Search Committee, 2005-2008.
- Chair (2005) and member, ISyE Awards Committee, 2005-2007.
- Member, ISyE Chair Search Committee, Fall 2004-Spring 2005.
- Member, ISyE Ph.D. Comprehensive Exam Committee in Economic Decision Analysis, Fall 2003, Spring 2003, Fall 2004, Fall 2007, Spring 2008, Fall 2010, Fall 2011, Spring 2012.

- Member, ISyE Ph.D. Comprehensive Exam Committee in Manufacturing and Logistics, Fall 2001, Spring 2002.
- Member, ISyE Ph.D. Comprehensive Exam Committee in Optimization, 2000.
- Member, TLI-AP E-Commerce group, 1999-2002.

College of Engineering (CoE)
- Member, CoE Associate-to-Full Reappointment, Promotion, Tenure (RPT) Committee, 2024.
- Member, ADVANCE-CoE Faculty Retreat Organizing Committee, 2023-2024.
- Chair, School of Mechanical Engineering Ring Family Chair Search Advisory Committee, 2022.
- Member, CoE Major Awards Committee, 2019-2021.
- Member (ex-officio), CoE Diversity and Inclusion Council, 2018-2020.
- Member, CoE Dean Search Advisory Committee, 2017.
- Member, CoE Strategic Planning Steering Committee, 2012.
- Member, CoE Strategic Planning Retreat, Fall 2011.
- At-large member of the CoE RPT Committee, 2005-2007.

Georgia Tech
- Member, Georgia Tech Athletic Association Board of Trustees, 2023-present.
- Co-Chair, Strategic Planning Committee for the Health and Wellbeing of People and Communities Research Initiative, 2023-present.
- Faculty Executive Board, 2021-2024.
- Member, Women from Tech Advisory Team, 2022-2024.
- Research Continuity Task Force (ResCon)/Internal Research Advisory Board (IRAB), 2020-2024.
- Chair, Institute for People and Technology (IPAT) Executive Director Search Committee, 2022-2023.
- COVID-19 Task Force, 2020-2022.
- Faculty Services Committee, 2020-2021.
- Member, Northside Hospital & Georgia Tech Joint Research Collaboration Steering Committee, 2018-2021.
- Judge, Emory Global Health Institute & Georgia Tech COVID-19 Hackathon, 2021.
- Member, Georgia Tech Strategic Planning Steering Committee, 2020.
- Co-Director, Diversity and Inclusion Fellows Program, 2019-2020.
- Member, Center for Quality Growth and Regional Development (CQGRD) Strategic Planning Committee, 2019.
- Chair, College of Sciences Dean Search Advisory Committee, 2018-2019.
- Member, Path Forward Advisory Group, 2018-2019.
- Member, President's Mental Health Task Force, 2017.
- Fellow, Council of Global Affairs, 2014-2016.
- Member, Advisory Group, Provost Emerging Leadership Program, 2016.
- Member, President's Task Force on Sexual Violence, 2014.
- Women, Science, and Technology (WST) Learning Community mentor, 2014-2016.
- Member, Georgia Tech Strategic Planning "Service Learning and Legacy Project" Team, Fall 2011-Spring 2012.
- Member, Children's – Georgia Tech Steering Committee, 2010-2012.

Ph.D. thesis committee member (ISyE): Gurdal Ertek (2001), Ki-Seok Choi (2003), Eda Kemahlioglu (2004), Kendra Taylor (2005), I-Hsuan Ethan Hong (2005), Yahel Giat (2005), Se-Kyoung Oh (2005), Brian Lewis (2005), Yufeng Yao (2007), Melda Ormeci (2006), Michael Pennock (2008), Yi He (2008), Orsan Ozener (2008), Clarence Wardell (2009), Daniel Faissol (2009), Faramroze Engineer (2009), Jessica Heier (2010), Halil Ozan Gozbasi (2010), Naragain Phumchusri (2010), Fei Qian (2010), Carlo

Davila Payan (2013), Agni Ásgeirsson (2014), Isil Alev (2015), Qiushi Chen (2016), Can Zhang (2018), Caglar Caglayan (2019), Jan Vlachy (2020), Pravara Harati (2021), Pornpawee Bumpensanti (April 2021), Connor Riley (2022), Yingying (Jade) Xiao (2023), Jeffrey Smith (2024), Meghan Meredith (2025).

External Ph.D. thesis committee member for Ben Coleman (The College of William & Mary, 2004); Sanjiv Erat (College of Management, Georgia Tech, 2006); Fang (Vivian) Zhong (College of Management, Georgia Institute of Technology, 2007); Ozgun Baris Bekki (Arizona State University, 2008); Gulru Ozkan (College of Management, Georgia Tech, 2008), Peng Huang (College of Management, Georgia Tech, 2010), Ahmet Baykal Hafizoglu (Arizona State University, 2012), Sadaf Kazi (School of Psychology, Georgia Tech), Yun Wei (Electrical and Computer Engineering, Georgia Tech, 2017), Khatereh Hadi (College of Design, Georgia Tech, 2019), Manon Grest (IMT Mines Albi, France, 2022); Ozgun Elci (Tepper School of Business, Carnegie Mellon University, 2022), Jiaming Cui (College of Computing, Georgia Tech, 2024).

VI. GRANTS AND CONTRACTS

A. AS PRINCIPAL OR CO-PRINCIPAL INVESTIGATOR (Total over $9 million)

1. Carter Center ($169,304.00), "Simulation Modeling for Coordinated Deployment of Interventions towards Guinea Worm Disease Eradication," July 2025-May 2026. (PI: P. Keskinocak)
2. Emory Healthcare ($153,875.00), "STAGE: Optimizing Surgical Supply Management at Emory University Hospital," February 2025-February 2026. (PI: D. Nazzal, Co-PI: P. Keskinocak)
3. Carter Center ($128,583), "Modeling the Spread of Guinea Worm Disease and Evaluating the Impact of Interventions," July 2024-May 2025. (PI: P. Keskinocak)
4. NSF Grant (Award No. 2246678, $178,288), "RAPID: Modeling of COVID-19 transmission in cruise ships and evaluating the impact of mitigation measures," 11/15/2022- 10/31/2025 (PI: P. Keskinocak)
5. Centers for Disease Control and Prevention (CDC-RFA-GH22-2272, Award No. NU2RGH001919, $875,000), "Informing Global Polio Eradication Efforts Through Innovative Modeling Approaches," October 2022-2026. (PI: P. Keskinocak, Co-PIs: Lauren Steimle, Walter Orenstein)
6. Georgia Department of Public Health ($174,895), "COVID-19 and Health Equity Modeling and Dashboard," March 1, 2023-February 28, 2024. (PI: P. Keskinocak)
7. Carter Center ($147,380), "Modeling the Spread of Guinea Worm Disease and Evaluating the Impact of Interventions," July 2022-July 2024. (PI: P. Keskinocak)
8. NSF Grant (Award No. 2200269, $1,000,000), "PIPP Phase I: BEHIVE - BEHavioral Interaction and Viral Evolution for Pandemic Prevention and Prediction," 08/01/2022-07/31/2024. (PI: A. Prakash, Co-PIs: P. Keskinocak, J. Weitz, R. Raskar, S. Kitayama)
9. Merck (GR00008349, $91,836+$69,274+$200,274), "Vaccine Scheduling Optimization Tool in Excel." (November 2020-December 2023) (PI: J. Sokol, co-PI: P. Keskinocak)
10. Georgia Department of Public Health ($79,181), "Covid-19 Modeling and Dashboard," March 2021-February 2022. (PI: P. Keskinocak)
11. Bill & Melinda Gates Foundation, Subaward through Emory University ($104,366+$75,730), "To Inform our Understanding of Drivers and Determinants of Vaccine Coverage and Equity," October 2018-August 2021. (PI: M. Freeman, Georgia Tech PI: Keskinocak, co-PI: D. Nazzal)
12. Children's Healthcare of Atlanta (GR00001167, $33,233), GRA support for Ph.D. student Akane Fujimoto, August 2019-August 2021. (PI: P. Keskinocak)

13. "Integrated Systems Model to Inform State and Local Planning for the COVID-19 Pandemic," Council of State and Territorial Epidemiologists (CSTE), Prime: Centers for Disease Control & Prevention, $467,217+$200,000 (Georgia Tech budget $109,188+$35,000), October 2020-December 2022. (PI: J. Swann, co-PIs: J. Ivy, M. Mayorga, K. H. Lich, UNC-Chapel Hill; co-PI: P. Keskinocak, Georgia Tech).
14. Gift from UPS Foundation, Support for the Health and Humanitarian Logistics Conference ($35,000 in 2020; $35,000 in 2021; $35,000 in 2022) (PI: P. Keskinocak).
15. Gift from UPS Foundation for CHHS program support ($20,000 in 2020; $20,000 in 2021). (PI: P. Keskinocak)
16. Gift from UPS Foundation, "Scholarships for the certificate program in Health and Humanitarian Supply Chain Management." ($60,000 in 2019; $60,000 in 2020; $60,000 in 2021; $60,000 in 2022) (PI: P. Keskinocak).
17. Pediatric Technology Center (DE00016826, $10,000), "Dynamic Modeling of COVID19: Evaluating the Impact of Interventions and Allocation of Scarce Resources." June 2020. (PIs: P. Keskinocak and N. Serban)
18. Children's Healthcare of Atlanta (GR00001164, $20,552), GRA support for Ph.D. student Kirthana Hampapur, August 2019-May 2020. (PI: P. Keskinocak)
19. Support for the 2019 Health and Humanitarian Logistics Conference ($105,000) (PI: P. Keskinocak, non-GT collaborators: O. Ergun, J. Goentzel, J. Swann, L. Van Wasseenhove).
    - UPS Foundation, $35,000; Logenix, $30,000; Chemonics, $10,000; Pfizer, $15,000; Imperial Logistics, $10,000; Clesian Consulting, $2,000; Astral Aviation, $2,000; Freight In Time, $1,000
20. Coding Strategies (#2406TM9, $10,912 in 2019), GRA support for MSHS students in ISyE, January-May 2019. (PI: Keskinocak)
21. Children's Healthcare of Atlanta (#2406TM6, $20,415 in 2019), GRA support for Ph.D. students in ISyE, January-May 2019. (PI: Keskinocak)
22. Carlos and Marguerite Mason Trust ($1,104,000, includes $330,000 GT cost-share and $123,000 CDC cost-share), "Increasing the Supply of Organs for Georgians in Need of Transplants via Decision-Support Tools and System Optimization," January 2016 - September 2019. (PI: J. Sokol; Georgia Tech Co-PIs: M. Gentili, P. Keskinocak; CDC Co-PIs: S.V. Basavarju, Brian Gurbaxani, M.J. Kuehnert)
23. NSF grant (Award No. 1538860, Georgia Tech budget $188,805), "Collaborative Proposal: Resource Allocation with Learning in Dynamic and Partially Observable Networks," August 2015 – July 2019. (PI: P. Keskinocak, Northeastern University PI: O. Ergun)
24. Laura and John Arnold Foundation ($215,000), Increasing the Supply of Organs for Patients in Need of Transplants, June 2017-September 2019. (PI: Keskinocak, Co-PI: J. Sokol)
25. Children's Healthcare of Atlanta (#240678L, $115,074 total; $32,975 in 2015, $26,390 in 2016, $26,967 in 2017, $28,742 in 2018), GRA support for MSHS students in ISyE, August 2015-August 2019. (PI: Keskinocak)
26. Carter Center ($70,538), "Modeling and Analysis Towards Eradicating Guinea Worm," August 2017-Sepember 2019. (PI: Keskinocak; co-PI Julie Swann)
27. Gift from UPS Foundation, "Scholarships for the certificate program in Health and Humanitarian Logistics." ($30,000 in 2012, $30,000 in 2013, $30,000 in 2014, $30,000 in 2015, $42,000 in 2016, $48,000 in 2017; 60,000 in 2018) (PIs: P. Keskinocak, J. Swann).

28. Shepherd Center (#24067G2 $61,069 total; $36,656 in 2017; $24,413 in 2018), “Pathways Scheduling,” September 2017-August 2018. (PI: Keskinocak)
29. Support for the 2018 Health and Humanitarian Logistics Conference ($70,500) (PI: P. Keskinocak, non-GT collaborators: O. Ergun, J. Goentzel, J. Swann, L. Van Wasseenhove).
    - UPS Foundation, $35,000.00; Chemonics, $10,000.00; Pfizer, $15,000.00; Missionpharma, $8,000; PWC, $2,500.00
30. Support for the 2017 Health and Humanitarian Logistics Conference ($80,000) (PIs: P. Keskinocak, J. Swann, non-GT collaborators: O. Ergun, J. Goentzel, L. Van Wasseenhove).
    - UPS Foundation, $30,000; IMPERIAL Health Sciences, $20,000; William Davidson Institute at the University of Michigan, $10,000; Johnson & Johnson, $10,000; PfSCM, $10,000
31. Children’s Healthcare of Atlanta (#24068AQ, $120,122 total; $20,135 in 2014, $33,326 in 2015, $37,661 in 2016, $28,999 in 2017), GRA support for MSHS and Ph.D. students in ISyE, August 2013-May 2018. (PI: Keskinocak)
32. Emory Clinic (#24068AM, $395,404 total; $61,000 in 2011, $49,336 in 2012, $51,591 in 2013, $42,369 in 2014, $62,687 in 2015, $62,849 in 2016, $65,571 in 2017), GRA support for MSHS and Ph.D. students in ISyE, August 2011-August 2018. (PI: Keskinocak)
33. Support for the 2016 Health and Humanitarian Logistics Conference ($77,000) (PIs: P. Keskinocak, J. Swann, non-GT collaborators: O. Ergun, J. Goentzel, L. Van Wasseenhove).
    - UPS Foundation, $30,000; William Davidson Institute at the University of Michigan, $10,000; IMPERIAL Health Sciences, $20,000; Chemonics, $10,000; Georgia Tech (Stewart School of Industrial & Systems Engineering), $5,000; PfSCM, $2,000
34. “RFTOP 2015-A-0004 Health and Cost Impact Analysis for Prevention Policies,” ($179,839 - GT Portion, approximately $137,000 for ISyE), Award from the Centers for Disease Control and Prevention to Deloitte (who holds IDIQ) with partners from Georgia Tech. 9/1/2015 – 8/31/2016. PI: M. Kim, Co-PIs: P. Griffin, P. Keskinocak, J. Swann (Subcontract from Deloitte)
35. Support for the 2015 Health and Humanitarian Logistics Conference ($77,500) (PIs: O. Ergun, P. Keskinocak, J. Swann).
    - UPS Foundation, $30,000; William Davidson Institute at the University of Michigan, $15,000; Walmart, $10,000; IMPERIAL Health Sciences $10,000; Georgia Tech (Stewart School of Industrial & Systems Engineering), $5,000; Johnson & Johnson $5,000; The Coca-Cola Company $2,500
36. Emory University – Brain Health Initiative ($25,000), “Predictive Analysis using Gait Mat Data,” October 2015-August 2016. (PI: Keskinocak)
37. George Family Foundation Seed Grant ($10,000), “Optimizing Screening for Critical Congenital Heart Disease,” 2015. (PI: T. Ayer, co-PI: P. Keskinocak).
38. George Family Foundation Seed Grant ($5,000), “Considering Women's Preferences in Down Syndrome Screening,” 2014. (PI: T. Ayer, co-PI: P. Keskinocak).
39. Support for the 2014 Health and Humanitarian Logistics Conference ($55,000) (PIs: O. Ergun, P. Keskinocak, J. Swann).
    - UPS Foundation, $25,000; Georgia Tech (Office of the Executive Vice President for Research), $10,000; Ryder, $10,000; Walmart, $10,000
40. Seed Grant from IPAT/Children’s Healthcare of Atlanta, Georgia Institute of Technology ($50,000), “Catch-up Vaccination Scheduler,” August 2013 – August 2014. (PIs: A.S. Isbell and P. Keskinocak)

41. Gift from Andrea Laliberte and matching gifts from other companies ($24,000 in 2009; $25,000 in 2010; $25,000 in 2011; $20,000 in 2012, $20,000 in 2013; $20,000 in 2014=Total $134,000), "Health and Humanitarian Logistics," May 2009 – June 2016. (PIs: O. Ergun, P. Keskinocak, J. Swann)
42. Gift from the Zalesky family and matching gifts from other companies ($10,000 in 2010; $70,000 in 2011; $70,000 in 2012; $65,000 in 2013= Total $215,000), "Health and Humanitarian Logistics," January 2010 – January 2015. (PIs: O. Ergun, P. Keskinocak, J. Swann)
43. Support for the 2013 Health and Humanitarian Logistics Conference ($40,000) (PIs: O. Ergun, P. Keskinocak, J. Swann).
    - UPS Foundation, $25,000; Georgia Tech (Office of the Executive Vice President for Research), $10,000; Northrop Grumman, $5,000
44. Gift from University Healthcare System ($45,036.40), "Improving Hospital Operations," September 2012 – December 2013. (PI: P. Keskinocak)
45. "Graduate Education in Global Development, Health, Design, Engineering & Technology" ($10,000), supported by Georgia Tech Fund for Innovation in Research and Education (GT FIRE), August 2012-May 2013. (PI: J. Colton, co-PIs: J. Budd, T. Blum, E. Zegura, M. Best, V. Thomas, M. Brown, P. Keskinocak, R. Gleason)
46. Gift from RevenueMed ($25,000), "Staff Scheduling," March-December 2012. (PIs: D. Goldsman and P. Keskinocak)
47. Support for the 2012 Health and Humanitarian Logistics Conference ($62,500) (PIs: O. Ergun, P. Keskinocak, J. Swann) September 2011 – August 2012.
    - UPS Foundation $25,000; Northrop Grumman $2500; Georgia Tech (Office of the Executive Vice President for Research), $10,000
48. Gift from Speedwell Foundation. "CHAMP: Caribbean Hazard Assessment, Mitigation, and Preparedness" ($325,000 total, approximately $120,000 for ISyE faculty and students), August 2011-July 2012. (PI: DesRoches, Co-PIs: O. Ergun, S. French, P. Keskinocak, K. Kurtis, G. Rix, J. Swann)
49. Gift from Shaw Industries ($54,000), "Business-to-business Pricing Decisions," November 2011 – November 2012. (PIs: P. Keskinocak, P. Pekgun, J. Swann)
50. Gift from University Healthcare System ($42,621.47), "Improving Hospital Operations," September 2011 – December 2012. (PI: P. Keskinocak)
51. Grant from Emory University Radiology Department ($16,342), "Radiology Processes and Service Improvement," January - June 2011. (PI: Keskinocak)
52. Support for the 2011 Health and Humanitarian Logistics Conference ($62,500) (PIs: O. Ergun, P. Keskinocak, J. Swann) September 2010 – August 2011.
    - UPS Foundation ($25,000), Focus Humanitarian Assistance ($5,000), SAIC ($5,000), Northrop Grumman ($2,500)
    - Georgia Tech: Executive Vice President for Research ($10,000), Health Systems Institute ($5,000), College of Engineering ($5,000), Institute for Leadership and Entrepreneurship ($5,000), Distance Learning and Professional Education (contribution in kind).
53. Grant from Intel Corporation ($90,000), "Gaming in the Supply Chain – Phase III," December 2010 – December 2012. (PI: P. Keskinocak, Co-PI: J. Vande Vate)
54. Grant from Distance Learning and Professional Education, Georgia Institute of Technology ($50,000), "Teaching Material and Course Development in Humanitarian Logistics," September 2010 – September 2011. (PIs: O. Ergun, P. Keskinocak, J. Swann)

55. Grant from the Health Systems Institute, Georgia Institute of Technology ($50,000), "Physician Workflow and Scheduling Improvements can Lead to Increased Efficiency and Improved Quality of Care for Hospitalized Children," August 2010 – August 2011. (PI: A. Vats, Co-PIs: C. Goin, P. Keskinocak, C. Taylor)
56. Gift from University Healthcare System ($35,000), "Improving the Operating Room Performance," June 2010 – June 2012. (PI: P. Keskinocak)
57. NSF grant (Award No. 1034840, $38,800), "RAPID: Earthquake Debris Management in Haiti: Data-Driven Decision-Support," April 2010 – March 2011. (PI: O. Ergun, Co-PIs: R. DesRoches, P. Keskinocak)
58. NSF grant (Award No. 0928233, $334,898.00), "Managing Debris Collection and Disposal Operations," April 2010 – December 2013. (PI: O. Ergun, Co-PI: P. Keskinocak)
59. Grant from Intel Corporation ($90,000), "Gaming in the Supply Chain – Phase II," June 2009 – December 2011. (PIs: P. Keskinocak, J. Vande Vate)
60. Support for the 2010 Health and Humanitarian Logistics Conference ($55,500) (PIs: O. Ergun, P. Keskinocak, J. Swann) December 2009 – August 2010.
    - UPS Foundation ($10,000), Kuehne & Nagel ($5,000), Coca Cola Company ($5,000), Focus Humanitarian Assistance ($5,000)
    - Georgia Tech: Distance Learning and Professional Education Program ($10,000), ISyE ($5,000), Health Systems Institute ($5,000), College of Engineering ($5,000), Supply Chain and Logistics Institute ($2,000), GTRI ($3,000), College of Computing ($500).
61. Grant from Children's Healthcare of Atlanta ($12,991), "Pediatric Intensive Care Unit Physician Workflow Management," September 2009 – August 2010. (PI: P. Keskinocak)
62. Grant from the Health Systems Institute, Georgia Institute of Technology ($50,000), "Optimizing Health Services Delivery during an Influenza Pandemic: A Focus on Children and Adolescents," August 2009 – August 2010. (PI: J. Swann, Co-PIs: P. Keskinocak, A. Shane)
63. Gift from Intel Corporation ($60,000), "Gaming in the Supply Chain – Phase I," January 2009-June 2011 (PI: Keskinocak, Co-PI: J. Vande Vate)
64. Building Humanitarian Logistics at Georgia Institute of Technology, Harold R. and Mary Anne Nash Junior Faculty Endowment Fund (Georgia Institute of Technology, $89,225), June 2007 – Dec 2009 (PIs: O. Ergun, P. Keskinocak, J. Swann)
65. Grant from ALPLA, Inc. ($21,000), "Improving Demand Management with Forecasting and Inventory Management," September 2008 – May 2009 (PIs: P. Keskinocak and J. Swann)
66. Bradley-Turner Servant Leadership Funds ($20,000, Georgia Institute of Technology), "Servant Leadership through Undergraduate Projects in Humanitarian Logistics," October 2008 – September 2010. (PIs: O. Ergun, P. Keskinocak, and J. Swann)
67. Focused Research Program at Georgia Institute of Technology ($30,000), "Focused Research Program in Humanitarian Response," July 2008 – June 2009 (PI: J. Swann, Co-PIs: A. Amekudzi, M. Best, M. Castillo, O. Ergun, P. Keskinocak, L. McCook, and E. Whitaker.)
68. NSF grant (Award No. CMMI-0848420, $30,000), "Conference on Disaster Preparedness and Response," September 2008 – November 2009. (PI: Keskinocak, Co-PIs: O. Ergun and J. Swann)
69. Grant from Intel Corporation ($13,000), January 2008-December 2008 (with J. Vande Vate) (PI: Keskinocak)
70. Grant from the Health Systems Institute, Georgia Institute of Technology ($50,000), "Catch-up Scheduling for Childhood Immunization," August 2008 – June 2009 (PI: Keskinocak, Co-PI: L. Pickering)

71. Grant from the Health Systems Institute, Georgia Institute of Technology ($50,000), "A Simulation Study to Evaluate the Efficacy and Efficiency of Competing Approaches to Reducing Nosocomial Infection Rates," August 2007 – July 2008. (PI: Griffin, Co-PI: P. Keskinocak)
72. NSF grant (Award No. CMMI-0654275, Georgia Tech budget $179,975), "GOALI Collaborative Research: Matching Demand and Supply through Price and Lead Time Decisions" (with E. Gel from Arizona State University), September 2007 – August 2010. (Georgia Tech PI: Keskinocak)
73. NSF grant (Award No. SBE-0624269, Georgia Tech budget $587,213, University of Maryland budget $82,785) "Collaborative Research: DRU Consumer Choice and Organizational Decision Making," January 1, 2007 – December 31, 2009 (PI: Castillo, Co-PIs: M. Castillo, W. Elmaghraby, L. Garrow, and J. Swann).
74. Grant from Manugistics, Inc. ($4,930.00), December 1, 2005 – May 31, 2006 (PI: Keskinocak)
75. Grant from Manugistics, Inc. ($5,083.00), August 1 – December 31, 2005 (PI: Keskinocak)
76. NSF grant (Award No. ROBOTICS-0412912, Georgia Tech budget $154,000, University of Southern California budget $295,000), "Collaborative Research: Coordinating Robot Teams using Market-Based Mechanisms" (with Sven Koenig from University of Southern California), February 2005 – December 2009. (Georgia Tech PI: Keskinocak)
77. NSF grant (Award No. DMI-0400301, Georgia Tech budget $109,717, Stanford University budget $264,792), "GOALI Collaborative Research: Intra- and Inter-Enterprise Collaborative Procurement" (with F. Erhun from Stanford University), September 2004 – August 2009. (Georgia Tech PI: Keskinocak)
78. Georgia Institute of Technology Focused Research Program ($30,000), "Dynamic Pricing and Revenue Management," July 2004 – July 2005. (PI: Ferguson, Co-PIs: P. Griffin, P. Keskinocak)
79. NSF Career Award (Award No. DMI-0093844, $375,000), "CAREER: Decision Technologies for Electronic Exchanges," September 2001 – August 2007. (PI: Keskinocak)
80. NSF grant (Award No. DMI-0113881, $499,998), "Auction mechanisms for solving complex resource allocation problems," September 2001 – August 2004. (PI: Keskinocak, Co-PIs: W. Elmaghraby, P. Griffin, A. Kleywegt, S. Koenig)
81. General Motors research grant, "Incorporating Revenue management Techniques into GM's Capacity Planning, Inventory Control, and Pricing Strategies – Phase II"($250,000), April, 2003 – June, 2005. (PI: Bazaraa, Co-PIs: P. Keskinocak, A. Kleywegt, G. Nemhauser, and J. Swann)
82. General Motors research grant, "Incorporating Revenue Management Techniques into GM's Planning, Inventory Control and Pricing Strategies – Phase I" ($126,187), February 2002 – August 2002. (PI: Bazaraa, Co-PIs: P. Keskinocak, A. Kleywegt, G. Nemhauser, and J. Swann)
83. The Logistics Institute Asia-Pacific (TLI-AP) research grant ($54,124), January 2002 – December 2002. (PI: Bartholdi, Co-PIs: W. Elmaghraby, P. Keskinocak)
84. NSF Grant (Award No. DMI-0075450, $99,947), "Scalable Decision Support Technology for Enterprise Intermediaries," August 2000 – December 2001. (PI: Griffin, Co-PIs: P. Keskinocak, D. Ratliff)
85. NSF Grant (Award No. DMI-0080427, $10,000) for organizing the workshop "Delivering E-Commerce: Logistics and the Online Revolution," May 2000 – May 2001. (PI: Keskinocak)
86. The Logistics Institute Asia-Pacific (TLI-AP) research grant ($153,740), July 1999 – December 2001. (PI: Bartholdi, Co-PIs: W. Elmaghraby, P. Keskinocak)

B. **AS INVESTIGATOR or SENIOR PERSONNEL**

87. NSF Grant (Award No. 2100995, $255,957; Georgia Tech subcontract budget $20,000), "STTR Phase I: Development of a lighted infusion line to optimize care and decrease complications of critically ill patients in infectious isolation (COVID-19)." (PI: Hanz Utz)
88. NSF Grant (Award No. DMI-0427446, $1,013,272), "ITR-(ECS)-(dmc): Collaborative Research: Collaborative Logistics" (with J. Bartholdi, O. Ergun, A. Kleywegt, G. Nemhauser, M. Savelsbergh, N. Meggido, A. Schulz, C.P. Teo), September 2004 – August 2007. (PI: Martin Savelsbergh)
89. Emory University – CORPH, Children's Healthcare of Atlanta and Georgia Tech ($50,000), "Optimization of the algorithms for screening for critical congenital heart disease," 2014 – 2015 (PI: T. Ayer, Co-PI: M. Oster (from Children's Healthcare of Atlanta and CDC), Collaborators: P. Keskinocak, Regina Simone).

C. Submitted (under review)

90. "Climate-driven events and insulin: mapping the supply network and modeling solutions to prevent disruptions," submitted to AHRQ. (Emory PI: R.M. Carrillo Larco, GT PI: P. Keskinocak, co-PIs: Dima Nazzal, Hannah Smalley, S. Hassan). Sbmitted in January 2025

VII. HONORS, AWARDS, and RECOGNITION

Professional recognition

- INFORMS President's Award, 2024.
- George E. Kimball Medal, INFORMS, 2024.
- Harold Larnder Prize, Canadian Operational Research Society, 2024.
- Member, Science Academy (Bilim Akademisi) of Turkey, 2023.
- Class of 1934 Outstanding Service Award, Georgia Tech, 2022.
- Women in Operations Research and Management Science Award, INFORMS, 2021.
- Outstanding Achievement in Research Program Development, Georgia Tech, 2021.
- VICE Motherboard Humans, 2020.
- Outstanding Professional Education Award, Georgia Tech, April 2018.
- Denning Award for Global Engagement, Georgia Tech, April 2016.
- Faces of Inclusive Excellence, Georgia Tech, 2016.
- Fellow, INFORMS, 2015.
- Moving Spirit Award for outstanding volunteers, who have been "moving spirits" in their chapters or subdivisions, INFORMS 2005.
- General Motors Most Valuable Colleague Award in Recognition of Important Contributions to the Application of Revenue Management and Capacity Planning Decision Support, 2004.
- 2002 Meritorious Service Award, *Operations Research*, October 2003.
- NSF Career Award for "Decision Technologies for Electronic Exchanges," January 2001.
- Frank Batten Young Scholar in Operations and Information Technology, July 2002.
- Doctoral fellowship, William Larimer Mellon Foundation.
- Undergraduate and graduate fellowships, Bilkent University.

Research and Student Awards

Additional research and student awards (and details) are included in Sections III and IV

- "A Simulation-Optimization Framework to Improve the Organ Transplantation Offering System"
  - *Winter Simulation Conference*, Best applied student paper, 2022.
- "Early Detection of COVID-19 Hotspots Using Spatio-Temporal Data"
  - Best paper honorable mention, 38th International Conference on Machine Learning (ICML), 2021.
- "Homebound by COVID19: The Benefits and Consequences of Non-Pharmaceutical Intervention Strategies"
  - 3rd place, INFORMS Poster Competition, 2020.
- "Empowering Denver Public Schools System to Optimize School Bus Operations"
  - Finalist, INFORMS Daniel H. Wagner Prize for Excellence in Operations Research Practice, 2019.
  - Finalist, IISE/SEE Outstanding Innovation in Service Systems Engineering Award, 2021.
- "Age-Specific Risk-Cutoff Values in Prenatal-Integrated Screening for Down Syndrome Considering Fairness"
  - Winner, Society for Health Systems (SHS) Graduate Student Paper Competition, 2017
- "Reducing Discarded Organs and Improving Physician-Patient Decision-Making via Decision-Support Tools and Systems Optimization"
  - First Place, INFORMS Poster Competition, 2017.
- "Contact Tracing Protocol"
  - Finalist, INFORMS Undergraduate Operations Research Prize, 2017.
- "Fairness in Down Syndrome Screening"
  - Finalist, INFORMS Poster Competition, 2016.
- "Identification and Allocation of Increased-Risk Encephalitis Organs"
  - Second place, INFORMS Poster Competition, 2016.
- "The Post-Disaster Debris Clearance Problem under Incomplete Information"
  - INFORMS Editor's Cut collection, Vol. 4 (2016), "Confronting Public Problems with Operations Research." http://pubsonline.informs.org/editorscut/publicsector
  - Second place, Production and Operations Management Society (POMS) College of Humanitarian Operations & Crisis Management Best Paper Award, April 2013.
- "Universal Tool for Vaccine Scheduling – Applications for Children and Adults"
  - Finalist, INFORMS Daniel H. Wagner Prize for Excellence in Operations Research Practice, 2010.
- "A Lean Focused Rounding Process in a Pediatric Intensive Care Unit Increases Efficiency, Optimizes Resources, and Improves Satisfaction"
  - Annual Scientific Award, *Society of Critical Care Medicine Congress* (39th), 2010.
- "Modeling Influenza Pandemic and Planning Food Distribution"

- Best Research Poster Award, Mayo Clinic Conference on Systems Engineering & Operations Research in Health Care, September 2008.
- Third Place, INFORMS Health Applications Section William Pierskalla Best Paper Award, October 2008.
- First place, Society of Health Systems Student Paper Competition, March 2009.
- Finalist, MSOM Student Paper Competition, 2009.

- "Catch-up Scheduling for Childhood Immunization"
  - First place, EURO Excellence in Practice Award, July 2010.
  - IISE Society of Health Systems Best Graduate Research Paper Award, January 2008.
  - Second place, INFORMS Health Applications Section William Pierskalla Best Paper Award, October 2008.
  - Honorable mention, INFORMS Doing Good with Good OR Student Paper Competition, October 2009.
- "Coordination of Marketing and Production for Price and Leadtime Decisions"
  - IISE Transactions Best Paper Award - Scheduling & Logistics, May 2009.
- "Bid Prices when Demand is a Mix of Individual and Batch Bookings"
  - International Air Cargo Association Graduate Research Paper Competition Award, 2007.
- "The Effects of Customer Rebates and Retailer Incentives on Manufacturer's Profits and Sales"
  - Finalist, INFORMS Manufacturing and Service Operations Management (MSOM) Student Paper Competition, 2006.
- "Estimating Air Cargo Overbooking using a Discrete Show-up Rate Distribution"
  - Runner-up for the AGIFORS - The Airline Group of the International Federation of Operational Research Societies - 2004 Anna Valicek Award.
- "Optimizing On-Demand Aircraft Schedules for Fractional Aircraft Operators"
  - Finalist, INFORMS Daniel H. Wagner Prize for Excellence in Operations Research Practice, 2002.
- "Cooperative Multi-objective Decision Support for the Paper Industry"
  - First place, INFORMS Daniel H. Wagner Prize for Excellence in Operations Research Practice, 1998.

Teaching awards

- Women in Engineering Excellence Teaching Faculty Award (Georgia Institute of Technology), March 2005.
- CETL (Center for the Enhancement of Teaching and Learning)/BP Junior Faculty Teaching Excellence Award (Georgia Institute of Technology), February 2005.
- Finalist for the Best Teaching Case Award (INFORMS), "Designing a Malaria Intervention Supply Chain," November 2011.
- Third place for the Best Teaching Case Award (INFORMS), "Humanitarian Response Planning at the Home Depot," October 2010.
- First runner-up for the Best Teaching Case Award (INFORMS), "Lessons in Disaster Supply Chain Management from Waffle House Restaurants," October 2009.

- Finalist for the Best Teaching Case Award (INFORMS), "Technology for Transportation Bidding at the Home Depot," November 2002.
- Best Teaching Case Award (INFORMS), "Managing Operations in the Time-shared Jet Business," November 2000.
- Thank a Teacher Certificate, Georgia Tech. September 2012, December 2013, February 2014, May 2014, December 2019, June 2020.

Professional and leadership development

- Faculty Executive Leadership Academy (FELA), Georgia Tech, 2022-2023.
- Provost's Emerging Leaders Program, Georgia Tech, 2017.
- Leadership Roundtable Retreat, Georgia Tech, 2008.

MEDIA/PRESS

- Two hurricanes batter essential makers of IV fluids; Georgia hospitals stretch supplies, Michael Scaturro, Atlanta Journal Constitution (October 11, 2024).
- How engineering can contribute to a reimagining of the US public health system, Beth Daley, The Conversation (January 21, 2021) https://theconversation.com/how-engineering-can-contribute-to-a-reimagining-of-the-us-public-health-system-152063
- The Engineer Using Science to Build a Better World After Coronavirus, Samir Ferdowsi (December 22, 2020) https://www.vice.com/en/article/wx8gwx/the-engineer-using-science-to-build-a-better-world-after-coronavirus
- Rebuild Supply Chains for Quicker Hurricane Recovery, Ben Brumfield (September 21, 2020) https://www.isye.gatech.edu/news/rebuild-supply-chains-quicker-hurricane-recovery
- Podcast - Resoundingly Human: Looking ahead with the 2020 INFORMS President (January 2020) https://pubsonline.informs.org/do/10.1287/orms.2020.01.14p/full/
- Coronavirus / COVID-19
  - A Look At The 'Supply Chain' For Consumers And How Coronavirus Could Test It, J. Burress, M.W. Tillman (March 6, 2020) https://www.wabe.org/what-is-supply-chain/
  - The Daily Star (March 18, 2020) https://www.thedailystar.com/news/local_news/experts-offer-advice-on-avoiding-coronavirus/article_44a9e51c-a220-5737-840d-37a5ac4a0ff4.html
  - Experts offer advice on avoiding coronavirus (March 19, 2020) https://insurancenewsnet.com/oarticle/experts-offer-advice-on-avoiding-coronavirus#.XokVB3dFzRM
  - How to Triage Patients Who Need Intensive Care, Jim Daley (March 20, 2020). https://www.scientificamerican.com/article/how-to-triage-patients-who-need-intensive-care/
  - Many Areas of the U.S. Face Hospital Bed Shortages, Emma Coleman (March 20, 2020) https://www.routefifty.com/health-human-services/2020/03/bed-shortage-coronavirus/163971/
  - What is the United States' single greatest weakness in its pandemic preparedness? (March 24, 2020) https://www.healio.com/primary-care/practice-management/news/online/%7B69052c90-b291-4ed6-b79f-49fe0446001a%7D/what-is-the-united-states-single-greatest-weakness-in-its-pandemic-preparedness

- When will 'social distancing' end? Nicoletta Lanese, Live Science (March 24, 2020) https://www.livescience.com/social-distancing-coronavirus-end.html
- Live TV interview https://tdameritradenetwork.com/video/rB4AoXD6FmuBcRIjW0AIzw (March 25, 2020)
- Create Dedicated Pandemic Clinics Now to Address COVID-19, Ben Brumfield, Georgia Tech Research Horizons (March 25, 2020) https://rh.gatech.edu/news/633812/create-dedicated-pandemic-clinics-now-address-covid-19
- As government urges social distancing, BMW moves up closure date to March 29, Anna B. Mitchell (March 25, 2020) https://www.greenvilleonline.com/story/news/local/2020/03/25/coronavirus-outbreak-heres-why-large-sc-plants-stay-open-virus-covid-19/2898922001/ https://www.msn.com/en-us/lifestyle/lifestyle-buzz/as-government-urges-social-distancing-bmw-moves-up-closure-date-to-march-29/ar-BB11GGRr
- Is America Ready for a Second Wave of Coronavirus?, Anna Coleman (March 26, 2020) https://www.routefifty.com/health-human-services/2020/03/america-ready-second-wave-coronavirus/164143/
- The US is well on the way to having a coronavirus outbreak worse than China's or even Italy's (March 26, 2020), Tom Porter https://www.businessinsider.com/figures-show-us-soon-coronavirus-worse-china-2020-3
- What 6 Experts Told Us It Would Take To Tame Coronavirus, Patrick Terpstra (March 27, 2020) https://www.newsy.com/stories/6-pandemic-experts-offer-up-covid-19-battle-plans/
- How Fast Can The U.S. Go Back To Work? Steve Banker (March 28, 2020) https://www.forbes.com/sites/stevebanker/2020/03/28/how-fast-can-the-us-go-back-to-work/#531921bf2cf9
- Fast Coronavirus Test Gets Emergency FDA Approval, Jack M. Germain (March 31, 2020) https://www.technewsworld.com/story/86597.html
- Hospitals, state scramble to prepare for coronavirus surge, Yamil Berardand and Carrie Teegardin (April 1, 2020) https://www.ajc.com/news/state--regional/hospitals-state-scramble-prepare-for-coronavirus-surge/lIqx57Es74XOAQjyuzTQgJ/
- April Cruel, Renuka Rayasam, (April 1, 2020) https://www.politico.com/newsletters/politico-nightly-coronavirus-special-edition/2020/04/01/april-cruel-488775
- Underlying Health Disparities Could Mean Coronavirus Hits Some Communities Harder, Liz Essley Whyte and Chris Zubak-Skees (April 1, 2020) https://www.npr.org/sections/health-shots/2020/04/01/824874977/underlying-health-disparities-could-mean-coronavirus-hits-some-communities-harde and https://publicintegrity.org/health/coronavirus-and-inequality/pre-existing-inequality-could-make-coronavirus-hit-some-harder/
- Metro Detroit hospitals overwhelmed with crush of coronavirus patients, lack of supplies, Steve Neavlin (April 1, 2020) https://www.metrotimes.com/detroit/metro-detroit-hospitals-become-overwhelmed-with-crush-of-coronavirus-patients-lack-of-supplies/Content?oid=24232667
- One month after warnings, Kemp puts Georgia on lockdown, Alan Judd, David Wickert, Greg Bluestein (April 2, 2020), https://www.ajc.com/news/one-month-after-warnings-kemp-puts-georgia-lockdown/db6Aodv3LzftEV89WA1EOI/

- Dow Recoils as Labor Apocalypse Eclipses Europe's Coronavirus Recovery, Ben Brown (April 2, 2020) https://www.ccn.com/dow-futures-soar-as-europe-awakes-to-coronavirus-recovery/
- Europeans See Glimmer of Hope in Italy's Virus Stabilization, Suzy Ring (April 2, 2020) https://www.bloomberg.com/news/articles/2020-04-02/europeans-see-glimmer-of-hope-in-italy-s-virus-stabilization
- FDA has urgently approved Abbott's Fast coronavirus testing Platform, Henry Jackson (April 2020) https://www.techsaa.com/fda-has-urgently-approved-abbotts-fast-coronavirus-testing-platform/
- Under fire, Georgia governor seeks to explain his delay in implementing shelter in place, Veronica Stracqualursi (April 4, 2020) https://www.cnn.com/2020/04/04/politics/georgia-kemp-coronavirus-asymptomatic-spread/index.html
- Modeling the Effect of Covid-19 on Supply Chains, Nancy Giges (April 6, 2020) https://www.asme.org/topics-resources/content/modeling-the-affect-of-covid-19-on-supply-chains
- Maryland sees spike of 1,100 new coronavirus cases, but most hospitals aren't yet at capacity, Nathan Ruiz and Mededith Cohn (Apil 8, 2020) https://www.baltimoresun.com/coronavirus/bs-md-coronavirus-update-wednesday-20200408-eexgmqygnfetdcp3xymhjpxab4-story.html
- We can't shelter in place forever: How the coronavirus lockdown might end, Deborah Netburn (April10, 2020) https://www.latimes.com/science/story/2020-04-10/how-the-coronavirus-lockdown-might-end
- When can social distancing end? 'Back to normal' could be a ways off, Catherine Marfun, (April 12, 2020) https://www.dallasnews.com/news/public-health/2020/04/12/when-can-social-distancing-end-back-to-normal-could-be-a-ways-off/
- Digital Tool Helps Hospital Make Important Coronavirus Retest Decisions, Ben Brumfield (April 13, 2020)
  https://news.gatech.edu/2020/04/13/digital-tool-helps-hospital-make-important-coronavirus-retest-decisions?utm_campaign=daily-digest&utm_medium=email&utm_source=dd-article:13616|2020-04-14
  https://medicalxpress.com/news/2020-04-digital-tool-hospital-important-coronavirus.html
- Kemp, Southern governors talk coronavirus reopening strategies, J. Scott Trubey, Greg Bluestein, J.D. Capelouto (April 19, 2020) https://www.ajc.com/news/local-govt--politics/kemp-southern-governors-talk-coronavirus-reopening-strategies/GVFBlLBkIDK7YdPU40JFcI/
- What Happens If U.S. Reopens Too Fast? Documents Show Federal Coronavirus Projections, Liz Essley Whyte (April 21, 2020) https://publicintegrity.org/health/coronavirus-and-inequality/federal-documents-more-than-300000-likely-to-die-if-restrictions-are-lifted/
  https://www.npr.org/sections/health-shots/2020/04/21/839456638/what-happens-if-u-s-reopens-too-fast-federal-documents-show-coronavirus-projecti
- Georgia Tech creates COVID-19 tool (April 21, 2020) https://www.fox5atlanta.com/video/676292
  https://www.fox5atlanta.com/news/georgia-tech-researchers-create-covid-19-tool-to-help-doctors-spot-false-negative-patients
- Georgia businesses resist governor's call to reopen, Lauren Fedor (April 23, 2020) https://www.ft.com/content/95e6640f-1ae2-461d-bd5e-c4645cbbdfd8
- Georgia Tech model predicts jump in COVID cases, deaths, Andy Miller (May 8, 2020) https://www.georgiahealthnews.com/2020/05/georgia-tech-model-predicts-spike-covid-cases-deaths/

        - What Can You Do to Bring the Numbers Down? https://www.wuga.org/post/what-can-you-do-bring-numbers-down#stream/0
    - Out-of-State Visitors Rushed to Reopened Georgia, Emma Coleman (May 11, 2020) https://www.routefifty.com/health-human-services/2020/05/georgia-visitors-covid/165300/
    - Georgia Tech model predicts alarming Coronavirus numbers, Beth Galvin (May 11, 2020) https://www.fox5atlanta.com/video/683110
    - As Georgia Reopens, Its Intensive-Care Beds Are Largely Full, Liz Essley Whyte (May 12, 2020) https://publicintegrity.org/health/coronavirus-and-inequality/as-georgia-reopens-its-intensive-care-beds-are-largely-full/ https://www.npr.org/sections/health-shots/2020/05/12/854671686/as-georgia-lifts-restrictions-its-hospitals-are-not-ready-for-a-covid-19-surge
    - Are Nonprofits Ready to Reopen? What Do We Need? Martin Levine (May 14, 2020) https://nonprofitquarterly.org/are-nonprofits-ready-to-reopen-what-do-we-need/
    - COVID-19 pandemic modeling is fraught with uncertainties, Physics Today, David Kramer (June 2020) https://physicstoday.scitation.org/doi/full/10.1063/PT.3.4493
    - Against the unknown, Georgia hospitals gird for the next virus wave, AJC, Willoughby Mariano (June 12, 2020) https://www.ajc.com/news/state--regional/against-the-unknown-georgia-hospitals-gird-for-the-next-virus-wave/oDwnO7eDVzNd1fQ8MY7oJM/*
    - Protests Amid the Pandemic, Radio Health Journal (June 18, 2020) https://radiohealthjournal.org/2020/06/21/protests-amid-the-pandemic/
    - Coronavirus Numbers Are Accelerating Across U.S., Sarah Krouse, Anthony DeBarros, Brianna Abbott, Wall Street Journal (June 24, 2020) https://www.wsj.com/articles/coronavirus-numbers-are-accelerating-across-u-s-11593018754
    - The Supply Chain And COVID-19, J. Burress (July 13, 2020) https://www.wabe.org/the-supply-chain-and-covid-19/
    - Cellphone Data Shows How Las Vegas Is "Gambling With Lives" Across the Country, Marshall Allen, (August 18, 2020) https://www.propublica.org/article/cellphone-data-shows-how-las-vegas-is-gambling-with-lives-across-the-country
    - How to block COVID's spread from schools to the community? Matt Zalaznick, District Administration (August 19, 2020) https://districtadministration.com/reopening-schools-cohort-block-covid-spread-community-coronavirus/
    - Covid-19 Interventions Like Quarantine May Reduce Peak in Infections, Deaths: Study (October 2020)
        - https://www.sciencedaily.com/releases/2020/10/201021163925.htm?utm_source=feedburner&utm_medium=feed&utm_campaign=Feed%3A+sciencedaily%2Fscience_society%2Feducational_policy+%28Educational+Policy+News+--+ScienceDaily%29
        - https://www.news18.com/news/world/covid-19-interventions-like-quarantine-may-reduce-peak-in-infections-deaths-study-3005102.html
        - https://weather.com/en-IN/india/coronavirus/news/2020-10-25-study-reveals-non-medical-interventions-reduce-covid-19-outcomes
        - https://www.newsbreak.com/news/2089464874193/study-reveals-that-non-medical-interventions-also-reduce-severe-covid-19-outcomes
        - https://sg.news.yahoo.com/covid-19-interventions-quarantine-may-080900490.html?guccounter=1

- What can we expect from a winter COVID-19 second wave? No one knows for sure, but there is reason for hope and concern, Karen Weintraub (October 7, 2020) USA Today https://www.usatoday.com/story/news/health/2020/10/07/covid-winter-second-wave-may-bad-experts-warn-continued-vigilance/5873746002/
- Georgia faces enormous challenges to distribute a COVID-19 vaccine, Helena Oliviero and Kelly Yamanouchi (October 15, 2020) https://www.ajc.com/news/atlanta-news/georgia-faces-enormous-challenges-to-distribute-a-covid-19-vaccine/NZGSGHDJYJHKPLHDQWXNYYEIUU/
- Why Even a Small Thanksgiving is Dangerous, M. Koerth and E. Mejia, FiveThirtyEight https://fivethirtyeight.com/features/why-even-a-small-thanksgiving-is-dangerous/ (November 20, 2020)
- Coronavirus Vaccine Approval Will Launch Unprecedented Public Health Initiative, John Toon (November 30, 2020) https://rh.gatech.edu/news/641702/coronavirus-vaccine-approval-will-launch-unprecedented-public-health-initiative
- With release of COVID-19 vaccine imminent, distribution plan to be tested, Helena Oliviero, Ariel Hart, Eric Stirgus, The Atlanta Journal-Constitution (December 13, 2020) https://www.ajc.com/news/coronavirus/is-georgia-prepared-to-distribute-covid-19-vaccines/THTBTYQSDJHZXBR5QBZ4USUCUQ/
- Kemp: Vaccine distribution going 'a little slower' than anticipated, Paola Suro, 11 Alive News (December 29, 2020) https://www.11alive.com/article/news/health/coronavirus/vaccine/kemp-vaccine-distribution-going-a-little-slower-than-anticipated/85-1e04c9de-7527-4a2a-aebe-196457d97746
- What is causing vaccination delays in Georgia?, T.A. Peer, 11 Alive News (January 4, 2021) https://www.11alive.com/article/news/health/coronavirus/we-are-trying-to-vaccinate-a-lot-of-people-in-a-very-short-amount-of-time/85-264429b4-16ae-4dad-878a-2fb63ee36844
- U.S. Covid-19 Vaccination Plan Limits Speed of Rollout, Supply-Chain Experts Say, J. Smith, Wall Street Journal. (January 11, 2021) https://www.wsj.com/articles/u-s-covid-19-vaccination-plan-limits-speed-of-rollout-supply-chain-experts-say-11610283601
- Georgia vaccinations lag behind most states, Paola Suro, 11 Alive News (January 12, 2021) https://www.11alive.com/article/news/health/coronavirus/vaccine/georgia-vaccinations-lag-behind-most-states/85-53bac5fd-6e0b-43df-a13d-067165eb3628
- At Least Three Lawmakers Test Positive for Covid-19 After Capitol Attack, A. Duehren and B. Abbott, Wall Street Journal. (January 13, 2021) https://www.wsj.com/articles/at-least-three-lawmakers-test-positive-for-covid-19-after-capitol-attack-11610473977
- Member of Biden transition team says efforts to ramp up COVID-19 vaccine distribution will work, Matt Johnson, WSB-TV (January 21, 2021) https://www.wsbtv.com/news/local/atlanta/member-biden-transition-team-says-efforts-ramp-up-covid-19-vaccine-distribution-will-work/NDWG22HEMFCSZFCZCGU5HF526A/
- U.K. variant infects 19 people from nine Ga. Counties, Johnny Edwards and Yamil Berard (February 2, 202) https://www.ajc.com/news/investigations/uk-variant-found-in-nine-georgia-counties-state-says/6AVJ5Y6SDZED7DYMY2U7QZB4XE/
- Covid-19 Testing in Schools Bolsters Safety but Is Hard to Set Up, Studies Find, Brianna Abbott, WSJ (February 4, 2021) https://www.wsj.com/articles/covid-19-testing-in-schools-bolsters-safety-but-is-hard-to-set-up-studies-find-11612414860
- Gov. Kemp to give update on COVID-19, Claire Helm and The Associated Press (March 16, 2021) https://wgxa.tv/news/coronavirus/gov-kemp-to-give-update-on-covid-19

- Georgia governor ignored experts as the pandemic raged, Alan Judd (March 26, 2021) https://www.ajc.com/news/coronavirus/georgia-governor-ignored-experts-as-the-pandemic-raged/M24YAXPPTFBPXA5HMV7I4LGWOY/
- What will the easing of restrictions mean for businesses and the pandemic? J.S. Trubey, L. Figueras, T. Hallerman (April 7, 2021) https://www.ajc.com/news/coronavirus/what-will-the-easing-of-restrictions-mean-for-businesses-and-the-pandemic/BQATGPAZAVEP5JB5VVDNHOKMC4/
- Speed of vaccination is key to reducing COVID-19 spread, says study, Lakshmi Supria, April 15, 2021. https://www.news-medical.net/news/20210415/Speed-of-vaccination-is-key-to-reducing-COVID-19-spread-says-study.aspx
- Georgia Tech's dashboard breaks down Covid-19 vaccination trends by race at county level (June 25, 2021) https://www.news-medical.net/news/20210625/Georgia-Teche28099s-dashboard-breaks-down-Covid-19-vaccination-trends-by-race-at-county-level.aspx
- Georgia sees rise in coronavirus cases, hospitalizations, S. Thanawala (July 14, 2021) https://apnews.com/article/health-georgia-coronavirus-pandemic-53a59906e759f538454f19f744b29e31; https://www.miamiherald.com/news/article252781488.html
- Report: 70% of elementary school students may be infected with COVID-19 within three months without masks, Yahoo Finance, August 20, 2021 https://finance.yahoo.com/video/report-70-elementary-school-students-200850957.html
- A Calif. elementary school teacher took off her mask for a read-aloud. Within days, half her class was positive for delta, Washington Post, A.E. Cha, August 28, 2021. https://www.washingtonpost.com/health/2021/08/28/delta-variant-unvaccinated-children-elementary-schools/
- Covid Booster Shots Threaten Repeat of Vaccine Access Inequities, Ian Lopez, September 1, 2021. https://news.bloomberglaw.com/health-law-and-business/covid-booster-shots-threaten-repeat-of-vaccine-access-inequities
- I'm about to send my child to school even as the COVID-19 Delta variant is ripping through communities. It's a nerve-wracking experience millions of parents are going through every day. Kathi Valeii, September 7, 2021 https://www.businessinsider.com/delta-variant-school-covid-19-kids-parents-shooting-2021-9
- New study shows hybrid learning led to significant reduction in COVID-19 spread
    - https://www.sciencedaily.com/releases/2022/04/220429145055.htm
    - https://scienmag.com/new-study-shows-hybrid-learning-led-to-significant-reduction-in-covid-19-spread/
    - https://todayuknews.com/health/new-study-shows-hybrid-learning-led-to-significant-reduction-in-covid-19-spread/

- Logistics and supply chain management
    - Consumers wait or pay more as businesses wrestle supply chain woes, M.E. Kanell (July 19, 2021) https://www.ajc.com/news/georgia-news/consumers-wait-or-pay-more-as-businesses-wrestle-supply-chain-woes/ZLERICV7WJCKZGLCQMP6DYRVR4/
    - A sign of the economic times: Ships lined up at Savannah port, M.A., Kanell, September29, 2021. https://www.ajc.com/news/georgia-news/a-sign-of-the-economic-times-ships-lined-up-at-savannah-port/WG7XU3PTFNEIROM77RKVKO242M/

- Utilizing inventory information in allocating pandemic flu vaccine
  - Close flu vaccine supply gaps to ease flu seasons, make pandemics less deadly
    Health Medicine Network - January 8, 2019
    http://healthmedicinet.com/i/close-flu-vaccine-supply-gaps-to-ease-flu-seasons-make-pandemics-less-deadly/
  - Changes to Flu Shot Supply Chain Could Save Lives: Study
    https://www.usnews.com/news/health-news/articles/2019-01-11/changes-to-flu-shot-supply-chain-could-save-lives-study (January 11, 2019)
  - https://www.consumeraffairs.com/news/adjusting-the-resupply-of-the-flu-vaccine-could-save-thousands-of-lives-010919.html
  - https://consumer.healthday.com/infectious-disease-information-21/flu-news-314/changes-to-flu-shot-supply-chain-could-save-lives-study-741327.html
  - https://www.laboratoryequipment.com/article/2019/01/flu-vaccine-distribution-changes-could-save-thousands-lives
  - http://www.fox5atlanta.com/health/fox-medical-team/study-finds-solution-to-gaps-in-us-flu-vaccine-supply-chain; http://www.fox7austin.com/news/us-world-news/study-finds-solution-to-gaps-in-us-flu-vaccine-supply-chain (January 14, 2019)
- Continuous electroencephalography (cEEG) monitoring of children for seizures
  - https://medicalxpress.com/news/2018-12-highlights-potential-benefits-eeg-infant.html (December 12, 2018)
  - https://www.technologynetworks.com/neuroscience/news/continuous-eeg-proves-its-worth-in-monitoring-childhood-seizures-313097 (December 13, 2018)
  - https://blog.frontiersin.org/2019/01/16/continuous-eeg-brain-monitoring-for-infant-seizures-in-icu/ (January 16, 2019)
- "Women in Analytics: Georgia Tech's Pinar Keskinocak," All Analytics, July 2013.
  http://www.allanalytics.com/document.asp?doc_id=266172
- Health and humanitarian logistics
  - "No more superstorms, please. We're not quite ready," CNBC.com, October 2013
  - "Georgia Tech to Offer Humanitarian Logistics Program," Global Atlanta, August 6, 2012, by Chris Shattuck http://www.globalatlanta.com/article/25716/
  - "Georgia Tech Helps Nonprofits Master Logistics," Georgia Public Broadcasting, August 13, 2012, by Joshua Stewart
    http://www.gpb.org/news/2012/08/13/georgia-tech-helps-nonprofits-master-logistics
  - INFORMS podcast on "The Humane Face of Analytics," July 21, 2011
    http://www.scienceofbetter.org/podcast/
  - "CARE positions disaster relief with promising discipline of humanitarian logistics," July 21, 2011 http://www.eurekalert.org/pub_releases/2011-07/ifor-icp072111.php
  - INFORMS podcast on "Haiti: Humanitarian Logistics," January 14, 2010
    http://www.scienceofbetter.org/podcast/haiti.html
- Catch-up scheduling for childhood vaccination
  - Infection Control Today (May 20, 2008), Medical News Today (May 22, 2008), U.S. News and World Report (May 27, 2008), MedHeadlines (May 28, 2008), Los Angeles KABC (June 26, 2008), Discoveries and Breakthroughs Inside Science (June 2008), Forbes (June 13,

2008), Atlanta Journal Constitution (June 14, 2008), MSN Health & Fitness (June 14, 2008), Washington Post (June 24 and July 15, 2008), American Academy of Pediatrics News (July 7, 2008), WLBT News (August 2009), News-medical.net (November 2012), Medical Xpress (November 201), Vaccine News Daily (December 2012), ScienceBlog.com (December 2012), Georgia Department of Public Health Newsletter (December 2013), Managed Healthcare Executive (January 2014)

- Pandemic influenza modeling
    - Discoveries and Breakthroughs Inside Science (August 2008), ScienceDaily (August 1 and October 22, 2008), LiveScience (January 20, 2009), Medical News Today (April 28, 2009), Atlanta Journal Constitution (May 7, 2009), Emergency Management (May 22, 2009), Government Technology (December 10, 2009)

- Dynamic Procurement in a Capacitated Supply Chain Facing Uncertain Demand
    - Engineer Magazine (August 2008), **40**(8):52-53, "Dynamic Procurement Saves Money" Executive Summary Edited by C. Yano

- Coordination of Marketing and Production for Price and Leadtime Decisions
    - Industrial Engineer Magazine (January 2008), Executive Summary Edited by C. Yano

- Order Selection and Scheduling with Leadtime Flexibility
    - Industrial Engineer Magazine (July 2004), Executive Summary Edited by M. Daskin

PINAR KESKINOCAK'S SUMMARY OF INSTRUCTION OPINION SURVEY

Due to changes in the course evaluation formats, the results are reported in different formats below.

Undergraduate courses

Semester, Year	*School*	*Course No*	*Course Name*	*Number enrolled*	*Number respond.*	*Q#24*	*Q#30*	*Q#31*	*C1*	*C2*	*C3*
Fall 1999	ISyE	4104	Senior Design	24	16	**4.1**	4.7	4.5	3.9	4.5	3.8
Spring 2000	ISyE	4105	Senior Design	24	12	**4.3**	4.8	4.6	4.1	4.6	4.0
Fall 2000	ISyE	4231	Engineering optimization	25(*)	13(*)	**4.6**	4.4	4.6	4.4	4.8	3.8
Spring 2001	ISyE	4231	Engineering optimization	33	12	**4.5**	4.6	4.4	4.5	4.8	4.1

(*) I had a total of 36 students in this class, 21 of whom responded to the survey. However, 11 of these students came from another section, which was closed at the beginning of the semester, and CETL course survey system could not include their responses in course evaluations. I gave them paper surveys, and the results were in line with the results listed above.

Semester, Year	*School*	*Course No*	*Course Name*	*Number enrolled*	*Number responded*	*Q#10*	*Q#1,2,3*	*Q#4,5,6*	*Q#7,8,9*
Fall 2001	ISyE	3104	Supply Chain Models (SCM): Manufacturing Logistics	45	20	**4.4**	4.7, 4.6, 4.5	4.6, 4.7, 4.6	4.1, 4.3, 4.0
Spring 2002	ISyE	3104	SCM: Manufacturing Logistics	65	35	**4.8**	4.8, 4.9, 4.7	4.9, 4.9, 4.5	4.1, 4.5, 4.1
Fall 2002	ISyE	3104	SCM: Manufacturing Logistics	28	24	**4.6**	4.5, 4.4, 4.3	4.8, 4.6, 4.3	3.9, 4.2, 3.9
Fall 2003	ISyE	4105	Senior Design	20	16	**4.7**	4.1, 4.2, 4.3	4.9, 5.0, 4.8	4.1, 4.2, 4.0
Fall 2004	ISyE	3104-B	SCM: Manufacturing Logistics	53	43	**4.9**	4.9, 4.9, 4.7	4.8, 4.9, 4.7	4.3, 4.7, 4.4
Fall 2004	ISyE	3104-C	SCM: Manufacturing Logistics	29	28	**4.8**	4.9, 4.8, 4.7	4.8, 4.8, 4.6	4.4, 4.5, 4.5

Fall 2005	ISyE	3104-B	SCM: Manufacturing Logistics	33	29	**4.8**	4.9, 4.8, 4.7	4.9, 4.8, 4.6	4.5, 4.7, 4.3
Fall 2005	ISyE	3104-C	SCM: Manufacturing Logistics	40	34	**4.8**	4.8, 4.8, 4.7	4.8, 4.8, 4.7	4.4, 4.8, 4.7
Fall 2007	ISyE	3104-B	SCM: Manufacturing Logistics	56	48	**4.9**	4.9, 4.8, 4.7	4.9, 4.7, 4.4	4.0, 4.7, 4.6
Fall 2008	ISyE	3104-B	SCM: Manufacturing Logistics	71	55	**4.9**	4.9, 4.9, 4.8	4.8, 4.6, 4.6	4.4, 4.7, 4.6
Spring 2009	ISyE	4105	Senior Design	12	5	**4.1**	4.5, 4.5, 4.2	4.8, 5.0, 4.5	4.0, -, -
Fall 2009	ISyE	4803	Societal and Humanitarian Applications of OR/MS	36	34	**4.1**	3.3, 3.7, 3.6	4.6, 4.4, 3.7	3.0, 3.2, 3.1
Fall 2009	ISyE	4106	Senior Design	7	3	**4.8**	3.0, -, 4.0	4.8, 5.0, 5.0	4.0, -, -
Fall 2010	ISyE	4106	Senior Design	13	12	**4.3**	4.3, 4.1, 4.1	4.2, 4.7, 4.1	4.1., 4.3, 4.5

Fall 2011	ISyE	4105	Senior Design	7	7	**4.9**	The values listed after 2015 are from the ISyE senior design survey for overall advisor effectiveness.
Spring 2012	ISyE	4106	Senior Design	7	7	**4.6**	
Fall 2012	ISyE	4105	Senior Design	26	26	**4.7**	
Spring 2013	ISyE	4106	Senior Design	26	26	**4.7**	
Spring 2014	ISyE	4106	Senior Design	7	6	**5.0**	
Fall 2014-B	ISyE	4106	Senior Design	7	3	**4.8**	
Fall 2014-A	ISyE	4106	Senior Design	20	15	**5.0**	
Fall 2015	ISyE	4105	Senior Design	14	14	**4.5**	
Fall 2016-A&B	ISyE	4105	Senior Design	13	13	**4.4**	
Spring 2017-A&B	ISyE	4105	Senior Design	14	14	**4.9**	
Fall 2017-A&B	ISyE	4105	Senior Design	14	14	**4.9**	
Fall 2019-A	ISyE	4105	Senior Design	15	15	**5.0**	
Fall 2021	ISyE	4105	Senior Design	15	15	**4.75**	
Spring 2024	ISyE	4106	Senior Design	8	8	**4.3**	

- **Senior Design Competition Finalist Teams**
  - Fall 2010, Guided Advanced Tactical Rocket Strategic Production Planning (ADEX)
  - Spring 2013, Workforce Management and Process Improvement (Delta Cargo)

- Fall 2014, Identification and Allocation of Increased-Risk Encephalitis Organs (CDC)
  - First place, **IIE Undergraduate Student Technical Paper Competition**.
- Spring 2017, Contact Tracing (CDC)
  - Finalist, **INFORMS Undergraduate Operations Research Prize Competition** in Fall 2017.

- **Senior Design Competition Winner Teams**
  - Fall 2012, Yarn-to-Needle Process Improvement (Interface)
  - Fall 2014, Process Improvement and Patient Wait time Reduction for Emory Winship Cancer Institute Ambulatory Infusion Center (Emory Winship)
    - Finalist (and received honorable mention), **INFORMS Doing Good with Good OR Student Paper Competition** in 2015

Semester, Year	School	Course No	Course Name	Number enrolled	Number responded	**Q#12**
Fall 2012	ISyE	3104	SCM: Manufacturing Logistics	75	58	**4.34**
Fall 2013	ISyE	3104-A	SCM: Manufacturing Logistics	73	49	**4.61**
Fall 2013	ISyE	3104-B	SCM: Manufacturing Logistics	90	61	**4.42**
Fall 2016	ISyE	4301-A	Supply Chain Economics[5]	78	31	**3.4**
Fall 2016	ISyE	4301-B	Supply Chain Economics[4]	63	24	**4.0**
Fall 2019	GT	3821	Special Topics Section MM3 Quantitative Decision-Making in Health Systems: An Overview	21	11	**5.0**
Fall 2021	ISyE	4803	Special Topics: Public Health Systems	32	17	**4.9**
Spring 2023	ISyE	4803	Special Topics: Public Health Systems	35	17	**5.0**
Spring 2024	ISyE	4803	Special Topics: Public Health Systems	34	15	**4.8**

Q#10 or Q#12 or Q#21: Considering everything, the instructor was an effective teacher.

Graduate courses

Semester, Year	*School*	*Course No*	*Course Name*	*Number enrolled*	*Number responded*	*Q#10 Q#12*	*Q#1,2,3*	*Q#4,5,6*	*Q#7,8,9*
Fall 2002(a)	ISyE	8900	Graduate Seminar in Combinatorial Auctions	8	0				

[5] Co-taught this course with Prof. Paul Griffin.

Spring 2003	ISyE	6230-A	Economic Decision Analysis	55	28	**4.1**	4.2, 4.1, 4.0	4.7, 4.7, 4.6	4.3, 4.1, 3.7
Spring 2003	ISyE	6230-Q	Economic Decision Analysis	9	2	**5.0**	5.0, 4.5, 4.5	5.0, 5.0, 5.0	4.0, 4.0, 4.0
Spring 2004	ISyE	6230-A	Economic Decision Analysis	44	28	**4.3**	4.3, 4.4, 4.2	4.8, 4.8, 4.3	4.1, 4.2, 4.0
Spring 2004	ISyE	6230-Q	Economic Decision Analysis	6	2	**4.0**	4.0, 3.5, 3.0	4.0, 4.5, 4.0	3.5, 3.5, 3.0
Spring 2007	ISyE	8813-C	Public Applications of OR/MS	13	9	**5.0**	4.3, 4.5, 4.5	4.9, 5.0, 4.3	4.8, 4.8, 4.8
Spring 2008	ISyE	8803	Health and Public Applications of OR/MS	25	12	**4.8**	4.7, 4.6, 4.3	5.0, 4.9, 4.8	4.0, 3.5, 3.5
Fall 2008	ISyE	8813	Health and Public Applications of OR/MS	16	7	**4.8**	4.7, 4.8, 4.6	4.9, 4.9, 4.4	4.6, 4.5, 4.5

Semester, Year	*School*	*Course No*	*Course Name*	*Number enrolled*	*Number responded*	*Instructor effectiveness*
Fall 2011	ISyE	8803 (††)	Caribbean Hazard Risk Assessment and Mitigation	7	3	**5.0**
Spring 2012	ISyE	8803 (b)	Caribbean Hazard Risk Assessment and Mitigation	6	4	**5.0**
Fall 2013	ISyE HS	6320 6400 (c)	Public Impact Apps of OR Health Systems Practice	13 7	10 5	**4.79** **5.00**
Spring 2015	ISyE HS	6320 6400 (d)	Public Impact Apps of OR Health Systems Practice	7 10	4 6	**4.8** **4.9**
Spring 2016	ISyE HS	6320 6400	Public Impact Apps of OR Health Systems Practice	4 13	2 9	**5.0** **5.0**

Spring 2017	ISyE HS	6320 6400	Public Impact Apps of OR Health Systems Practice	8 13	4 7	**4.8** **4.9**
Spring 2019	ISyE HS	6320 6400	Public Impact Apps of OR Health Systems Practice	10 7	5 2	**4.8** **3.5**
Spring 2021	ISyE HS	6320 6400	Public Impact Apps of OR Health Systems Practice	14 6	9 4	**5.0** **5.0**
Spring 2022	ISyE HS	6320 6400	Public Impact Apps of OR Health Systems Practice	16 4	7 3	**4.9** **4.8**
Spring 2023	ISyE/ HS	6320/ 6400	Public Impact Apps of OR Health Systems Practice	12	4	**4.5**
Spring 2023	MGT	6114 (e)	Leadership Development	12	3	**5**

(a) Co-taught with Professors Ozlem Ergun and Joel Sokol.
(b) Co-taught with Professors Ozlem Ergun and Julie Swann. This course did not count towards teaching load.
(c) I was 75% responsible for this course and Professor Julie Swann was 25% responsible.
(d) Co-taught with Professor Turgay Ayer.
(e) Co-taught with Professor Terry Blum. This course did not count towards teaching load.

Online Professional MS Degree courses

Semester, Year	*School*	*Course No*	*Course Name*	*Number enrolled*	*Instructor overall effectiveness*
Fall 2015[6]	ISyE	6380	PMML	7	4.0
Spring 2022	ISyE	6380	PMML	10	4.8
Spring 2023	ISyE	6380	PMML	8	5.0
Spring 2025	ISyE	6380	PMML	16	4.25

[6] I co-teach this course with Dima Nazzal and Julie Swann

Fall 2015 was the inaugural class of the Professional MS in Manufacturing Leadership (PMML) program. Most of the video recordings were completed during summer and early fall semester of 2015, and the class was offered online during October-December 2015.

D4. (continued) Conference presentations, 2018 and earlier (each paper is invited or abstract-reviewed)

53. F.J. Castillo Zunino, P. Keskinocak, "Approximation Algorithms for the Multiple Knapsack Problem with Grouped Items," INFORMS Annual Conference, October 20-23, Seattle, WA, 2019.

54. F.J. Castillo Zunino, P. Keskinocak, D. Nazzal, L.B. Toktay, "Factors and Strategies for Successful Vaccination Coverage in Developing Countries," INFORMS Annual Conference, October 20-23, Seattle, WA, 2019.

55. A. Chu, P. Keskinocak, M. Villarreal, "Empowering Denver Public Schools System to Optimize School Bus Operations," INFORMS Annual Conference, October 20-23, Seattle, WA, 2019.

    - Finalist, INFORMS Daniel H. Wagner Prize for Excellence in Operations Research Practice, 2019.

56. F.M. Yildirim, P. Keskinocak, J.L. Swann, "Cost Effectiveness of Depression Screening for General Adult Population," INFORMS Annual Conference, October 20-23, Seattle, WA, 2019.

57. T. Perini, J.L. Swann, P. Keskinocak, A. Weiss, E. Ruiz-Tiben, "An Agent-based Simulation for Seasonal Guinea Worm Disease in Chad Dogs," INFORMS Annual Conference, October 20-23, Seattle, WA, 2019.

58. Y. Mohammad Shahi, P. Keskinocak, B.L. Toktay, H. Wang, "Optimal Facility Selection for EPA Compliance Assurance Program," INFORMS Annual Conference, October 20-23, Seattle, WA, 2019.

59. M. Yildirim, P. Keskinocak1, J.L. Swann, "Natural History Model of Depression," INFORMS Healthcare Conference, Boston, MA, July 27-28, 2019.

60. M. Yildirim, P. Keskinocak1, J.L. Swann, "Estimating the Impact of Asthma Interventions on Health Utilization and Expenditures for Medicaid-Enrolled Children," INFORMS Healthcare Conference, Boston, MA, July 27-28, 2019.

61. Y. Wang, P. Keskinocak, B. Gurbaxani, J. Gutman, J. Thwing, "Evaluating the Impact of ProACT Interventions on Reducing Malaria Transmission in Sub-Saharan African Countries," INFORMS Healthcare Conference, Boston, MA, July 27-28, 2019.

62. X. He, Y. Xie, P. Keskinocak, J. Sokol, "Pediatric Kidney Post-Transplant Survival Analysis and Risk Factor Identification," INFORMS Annual Conference, Phoenix, AZ, November 4-7, 2018.

63. A. Shapoval, P. Keskinocak, B. Toktay, "Recyclability of Post-disaster Debris," INFORMS Annual Conference, Phoenix, AZ, November 4-7, 2018.

64. E. Mark et al., "Using Machine Learning and Simulation to Compare Increased Organ Transplant Survival to Waiting for a Non-Increased Risk Organ," INFORMS Annual Conference, Phoenix, AZ, November 4-7, 2018.

65. S. Guven Kocak, P. Keskinocak, "The Post-disaster Debris Clearance Problem with Resource Allocation and Learning," INFORMS Annual Conference, Phoenix, AZ, November 4-7, 2018.

66. A.M.E. Gomez, P. Keskinocak, K. Paynabar, J. Sokol, "Individual Wait Time Estimation in the Organ Allocation System," INFORMS Annual Conference, Phoenix, AZ, November 4-7, 2018.

67. A. Chu, P. Keskinocak, M. Villarreal, "School Bus Routing Problem with Fixed Bell Time Windows: Denver Public Schools," INFORMS Annual Conference, Phoenix, AZ, November 4-7, 2018.

68. S. Guven Kocak, A.R. Heching, P. Keskinocak, A. Toriello, "Home Health Care Routing and Scheduling with Continuity of Care," INFORMS Annual Conference, Phoenix, AZ, November 4-7, 2018.

69. E. Mark, D. Goldsman, P. Keskinocak, B. Gurbaxani, "Using Machine Learning and Simulation to Compare High Risk Kidney Transplant Survival to Waiting for a Non High Risk Organ," American Transplant Congress, Seattle, WA, June 2-6, 2018.

70. T. Yilmaz Gozbasi, E. Gel, P. Keskinocak, "Dynamic lead-time quotation for substitutable products," EURO Conference, Valencia, Spain, July 9-11, 2018.

71. P. Keskinocak, "Systems Engineering to Reduce Stress and Burnout in Health Systems," A Systems Approach to Alleviating Work-induced Stress and Improving Health, Well-being, and Resilience of Health Professionals Within and Beyond Education: A Workshop, National Academies of Sciences, Engineering, and Medicine, Washington, DC, April 26-27, 2018

72. D. Goldsman, B. Gurbaxani, P. Keskinocak, E. Mark, H.K. Smalley, J. Sokol, "Reducing Discarded Organs and Improving Physician-Patient Decision-Making via Decision-Support Tools and Systems Optimization," INFORMS, Houston, TX, October 21-15, 2017.

    - First Place, INFORMS Poster Competition, 2017.

73. C. Lee, J. Bermudez, K. Desprez, A. Kehres, L. Patterson, S. Petlerkwang, Y. Zhu, P. Keskinocak, B. Gurbaxani, "Contact Tracing Protocol," INFORMS, Houston, TX, October 21-15, 2017.

    - Finalist, INFORMS Undergraduate Operations Research Prize, 2017.

74. S. Guven-Kocak, P. Keskinocak, A. Toriello, A.R. Heching, "Dynamically Consistent Home Health Care Routing and Scheduling," INFORMS, Houston, TX, October 21-15, 2017.

75. S. Guven-Kocak, P. Keskinocak, "The Post-disaster Debris Clearance Problem with Resource Allocation and Learning," INFORMS, Houston, TX, October 21-15, 2017.

76. A. Shapoval, P. Keskinocak, B. Toktay, "On Recycling of Post-Disaster Debris," INFORMS, Houston, TX, October 21-15, 2017.

77. I. Arsik, P. Keskinocak, J. Coppola, K. Hampapur, Y. He, H. Jiang, D. Regala, N. Tailhardat, K. Goin, "Effective and Equitable Appointment Scheduling in Rehabilitation Centers," INFORMS, Houston, TX, October 21-15, 2017.

78. P. Keskinocak, Z. Li, J. Swann, "Guinea Worm Ecology Model & Simulation, "27th Meeting of the International Task Force for Disease Eradication, Carter Center, Atlanta, GA, October 17, 2017.

79. E. Mark, D. Goldsman, B. Gurbaxani, P. Keskinocak, J. Sokol, "New Models to Predict Transplant Survival," Informs Healthcare Conference, Rotterdam, the Netherlands, July 26-28, 2017.

80. S. Necessary, K. Mason, A. Prater, Y. Cai, I. Chordia, J. Knipe, P. Keskinocak, J. O'Shea, E. Krupinski, J. Fountain, A. Corey, "Imaging Utilization in ED Patients with Headaches – Theory versus Reality," Georgia Radiological Society Annual Meeting, Hilton Head, SC, June 2-4, 2017.

81. J. Yan, T. Ayer, P. Keskinocak, "Age-Specific Risk-Cutoff Values in Prenatal-Integrated Screening for Down Syndrome Considering Fairness," Society for Health Systems (SHS) Conference, Orlando, FL, March 1-3, 2017.

    - Winner, 2017 SHS Graduate Student Paper Competition

82. M. Park, P. Pekgun, P. Keskinocak, "Using Capacity Allocation Policies for Truthful Forecast Sharing," INFORMS, Nashville, TN, November 12-16, 2016.

83. J. Yan, T. Ayer, P. Keskinocak, A. Caughey, "Fairness in Down Syndrome Screening," INFORMS, Nashville, TN, November 12-16, 2016. – Poster presentation

    - Finalist, INFORMS Poster Competition, 2016.

84. N. Anand, D. Buczek, N. Buczek, T. Lin, T. Rajore, M. Wacker, S. Basavaraju, B. Gurbaxani, T. Hammett, M. Kuehnert, P. Keskinocak, H. Smalley, J. Sokol, "Identification and Allocation of Increased-Risk Encephalitis Organs," INFORMS, Nashville, TN, November 12-16, 2016 – Poster presentation

    - Second place, INFORMS Poster Competition, 2016.

85. N. Anand, D. Buczek, N. Buczek, T. Lin, T. Rajore, M. Wacker, S. Basavaraju, B. Gurbaxani, T. Hammett, M. Kuehnert, P. Keskinocak, H. Smalley, J. Sokol, "Identification and Allocation of Increased-Risk Encephalitis Organs," Johns Hopkins Symposium on Healthcare Operations, Baltimore, MD, October 1, 2016.

86. P. Griffin, P. Keskinocak, J. Swann, M. Yildirim, "Analyzing Health and Cost Impacts for Pediatric Asthma," Informs International Conference, Hawaii, June 12-15, 2016.

87. S. Guven Kocak, P. Keskinocak, A. Toriello and A.R. Heching, "Home Health Care Scheduling and Routing over Multiple Periods," 5th INFORMS Transportation Science and Logistics Society Workshop, Atlanta, GA, June 19-22, 2016.

88. H. Smalley, P. Keskinocak, J. Swann, A. Hinman, "Optimized Oral Cholera Vaccine Distribution Strategies to Minimize Disease Incidence," Production and Operations Management Society (POMS) Conference, Orlando, FL, May 6-9, 2016.

89. M. Park, P. Pekgun, P. Keskinocak, "Does Forecast-Accuracy Based Allocation Induce Customers to Share Truthful Forecasts?" Production and Operations Management Society (POMS) Conference, Orlando, FL, May 6-9, 2016.

90. N. Anand, D. Buczek, N. Buczek, T. Lin, T. Rajore, M. Wacker P. Keskinocak, H. Smalley, "Identification and Allocation of Increased-Risk Encephalitis (IRE) Organs," Production and Operations Management Society (POMS) Conference, Orlando, FL, May 6-9, 2016.

91. M. Oster, C. Caglayan, R. Simeone, P. Keskinocak, T. Ayer, "Optimizing the Screening Algorithm for Critical Congenital Heart Disease: A Data-Driven Approach", American Heart Association Scientific Meeting, Orlando, FL, November 7-11, 2015.

92. P. Pekgun, P. Keskinocak, M. Park, "Does a Forecast-Accuracy Based Allocation Scheme Induce Truthful Forecasts," INFORMS, Philadelphia, PA, November 1-4, 2015.

93. Z. Li, P. Keskinocak, J. Swann, "Value of Inventory Information in Allocating Flu Vaccine with Limited Supply," INFORMS, Philadelphia, PA, November 1-4, 2015.

94. P. Pekgun, P. Keskinocak, "Does a Forecast-Accuracy Based Allocation Scheme Induce Truthful Forecasts," Behavioral Operations Conference, Ithaca, NY, June 24-26, 2015.

95. Celik, O. Ergun, P. Keskinocak, A. Lorca, "A Decision Support Tool for Post-Disaster Debris Operations," Humanitarian Technology: Science, Systems and Global Impact, Boston, MA, May 12-14, 2015.

96. J. Yan, T. Ayer, P. Keskinocak, "The Optimal Risk Cutoff Values for Down Syndrome Screening Considering Women's Preferences," Winter Simulation Conference, Savannah, GA, December 7-10, 2014.

97. B. Hafizoglu, E. Gel, P. Keskinocak, "Centralized and Decentralized Dynamic Price and Lead Time Quotation," INFORMS, San Francisco, CA, November 9-12, 2014.

98. J. Yan, T. Ayer, P. Keskinocak, "Preference-Sensitive Risk Cutoff Values for Prenatal Integrated Screening Test for Down Syndrome," INFORMS, San Francisco, CA, November 9-12, 2014.

99. M. Celik, O. Ergun, P. Keskinocak, A. Lorca, "A Decision Support Tool for Post-Disaster Debris Operations," INFORMS, San Francisco, CA, November 9-12, 2014.

100. M. Celik, O. Ergun, P. Keskinocak, D. Nazzal, "Models for Allocation and Inventory Management of Specialized Nutritious Foods," INFORMS, San Francisco, CA, November 9-12, 2014.

101. M. Celik, O. Ergun, P. Keskinocak, A. Lorca, "A Decision Support Tool for Post-Disaster Debris Operations," Production and Operations Management Society (POMS) Conference, Atlanta, GA, May 8-12, 2014.

102. S. Chapman, J. Huff, F. Lagarde, S. Poluru, L. Houghtalen, P. Keskinocak, S. Chen, "Workflow Analysis and Improvement at the Emory Dermatology Clinic," Production and Operations Management Society (POMS) Conference, Atlanta, GA, May 8-12, 2014.

103. M. Jo, Q. Li, J. Vlachy, T. Ayer, P. Keskinocak, J. Swann, A. Vats, L. Olson, "Improving Continuous Electroencephalography (cEEG) Monitoring in Pediatric Intensive Care Units (PICU): Whom Should We Monitor and How Long?," Pediatric Healthcare Innovation Conference, Atlanta, GA, April 21, 2014.

104. J. Yan, T. Ayer, P. Keskinocak, "Preference-Sensitive Risk Cutoff Values for Prenatal Integrated Screening Test for Down Syndrome," Pediatric Healthcare Innovation Conference, Atlanta, GA, April 21, 2014.

105. P. Keskinocak, "Hospital Operations Management," Second Tsukuba Workshop on Medical Services Management, University of Tsukuba, Tsukuba, Japan, September 20-21, 2013.

106. J. Griffin and P. Keskinocak, "Patient-bed Assignment Policies in Hospital Systems," INFORMS, Minneapolis, MN, October 4-9, 2013.

107. M. Celik, O. Ergun, P. Keskinocak, "The Stochastic Post-Disaster Debris Clearance Problem," INFORMS, Minneapolis, MN, October 4-9, 2013.

108. T. Ayer, P. Keskinocak, J. Yan, "The Effects of Different Risk Cutoff Values on the Effectiveness of Prenatal Screening Strategies for Down Syndrome," Emory University Pediatric Research Retreat: Common Complex Childhood Diseases, Atlanta, GA, June 28, 2013. (Poster presentation)

109. J. Griffin and P. Keskinocak, "Patient-Bed Assignment Policies in Hospital Systems," INFORMS Healthcare Conference, Chicago, IL, June 23-26, 2013.

110. M. Villarreal and P. Keskinocak, "Sizing and Scheduling Health Claims Coders under a Flexible Demand," INFORMS Healthcare Conference, Chicago, IL, June 23-26, 2013.

111. P. Keskinocak, D. Nazzal, M. Villarreal (2013), "Procurement and Logistics," Meeting of the Coalition for Cholera Prevention and Control, National Institutes of Health, Bethesda, MD, June 3-4.

112. E. Gel, B. Hafizoglu, P. Keskinocak, "Price and Lead Time Quotation for Contract and Spot Customers," IIE Conference, San Juan, PR, May 18-22, 2013.

113. M. Celik, O. Ergun, P. Keskinocak, "Stochastic Debris Clearance Problem," Production and Operations Management Society (POMS) Conference, Denver, CO, May 3-6, 2013.

114. P. Pekgun, P. Keskinocak, M. Janakiram, T. Maku, "Investigating Strategic Customer Behavior through an Interactive Supply Chain Game," Production and Operations Management Society (POMS) Conference, Denver, CO, May 3-6, 2013.

115. J. Griffin, P. Keskinocak, "Patient-Bed Assignment Policies in Hospital Systems," Production and Operations Management Society (POMS) Conference, Denver, CO, May 3-6, 2013.

116. P. Pekgun, P. Keskinocak, M. Janakiram, T. Maku, "Investigating Strategic Customer Behavior through an Interactive Supply Chain Game," INFORMS Conference on Business Analytics and Operations Research, San Antonio, TX, April 7-9, 2013.

117. O. Ergun, P. Keskinocak, D. Nazzal, and J. Swann. "Supply Chain Optimization: Food Aid Delivery in the Horn of Africa," Transportation Research Board Meeting, Washington, DC, January 13-17, 2013.

118. J. Griffin, P. Keskinocak, "The Bed Manager's Dilemma: A Dynamic Bed Assignment Problem," INFORMS, Phoenix, AZ, October 14-17, 2012.

119. B. Hafizoglu, E. Gel, P. Keskinocak, "Price and Lead Time Quotation for Contract and Spot Customers," INFORMS, Phoenix, AZ, October 14-17, 2012.

120. A. Lorca, O. Ergun, P. Keskinocak, "Post-disaster Debris Recycling and Disposal," INFORMS, Phoenix, AZ, October 14-17, 2012.

121. M. Celik, O. Ergun, P. Keskinocak, "Post-disaster Debris Clearance Problem with Information Updates," INFORMS, Phoenix, AZ, October 14-17, 2012.

122. P. Pekgun, M. Janakiram, P. Keskinocak, T. Maku, "Investigating Strategic Customer Behavior through an Interactive Supply Chain Game," INFORMS, Phoenix, AZ, October 14-17, 2012.

123. P. Keskinocak, P. Pekgun, S. Xia, "Competition for Demand via Price and Service Offerings," Production and Operations Management Society (POMS) Conference, Chicago, IL, April 20-23, 2012.

124. H. Smalley, P. Keskinocak, J. Stockwell, A. Vats, "Automated Physician Schedule Generation for a Pediatric ICU using Integer Programming to Enhance Continuity," Pediatric Research Retreat: Frontiers in Pediatric Science, Atlanta, GA, January 27, 2012. (Poster Presentation)

125. M. Villarreal, P. Keskinocak, "Operating Rooms Long-Term Staff Planning for a Surgical Department," INFORMS, Charlotte, NC, November 13-18, 2011.

126. H. K. Smalley, P. Keskinocak, and A. Vats. "A Continuity Score to Improve Pediatric ICU MD Schedule Design for Enhanced Handoff Continuity," INFORMS, Charlotte, NC, November 13-18, 2011.

127. M. Celik, O. Ergun, P. Keskinocak, "Online/Stochastic Network Expansion Type Problem in the Context of Debris Clearance After a Disaster," INFORMS, Charlotte, NC, November 13-18, 2011.

128. M. Stilp, O. Ergun, P. Keskinocak, "Management of Debris Operations," INFORMS, Charlotte, NC, November 13-18, 2011.

129. J. Griffin, P. Keskinocak, H. Smalley, M. Soldner, J. Swann, "Designing a Malaria Intervention Supply Chain: A Case Study and Interactive Game," INFORMS, Charlotte, NC, November 13-18, 2011.

130. H. K. Smalley, P. Keskinocak, and A. Vats. "A Continuity Score to Improve Pediatric ICU MD Schedule Design for Enhanced Handoff Continuity," INFORMS Healthcare Conference, Montreal, Canada, June 20-22, 2011.

131. A. Ekici, P. Keskinocak, J. Swann, "Effect of Influenza Pandemic on Work Absenteeism," INFORMS Healthcare Conference, Montreal, Canada, June 20-22, 2011.

132. J. Griffin, P. Keskinocak, S. Peng, S. Xia, "Improving Patient Flow in an Obstetric Unit," INFORMS Healthcare Conference, Montreal, Canada, June 20-22, 2011.

133. P. Keskinocak, P. Shi, M. Villarreal, "Improving the Performance of a Surgical Department," INFORMS Healthcare Conference, Montreal, Canada, June 20-22, 2011.

134. H. Smalley, S. Isbell, P. Keskinocak, S. Appling, J. Cothran, A. Irani, M. Kim, F. Engineer, L. Pickering, "Universal Tool for Vaccine Scheduling: Applications for Adults and Children," INFORMS Healthcare Conference, Montreal, Canada, June 20-22, 2011.

135. D. V. Laborde, N.C., Bloodworth, H. K. Smalley, J. Griffin, M. Fost, P. Keskinocak G. Mathew, "Assessing the Potential Impact of Unrecognized Abnormal Laboratory Test Results on patient Safety," The NPSF (National Patients Safety Foundation) Patient Safety Congress, Washington, DC, May 25-27, 2011. (Poster presentation)

136. H. Smalley, P. Keskinocak, A. Vats, "Development of a Handoff Continuity Score to Improve Pediatric ICU Physician Schedule Design for Enhanced Handoff Efficiency and Continuity," Society of Critical Care Medicine Congress, San Diego, CA, January 16-18, 2011. (Poster presentation)

137. P. Shi, P. Keskinocak, B. Lee, A. Shane, J. Swann, "The Impact of Mass Changes in Social Mixing Patterns on the Course of an Influenza Pandemic," Modeling for Public Health Action: From Epidemiology to Operations, Atlanta, GA, December 9-10, 2010. (Poster presentation)

138. H.K. Smalley, P. Keskinocak, F. Engineer, L. Pickering, "Universal Tool for Vaccine Scheduling: Applications for Children and Adults," Modeling for Public Health Action: From Epidemiology to Operations, Atlanta, GA, December 9-10, 2010.

139. J. Griffin, H.K. Smalley, M. Soldner, P. Keskinocak, J. Swann, "Designing a Malaria Intervention Supply Chain: A Case Study and Interactive Game," Modeling for Public Health Action: From Epidemiology to Operations, Atlanta, GA, December 9-10, 2010.

140. M. Villarreal, M. Drake, O. Ergun, G. Karakus, P. Kerl, P. Keskinocak, J. Swann, "A Leader Home Improvement Retailer Commitment to Disaster Response," INFORMS, Austin, TX, November 7-10, 2010.

141. S. Lee, P. Keskinocak, L. Garrow, J. Higbie, "Impact of Demand Model on Hotel Price Optimization Performance," INFORMS, Austin, TX, November 7-10, 2010.

142. J. Heier Stamm, O. Ergun, P. Keskinocak, J. Swann, "Coordination and Collaboration: Supply Chain Challenges in Haiti," INFORMS, Austin, TX, November 7-10, 2010.

143. M. Stilp, A. Carbajal, O. Ergun, P. Keskinocak, M. Villarreal, "Debris Operations," INFORMS, Austin, TX, November 7-10, 2010.

144. M. Stilp, O. Ergun, P. Keskinocak, "Over Restriction of Network Expansion Big M Constraints," INFORMS, Austin, TX, November 7-10, 2010.

145. A.B. Hafizoglu, E.S. Gel, P. Keskinocak, "Dynamic Price and Lead Time Quotation for MTO Systems with Contract Customers and Spot Purchasers," INFORMS, Austin, TX, November 7-10, 2010.

146. A.B. Hafizoglu, E.S. Gel, P. Keskinocak, "Expected Tardiness Computations in Multi-class Priority M/M/c Queues," INFORMS, Austin, TX, November 7-10, 2010.

147. P. Shi, P. Keskinocak, B. Lee, J. Swann, "Impact of Mass Gatherings and Holiday Traveling on the Course of an Influenza Pandemic," INFORMS, Austin, TX, November 7-10, 2010.

148. F. Erhun, P. Keskinocak, N. Privett, S. Sotnikov, "Public Health Collaboration Landscape: Strategic Collaboration to Improve Public Health Revenues," INFORMS, Austin, TX, November 7-10, 2010.

149. H. Smalley, F. Engineer, P. Keskinocak, L. Pickering, "Universal Tool for Vaccine Scheduling – Applications for Children and Adults," INFORMS, Austin, TX, November 7-10, 2010.

150. A. Ekici, P. Keskinocak, J. Swann, "Estimating Work Absenteeism during an Influenza Pandemic," INFORMS, Austin, TX, November 7-10, 2010.

151. P. Shi, P. Keskinocak, B. Lee, A. Shane, J. Swann, "The Impact of Mass Changes in Social Mixing Patterns on the Course of an Influenza Pandemic," 32nd Annual Meeting of the Society for Medical Decision Making, Toronto, Canada, October 25, 2010. (Acceptance rate for an oral presentation at this conference was 19%.)

152. F. Engineer, P. Keskinocak, L. Pickering, "Catch-up Scheduling for Childhood Vaccination," 24th European Conference on Operational Research (EURO), Lisbon, Portugal, July 10-14, 2010.

153. A. B. Hafizoglu, E.S. Gel, P. Keskinocak, "Dynamic Price and Lead Time Quotation for Make to Order Systems with Contract Customers And Spot Purchasers," 24th European Conference on Operational Research (EURO), Lisbon, Portugal, July 10-14, 2010.

154. O. Ergun, J. A. Carbajal, K. Stilp, M. Villarreal, P. Keskinocak, "Managing Debris Collection and Disposal Operations," Department of Homeland Security (DHS) Workshop on Grand Challenges in Modeling, Simulation, and Analysis for Homeland Security, Arlington, VA, March 17-18, 2010.

155. A. Ekici, P. Keskinocak, P. Shi, J. Swann, "Modeling Influenza Pandemic, Intervention Strategies, and Food Distribution," DHS Workshop on Grand Challenges in Modeling, Simulation, and Analysis for Homeland Security, Arlington, VA, March 17-18, 2010.

156. O. Ergun, P. Keskinocak, J. Swann. "When Disaster Strikes: Lessons from Emergency Supply Chains of Industry and NGOs," Decision Sciences Institute, New Orleans, LA, November 14-17, 2009.

157. O. Ergun, P. Keskinocak, J. Swann, "When Disaster Strikes: Lessons from Emergency Supply Chains of Industry and NGOs," DHS Workshop on Emergency Management: Incident, Resource, and Supply Chain Management, Irvine, CA, November 5-6, 2009.

158. O. Ergun, J. L. Heier, P. Keskinocak, J. Swann, "Design and Optimization of Agent-Based Emergency Supply Chains," DHS Workshop on Emergency Management: Incident, Resource, and Supply Chain Management, Irvine, CA, November 5-6, 2009.

159. P. Keskinocak, P. Shi, J. Swann, "Modeling Seasonality and Mutations in Influenza Pandemic," INFORMS, San Diego, CA, October 11-14, 2009.

160. F. Engineer, P. Keskinocak, L. Pickering, "Catch-up Scheduling for Childhood Immunization," INFORMS, San Diego, CA, October 11-14, 2009.

161. B. Basaran, A. Ekici, P. Keskinocak, "1.5-Dimensional Rectangle Packing and its Applications in the Semiconductor Industry," INFORMS, San Diego, CA, October 11-14, 2009.

162. J.A. Carbajal, M. Villarreal, O. Ergun, P. Keskinocak, "Debris Clearance during Disaster Operations," INFORMS, San Diego, CA, October 11-14, 2009.

163. P. Pekgun, P. Griffin, P. Keskinocak, "Decentralizing Price and Lead-time Decisions under Competition," INFORMS, San Diego, CA, October 11-14, 2009.

164. N. Privett, F. Erhun, P. Keskinocak, G. Shah, S. Sotnikov, "Investigating the Effects of Partnerships on Local Public Health Agencies," INFORMS, San Diego, CA, October 11-14, 2009.

165. E. Ozkaya, P. Keskinocak, J. Vande Vate, M. Waithe, "Pre-launch Forecasting of New Product Diffusions," INFORMS, San Diego, CA, October 11-14, 2009.

166. A. Ekici, P. Keskinocak, J. Swann, P. Shi, "Pandemic Influenza Modeling and Intervention Strategies," Pandemic Influenza and Response Conference, Georgia Business Force and Georgia Chamber of Commerce, Atlanta, GA, September 21, 2009.

167. E. Ozkaya, P. Keskinocak, J. Vande Vate, M. Waithe, "Pre-launch Forecasting of New Product Diffusions: Diffusion Pattern Analysis and Algebraic Estimation Procedures," International Symposium on Forecasting, Kowloon, Hong Kong, June 21-24, 2009.

168. E. Ozkaya, P. Keskinocak, J. Vande Vate, M. Waithe, "Seasonality Models for New Product Diffusions: Shrinking Seasonal Split and Product Mix Approaches," INFORMS Marketing Science Conference Ann Arbor, Michigan, June 4-6, 2009.

169. A. Ekici, P. Keskinocak., J. Swann, "Modeling Influenza Pandemic, Intervention Strategies, and Food Distribution," Industrial Engineering Research Conference, Miami, FL, May30 – June 3, 2009.

170. B. Basaran, A. Ekici, P. Keskinocak, "1.5-Dimensional Rectangle Packing and its Applications in the Semiconductor Industry," Industrial Engineering Research Conference, Miami, FL, May30 – June 3, 2009.

171. J.A. Carbajal, M. Villarreal, O. Ergun, P. Keskinocak, "Debris Management Operations," Odysseus Conference, Cesme, Turkey, May 26-29, 2009.

172. J.A. Carbajal, M. Villarreal, O. Ergun, P. Keskinocak, "Debris Management Operations," POMS Annual Conference, Orlando, FL, May 1-4, 2009.

173. A. Ekici, P. Keskinocak, P. Shi, J. Swann, "Modeling Influenza Pandemic, Intervention Strategies, and Food Distribution," POMS Annual Conference, Orlando, FL, May 1-4, 2009.

174. O. Ergun, M. Drake, J. Heier, P. Kerl, P. Keskinocak, and J. Swann. When Disaster Strikes: Lessons from Logistics at Home Depot and Waffle House. Meeting on: Improving Disaster Supply Chain Management: Key supply chain factors for humanitarian relief. Stephenson Disaster Management Institute, and ISDS Department of Louisiana State University, Baton Rouge, LA, November 2008.

175. A. Ekici, P. Keskinocak, J. Swann, "Pandemic Influenza Modeling and Food Distribution Logistics," Mayo Clinic Conference (poster presentation), Rochester, NY, October 22-23, 2008.

176. F. Engineer, P. Keskinocak, L. Pickering, "Decision Support Tool for Childhood Immunization Catch-up Scheduling," Mayo Clinic Conference (poster presentation), Rochester, NY, October 22-23, 2008.

177. F. Engineer, P. Keskinocak, L. Pickering, "Decision Support Tool for Childhood Immunization Catch-up Scheduling," INFORMS, Washington, DC, October 12-15, 2008.

178. R. Hagtvedt, P. Griffin, P. Keskinocak, "Healthcare Associated Infections: An Agent-based Simulation of the Dynamics of Pathogen Flows," INFORMS, Washington, DC, October 12-15, 2008.

179. A. Ekici, P. Keskinocak, J. Swann, "Pandemic Influenza Modeling and Food Distribution Logistics," INFORMS, Washington, DC, October 12-15, 2008.

180. E. Ozkaya, P. Keskinocak, J. Vande Vate, M. Waithe, "Diffusion Models for Product Mix Forecasting," INFORMS Practice Conference, Baltimore, MD, April 13-15, 2008.

181. O. Ergun, J. Heier, P. Kerl, P. Keskinocak, J. Swann, "When Disaster Strikes: Lessons from Logistics at Home Depot and Waffle House," INFORMS Practice Conference, Baltimore, MD, April 13-15, 2008.

182. A. Ekici, P. Keskinocak, J. Swann, "Modeling Pandemic Influenza and Strategies for Food Distribution," NSF Bridges to Engineering Research 2020 National Conference, Greensboro, NC, March 12-14, 2008.

183. P. Pekgun, P. Griffin, P. Keskinocak, "An Empirical Study for Estimating Price Elasticities in the Travel Industry," INFORMS, Seattle, WA, November 4-7, 2007.

184. S. Savasaneril, P. Griffin, P. Keskinocak, "Analysis of Lead Time and Inventory Flexibility for Base Stock Inventory Systems," INFORMS, Seattle, WA, November 4-7, 2007.

185. F. Engineer, P. Keskinocak, L. Pickering, "Catch-up Scheduling for Childhood Immunization," INFORMS, Seattle, WA, November 4-7, 2007.

186. B. Yuksel Ozkaya, P. Keskinocak, J. Swann, "Effect of Manufacturer Rebates in the Automobile Industry - An Empirical Study," INFORMS, Seattle, WA, November 4-7, 2007.

187. E. Ozkaya, P. Keskinocak, R. Weight, "Estimating and Benchmarking Less Than Truckload (LTL) Market Rates," INFORMS, Seattle, WA, November 4-7, 2007.

188. A. Ekici, O. Ergun, P. Keskinocak, M. Lagoudakis, "Optimal Job Splitting on a Multi-slot Machine with Applications in the Printing Industry," INFORMS, Seattle, WA, November 4-7, 2007.

189. A. Ekici, S. Hosseini, P. Keskinocak, J. Swann, R. Ramamurthy, "Logistics Planning for Improved Pandemic Flu Response," INFORMS, Seattle, WA, November 4-7, 2007.

190. S. Duran, M. Gutierrez, P. Keskinocak, A. Okwo, "Pre-positioning Inventory for Emergency Response," INFORMS, Seattle, WA, November 4-7, 2007.

191. A. Ak, O. Ergun, J. Heier, P. Keskinocak, C. Wardell, "Quantitative Models for Vaccine Procurement," INFORMS, Seattle, WA, November 4-7, 2007

192. E. Ozkaya, P. Keskinocak, J. Vande Vate, M. Waithe, "Supply Chain and Logistics Planning of Platform Products: Value of Platform Demand Information," INFORMS, Seattle, WA, November 4-7, 2007.

193. R. Hagtvedt, P. Keskinocak, P. Griffin, "The Economics of Nosocomial Infection Controls in Hospitals," INFORMS, Seattle, WA, November 4-7, 2007.

194. Keskinocak, P., B. Ozkaya, and J. Swann. "Evidence of Manufacturer Rebates in the Automotive Industry," Sloan Industry Studies Southeastern Regional Meeting (poster session), Atlanta, GA, March 30, 2007.

195. P. Caliskan Demirag, P. Keskinocak and J. Swann, "The Effect of Competition on the Performances of Customer Rebates and Retailer Incentives," INFORMS, Pittsburgh, PA, November 5-8, 2006.

196. S. Duran, A. Gulcu, P. Keskinocak and J. Swann, "Value of Considering Service-Sensitive Demand in Customer Acceptance Decisions," INFORMS, Pittsburgh, PA, November 5-8, 2006.

197. P. Pekgun, P. Griffin, P. Keskinocak, "Centralized vs. Decentralized Competition for Price and Lead-time Sensitive Demand," INFORMS, Pittsburgh, PA, November 5-8, 2006.

198. E. Ozkaya, P. Keskinocak, J. Vande Vate, M. Waithe, "Supply Chain and Logistics Planning of Platform Product- Value of Demand Information on Supply Chains," INFORMS, Pittsburgh, PA, November 5-8, 2006.

199. B. Yuksel Ozkaya and P. Keskinocak, "A Model on Decentralized Dynamic Price and Lead-Time Quotation," INFORMS, Pittsburgh, PA, November 5-8, 2006.

200. Baysar, O., O. Caliskan Demirag, P. Keskinocak and J. Swann, "The Effects of Customer Rebates and Retailer Incentives on Manufacturer Profitability and Sales," Poster session at Manufacturing & Service Operations Management Conference, Atlanta, GA, June 19 – 20, 2006.

201. O. Baysar, O. Caliskan Demirag, P. Keskinocak, and J. Swann, "The Effects of Customer Rebates and Retailer Incentives on Manufacturer Profitability and Sales," 6th Annual INFORMS Revenue Management and Pricing Section Conference, June 5-6, 2006.

202. O. Baysar, O. Caliskan Demirag, P. Keskinocak, and J. Swann, "The Effects of Customer Rebates and Retailer Incentives on Manufacturer Profitability and Sales," POMS Annual Conference, Boston, MA, April 28-May 1, 2006.

203. O. Baysar, O. Caliskan Demirag, P. Keskinocak, and J. Swann, "The Effects of Customer Rebates and Retailer Incentives on Manufacturer Profitability and Sales,"1st Utah Winter Operations Conference, Snowbird, Utah, February 23-26, 2006.

204. O. Baysar, O. Caliskan Demirag, P. Keskinocak, and J. Swann, "Analysis of Customer Rebates and Retailer Incentives in the Automotive Market," 5th Annual Supply Chain and Logistics Engineering (SCALE) Conference, Gainesville, Florida, February 25-26, 2006.

205. S. Duran, A. Gulcu, P. Keskinocak, and J. Swann, "Quoting Customer Lead Times When the Demand Depends on Service Performance," INFORMS, San Francisco, November 13-16, 2005.

206. O. Baysar, O. Caliskan Demirag, P. Keskinocak, and J. Swann, "The Effect of Customer Rebates and Retailer Incentives on Channel Coordination," INFORMS, San Francisco, November 13-16, 2005.

207. A. Popescu, P. Keskinocak, E. Johnson, "Wavelets for Estimating the Cargo Show-up rate Distribution," INFORMS, San Francisco, November 13-16, 2005.

208. A. Popescu, E. Johnson, E. Barnes, P. Keskinocak, "A New Approach to Solve the Probabilistic Nonlinear Seat Inventory Control Problem," INFORMS, San Francisco, November 13-16, 2005.

209. P. Keskinocak and S. Savasaneril, "Collaborative Procurement between Competing Buyers with Capacity Restrictions," TU/e-OPAC and METU-IE Workshop, Eindhoven University of Technology, Eindhoven, The Netherlands and Middle East Technical University, Ankara, Turkey, October 21-22, 2005.

210. A. Popescu, E. Johnson, E. Barnes, P. Keskinocak, "A New Approach to Solve the Probabilistic Nonlinear Seat Inventory Control Problem," AGIFORS (The Airline Group of the International Federation of Operational Research Societies) Annual Symposium, Sao Paolo, Brazil, September 25-30, 2005. (This paper was the runner-up for the AGIFORS 2005 Anna Valicek Award.)

211. P. Keskinocak and S. Savasaneril, "Collaboration Between Buyers During the Procurement Process," XXV. National Operations Research and Industrial Engineering Congress, Istanbul,Turkey, July 2005.

212. P. Pekgun, P. Griffin,and P. Keskinocak, "Coordination of Marketing and Production for Price and Lead-time Decisions,"MSOM Conference, Northwestern University, June 27-28,2005.

213. A. Gulcu, S. Duran, P. Keskinocak, and J. Swann, "Quoting Customer Lead Times When the Demand Depends on Service," Manufacturing and Service Operations Management (MSOM) Conference, Northwestern University, June 27-28, 2005.

214. S. Duran, A. Gulcu, P. Keskinocak and J. Swann, "Quoting Customer Leadtimes when Customer are Service Sensitive," Industrial Engineering Research Conference (IERC) hosted by Institute for Industrial Engineers (IIE), Atlanta, GA, May 14 – 18, 2005.

215. O. Baysar, P. Keskinocak and J. Swann, "Designing Effective Rebate and Incentive Programs for the Automotive Industry," Industrial Engineering Research Conference (IERC) hosted by Institute for Industrial Engineers (IIE), Atlanta, GA, May 14 – 18, 2005.

216. P. Keskinocak, K. Charnsirisakskul, and P. Griffin, "Supply Chain Procurement with Inventory and Backordering Options," INFORMS, Denver, October 24-27, 2004.

217. A. Gulcu, S. Duran, P. Keskinocak, and J. Swann, "Quoting Customer Lead Times when the Demand Depends on Service Performance," INFORMS, Denver, October 24-27, 2004.

218. S. Savasaneril, P. Griffin, and P. Keskinocak, "Dynamic Due-date Quotation for Basestock Inventory Systems," INFORMS, Denver, October 24-27, 2004.

219. P. Pekgun, P. Griffin,and P. Keskinocak, "Coordination of Marketing and Production for Price and Lead-time Decisions," INFORMS, Denver, October 24-27, 2004.

220. A. Popescu, E. Johnson, P. Keskinocak, R. Kasilingam, and M. LaDue, "Air Cargo Overbooking using a Discrete Show-up Rate Distribution," INFORMS, Denver, October 24-27, 2004.

221. A. Popescu, P. Keskinocak, and E. Johnson, "A Perishable Inventory Problem with Positive Replenishment Lead Times and Backlogging," INFORMS, Denver, October 24-27, 2004.

222. A. Popescu, P. Keskinocak, E. Johnson, R. Kasilingam, and M. LaDue "Air Cargo Overbooking using a Discrete Show-up Rate Distribution," AGIFORS (The Airline Group of the International Federation of Operational Research Societies) Annual Symposium, Singapore, September 5-10, 2004. (This paper was the runner-up for the AGIFORS 2004 Anna Valicek Award.)

223. W. Elmaghraby, A. Gulcu, and P. Keskinocak (2004), "Optimal Markdown Mechanisms in the Presence of Uncertainty," Kellogg Operations Workshop, July 23-25, Evanston, Illinois.

224. W. Elmaghraby, A. Gulcu, and P. Keskinocak (2004), "Optimal Markdown Mechanisms in the Presence of Rational Customers with Multi-Unit Demands," NSF Workshop on Supply Chain Management, Gainesville, Florida, February 28-March 1.

225. N. An, W. Elmaghraby, and P. Keskinocak (2003), "Bidding Strategy for Combinatorial Auctions," INFORMS, Atlanta, October 19-22.

226. W. Elmaghraby, A. Gulcu, and P. Keskinocak (2003), "Optimal Design of Markdown Pricing Mechanisms under Incomplete Information," INFORMS, Atlanta, October 19-22.

227. P. Keskinocak and S. Savasaneril (2003), "Collaborative Procurement," INFORMS, Atlanta, October 19-22.

228. I. Karaesmen, P. Keskinocak, S. Tayur, and W. Yang (2003), "Challenges in Scheduling of Fractional Owership Aircraft," INFORMS, Atlanta, October 19-22.

229. M. Berhault, H. Huang, P. Keskinocak, Sven Koenig, W. Elmaghraby, P. Griffin, A. Kleywegt (2003), "Robot Exploration with Combinatorial Auctions," INFORMS, Atlanta, October 19-22.

230. N. An, W. Elmaghraby, P. Keskinocak (2003), "Bidding in Combinatorial Auctions," EURO INFORMS Conference, Istanbul, July 7-10.

231. C.Martin, D. Jones, and P. Keskinocak (2002), "Bitwise Fractional Airline Optimizer," INFORMS, San Jose, November 17-20.

232. W. Elmaghraby, A. Gulcu, and P. Keskinocak (2002), "Markdown Mechanisms," INFORMS, San Jose, November 17-20.

233. I. Karaesmen, P. Keskinocak, S. Tayur, and W. Yang (2002), "Scheduling Multiple Types of Time-Shared Aircraft Subject to Crew Duty-Time Restrictions," INFORMS, San Jose, November 17-20.

234. W. Elmaghraby, A. Gulcu, P. Keskinocak (2002), "Optimal Markdown Mechanisms in the Presence of Rational Customers with Multi-unit Demands," Manufacturing and Service Operations Management (MSOM) Conference, Cornell University, Ithaca, New York, June 17-18.

235. I. Karaesmen, P. Keskinocak, S. Tayur, and W. Yang (2002), "Scheduling Multiple Types of Time-Shared Aircraft with Crew Duty-Time Constraints," Manufacturing and Service Operations Management (MSOM) Conference, Cornell University, Ithaca, New York, June 17-18.

236. W. Elmaghraby, A. Gulcu, P. Keskinocak (2002), "Optimal Markdown Mechanisms in the Presence of Rational Customers with Multi-unit Demands," Conference on Supply Chain Management and E-Commerce, University of Florida, February 26-March 2.

237. W. Elmaghraby, A. Gulcu, P. Keskinocak (2001), "Analysis of a Price Markdown Mechanism," INFORMS, Miami, November 4-7.

238. F. Erhun, P. Keskinocak, S. Tayur (2001), "Sequential Capacity Procurement in a Stochastic Capacitated Supply," INFORMS, Hawaii, June 17-20.

239. P. Keskinocak (2001), "Dynamic Pricing Models for E-Commerce," E-Logistics Expo, Atlanta, GA, May 9-11.

240. P. Keskinocak (2001), “Dynamic Pricing Strategies for E-Commerce,” Logistics Congress of the Americas, Panama City, Panama, April 24-27.

241. F. Erhun, P. Keskinocak, S. Tayur (2000), “Analysis of Capacity Reservation and Spot Purchase under Horizontal Competition,” INFORMS, San Antonio, TX, November 5-8.

242. M. Dawande, J. Kalagnanam, P. Keskinocak, R. Ravi, F.S. Salman (1999), “Approximation Algorithms For the Multiple Knapsack Problem With Assignment Restrictions,” INFORMS, Philadelphia, PA, November 7-10.

243. P. Keskinocak, R. Lougee-Heimer, S. Murthy (1997), “Multi-criteria Master Production Scheduling,” INFORMS, Dallas, TX.

244. P. Keskinocak, S. Tayur (1997), “Scheduling of Orders Release Times and Decreasing Revenues,” International Symposium on Mathematical Programming, Lausanne, EPFL, August 24-29.

245. P. Keskinocak, S. Tayur (1996), “Dynamic Assignment of Servers to Customers in the Presence of Time Windows & Other Server Restrictions,” INFORMS, Washington, DC, May 5-8.