

January 2023

Diwas Singh KC

Information Systems and Operations Management
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EDUCATION

THE WHARTON SCHOOL, UNIVERSITY OF PENNSYLVANIA, Philadelphia, PA 2008
Doctor of Philosophy in Managerial Sciences and Applied Economics

STANFORD UNIVERSITY, Palo Alto, CA 2003
Master of Science in Management Science and Engineering

BROWN UNIVERSITY, Providence, RI 1999
Bachelor of Science in Electrical Engineering, *magna cum laude*

ACADEMIC EMPLOYMENT

GOIZUETA BUSINESS SCHOOL, EMORY UNIVERSITY, Atlanta, GA

| | |
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| Goizueta Foundation Term Professor | 2021 - Present |
| Professor of Information Systems and Operations Management | 2020 - Present |
| Associate Professor of Information Systems and Operations Management | 2014 – 2020 |
| Caldwell Research Fellow | 2017 – 2019 |
| Assistant Professor of Information Systems and Operations Management | 2008-2014 |

AWARDS AND HONORS

- Finalist for INFORMS *Service Science* Best Paper Award (2019)
- Outstanding Senior Editor, *Production and Operations Management* (2019)
- Finalist for POMS Most Influential Service Operations Paper Award (2019)
- Caldwell Research Fellowship (2018, 2017)
- *Management Science* Meritorious Service Award (2018, 2016, 2013)
- Finalist, *Manufacturing and Service Operations Management* Best Paper Award (2016, 2015)
- *Manufacturing and Service Operations Management* Meritorious Service Award (2016)
- Goizueta Business School Research Award (2018, 2017, 2015, 2013, 2011, 2009)
- *Management Science* Distinguished Service Award (2014, 2011)
- Finalist, *Production and Operations Management* Healthcare Paper Competition (2013, 2011)
- Emory Medical Care Foundation Research Grant (2012)
- Emory University Research Committee (URC) Award (2009)
- Finalist, *Manufacturing and Service Operations Management* Student Paper Competition (2008)
- National Science Foundation IGERT Doctoral Fellowship (2003-2007)
- Penn Lauder Center for International Business Education and Research Grant for Dissertation Research (2007)
- Paul R Dupee, Jr. National Scholar, Tau Beta Pi, Sigma Xi, Brown University (1999)

RESEARCH INTERESTS

Productivity, Quality, Capacity Management, Learning, Technology Adoption, Health Care Operations, Health Care Policy, Data Analytics

PUBLISHED PAPERS

1. KC, Diwas and Jiayi Liu. 2022. “Nudging Patient Choice: Evidence from a Field Experiment” (forthcoming at *Operations Research*)
2. RJ Niewoehner, Brad Staats, and Diwas KC. 2022. “Physician Discretion and Patient Pick-up: How Familiarity Encourages Multitasking in the Emergency Department” *Operations Research* August 19, 2022.
3. KC, Diwas, Kim, TI and Liu, Jiayi. 2022. “Electronic Prescription Monitoring and the Opioid Epidemic” *Production and Operations Management* 31(11), pp.4057-4074.
4. KC, Diwas and TI Kim. 2022. “Impact of Universal Healthcare on Patient Choice and Quality of Care” *Production and Operations Management* 31(5), pp.2167-2184.
5. Fundora, Michael, Jiayi Liu, Calamaro, Christina, Mahle, William and Diwas KC. 2021. “Staff Scheduling and Workload on Outcomes in the Pediatric Cardiac Intensive Care Unit” *Pediatric Critical Care Medicine* (Aug 1;22(8):683-691)
6. KC, Diwas and Sokol Tushe. 2021. “The Effects of Multi-Siting on Productivity and Quality” *Manufacturing & Service Operations Management*, 23(4) July–August 2021 pp 745-1004
7. KC, Diwas. 2020. “Heuristic Thinking in Patient Care” *Management Science*, 66 (6), 2545-2563
 - Finalist for INFORMS *Service Science* Best Paper Award
8. Kim, TI and Diwas KC. 2020. “The Impact of Hospital Advertising on Patient Demand and Health Outcomes” *Marketing Science*, 39 (3), 612-635
9. KC, Diwas, Brad Staats, Maryam Kouchaki, and Francesca Gino. 2020. “Task selection and workload: A focus on completing easy tasks hurts long-term performance” *Management Science*, 66(10) pp 4359-4919
10. Kim, TI and Diwas KC. 2020. “Direct-to-Consumer Advertising on Public Health Outcomes: Can Viagra Advertising Make More Babies?” *Journal of Marketing Research*, 57(4)
 - *Summer Institute in Competitive Strategy* Conference Selection
11. KC, Diwas, Christian Terwiesch and Stefan Scholtes. 2020. “Empirical Research in Healthcare Operations: Past Research, Present Understanding, and Future Opportunities” *Manufacturing & Service Operations Management*, 22 (1), 73-83
12. Batt, Bob, Diwas KC, Brad Stats, and Brian Patterson. 2019 “The Effect of Discrete Work Shifts on a Nonterminating Service System” *Production and Operations Management*, 28 (6), 1528 - 1544
13. Staats, Brad, KC, Diwas, and Francesca Gino. 2018. “Maintaining Beliefs in the Face of Negative News: The Moderating Role of Experience” *Management Science* 64(2), 804-824

14. Ward, M., KC, D. S., Jenkins, C., Liu, D., Padaki, A., and J. M. Pines 2018 “Emergency department provider and facility variation in opioid prescriptions for discharged patients” *American Journal of Emergency Medicine*, **37** (5), 851-858
15. KC, Diwas and Christian Terwiesch. 2017 “Benefits of Surgical Smoothing and Spare Capacity: An Econometric Analysis of Patient Flow” *Production and Operations Management* **26**(9) 1663-1684
 - Finalist for *POMS* Most Influential Service Operations Paper Award
16. Osadchiy, Nikolay and Diwas KC. 2017. “Are Patients Patient? The Role of Time to Appointment on Patient Flow” *Production and Operations Management* **26**(3) 469-490
 - Finalist for *POMS* Best Paper Award in Healthcare
17. KC, Diwas. 2014. “Does Multi-Tasking Improve Performance? Evidence from the Emergency Department” *Manufacturing & Service Operations Management* **16**(2) 168-183
 - Finalist, *M&SOM* journal best paper award
 - Finalist for the *POMS* best paper award in Healthcare
 - Lead Article
18. KC, Diwas, Brad Staats and Francesca Gino. 2013. “Learning from My Success and from Others’ Failure: Evidence from Minimally Invasive Cardiac Surgery” *Management Science* **59**(11) 2435-2449
19. KC, Diwas and Brad Staats. 2012. “Accumulating a Portfolio of Experience: The Effect of Focal and Related Tasks on Surgeon Performance” *Manufacturing & Service Operations Management* **14** (4) 618-633.
20. KC, Diwas and Christian Terwiesch. 2011. “The Effect of Focus on Performance: Evidence from California Hospitals,” *Management Science* **57**(11) 1897-1912
 - Lead Article
21. KC, Diwas and Christian Terwiesch. 2011. “An Econometric Analysis of Patient Flows in the Cardiac Intensive Care Unit,” *Manufacturing & Service Operations Management*. **14**(1) 50-65
 - Honorable mention in the *M&SOM* paper competition. An extended abstract of this paper was published in *M&SOM*. **11**(1) 185-188.
 - Finalist, *M&SOM* journal best paper award
22. Terwiesch, Christian, Kahn, Jeremy and Diwas KC. 2011. “Working with Capacity Limitations: Operations Management in Critical Care” *Critical Care* **15**:308
23. KC, Diwas and Christian Terwiesch. 2009. “Impact of Work Load on Service Time and Patient Safety: An Econometric Analysis of Hospital Operations,” *Management Science*. **55**(9) 1486-1498

BOOK OR MONOGRAPH

24. KC, Diwas. Worker Productivity in Operations Management. 2020. (*Foundations and Trends in Technology, Information, and Operations Management*) Vol. 13: No. 3, pp 151-249
 - Monograph on History and Future of Workforce Productivity

CHAPTER IN BOOK

25. KC, Diwas. 2018. "Econometric Methods in Healthcare Operations" Handbook of Healthcare Analytics: Theoretical Minimum for Conducting 21st Century Research on Healthcare Operations. Tayur, S and Dai, T, Eds., pp.381-402

PAPERS UNDER REVIEW

1. Gurlek, Ragip, KC, Diwas and Paolo Letizia. 2022. "Store Closures and Online Shopping: Evidence from a Natural Experiment" under review at *Manufacturing and Service Operations Management*
2. Tushe, Sokol, KC, Diwas, Ding, Hao, and Howa Yeung. 2022. "Multi-channel Healthcare: Impact of Telemedicine Adoption on Patient Flow" invitation for 2nd round review at *Manufacturing and Service Operations Management*
3. Ding, Hao, KC, Diwas Singh, Lee, Donald, and Sokol Tushe. 2023 "Valuing Nursing Productivity in Emergency Departments" under review at *Manufacturing and Service Operations Management*
4. KC, Diwas. 2020. "Tinkering and Learning in the Sharing Economy" (under revision)
5. KC, Diwas and Brad Staats. 2019. "Discretionary Tasks under Operating and Peer Pressures" (under revision)

RESEARCH IN PROGRESS

1. Liu, Jiayi and Diwas KC. 2022. "Waiting Lists and Kidney Transplantation"
2. KC, Diwas, Kim, TI, and Jiayi Liu. 2019. "Medicaid Expansion and Opioid Treatment at Rehab Facilities"
3. Gurlek, Ragip, Letizia, Paolo, and Diwas KC. 2022. "Omni Channel Sales for Luxury Goods"

INVITED SEMINARS

- | | |
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| 2023 | INSEAD (scheduled) Rutgers (scheduled) |
| 2022 | McGill University Desautels Faculty of Management University of British Columbia Sauder School of Business |
| 2021 | Johns Hopkins University Carey Business School Rutgers Business School Supply Chain Management Workshop UNL Business School |
| 2019 | University of Southern California UNC Chapel-Hill Operations Conference University of Illinois at Urbana Champaign Healthcare Workshop |
| 2018 | University of Maryland Smith School of Business Emory University Rollins School of Public Health University of Oxford Business School |

- 2017 Wharton Empirical Operations Workshop
UT Austin McCombs School of Business
Utah Winter Conference
Vanderbilt Owen School of Business
University of Florida Warrington College of Business Healthcare Workshop
UNC Chapel-Hill Conference on Aging
- 2015 Georgia Tech Scheller College of Management
Arizona State University
- 2014 Tuck School of Business at Dartmouth
Boston University School of Business
H. Milton Stewart School of Industrial and Systems Engineering, Georgia Tech
University of South Carolina Moore School of Business
Simon School of Business, University of Rochester
- 2013 Harvard Business School
Owen School of Management, Vanderbilt University
Workshop on Empirical Research in Operations Management, Wharton School
Emory University School of Medicine
- 2012 Anderson School of Management, UCLA
Carlson School of Management, University of Minnesota
Emory University School of Medicine
Kenan-Flagler Business School, UNC Chapel Hill
Kellogg School of Management Operations Workshop, Northwestern University
- 2011 H. Milton Stewart School of Industrial and Systems Engineering, Georgia Tech
Alberta School of Business, University of Alberta
- 2010 Tuck School of Business at Dartmouth
Krannert School of Management, Purdue University
Kenan-Flagler Business School, UNC Chapel Hill
London Business School
Emory University Rollins School of Public Health
- 2008 Stanford Graduate School of Business
Ross School of Business, University of Michigan
Goizueta Business School, Emory University
INSEAD
Fisher School of Business, Ohio State University
Wisconsin School of Business, University of Wisconsin
Carroll School of Management, Boston College
- 2007 The Wharton School (Healthcare Systems Department), University of Pennsylvania
Workshop on Empirical Research in Operations Management, Wharton School, University of Pennsylvania

INVITED CONFERENCE/WORKSHOP PRESENTATIONS

Healthcare Analytics: Past, Present, Future (*Keynote Speaker*)

National University of Singapore Analytics for X Conference (September 2022)

Nudging Patient Choice: Evidence from a Field Experiment

INFORMS Annual Meeting, Seattle, WA (October 2019)

Effects of Multi-Siting on Productivity and Quality

INFORMS Annual Meeting, Seattle, WA (October 2019)

Benefits of Surgical Smoothing and Spare Capacity: An Econometric Analysis of Patient Flow

POMS 2019 Conference in Washington, DC (May 2019)

Heuristic Thinking in Patient Care

INFORMS Annual Meeting, Seattle, WA (October 2019)

INFORMS Annual Meeting, Phoenix, AZ (November 2018)

Impact of Universal Healthcare on Patient Choice

INFORMS Annual Meeting, Phoenix, AZ (November 2018)

Are Patients Patient? The Role of Time to Appointment on Patient Flow

INFORMS Annual Meeting, Nashville, TN (November 2016)

The Effect of Universal Healthcare on Emergency Department Visits

INFORMS Annual Meeting, Nashville, TN (November 2016)

Testing my Patience: Does Wait Affect Patient Behavior?

INFORMS Annual Meeting, San Francisco, CA (November 2014)

Impact of Waiting Time on Patient Throughput: An Econometric Analysis of Outpatient Clinics

POMS Annual Meeting, Atlanta, GA (April 2014)

INFORMS Annual Meeting, Minneapolis, MN (October 2013)

M&SOM Annual Conference, Fontainebleau, France (July 2013)

An Empirical Study of Demand Variation, Flexibility, and Demand Smoothing

M&SOM Annual Conference, Fontainebleau, France (July 2013)

Empirical Methods in Healthcare Operations

NSF Working Group on Data-Driven methods in Healthcare (December 2012)

Discussant: Empirical HealthCare Operations

Wharton Empirical Operations Workshop, PA (September 2012)

Does the Insurance Mandate Free You to Choose?

INFORMS Annual Meeting, Phoenix, AZ (October 2012)

Matching Supply with Demand in an Outpatient Clinic

INFORMS Annual Meeting, Phoenix, AZ (October 2012)

M&SOM Annual Conference, New York, NY (June 2012)

POMS Annual Meeting, Chicago, IL (April 2012)

Impact of Universal Healthcare on Patient Choice

INFORMS Annual Meeting, Charlotte, NC (November 2011)

Adoption of Innovation in Cardiac Surgery

INFORMS Annual Meeting, Charlotte, NC (November 2011)

POMS Annual Meeting, Reno, NV (May 2011)

Does Multi-Tasking Make You More Productive

INFORMS Annual Meeting, Phoenix, AZ (October 2012)

POMS Annual Meeting, Chicago, IL (April 2012)

INFORMS Annual Meeting, Charlotte, NC (November 2011)

M&SOM Conference, Ann Arbor, MI (June, 2011)

POMS Annual Meeting, Reno, NV (May 2011)

The Impact of Universal Coverage on Hospital Operations: Evidence from Massachusetts

INFORMS Annual Meeting, Austin, TX (November 2010)
 POMS Annual Meeting, Vancouver, Canada (May 2010)
 The Effect of Focus on Performance: Evidence from California Hospitals
 INFORMS Annual Meeting, San Diego, CA (October 2009)
 Competing with the Focused Factory: Evidence from California Hospitals
 INFORMS Annual Meeting, Washington, DC (October 2008)
 An Econometric Analysis of Patient Flows in the Cardiac ICU
 Harvard Business School Doctoral Reading Workshop, MA (March, 2011)
 INFORMS Annual Meeting, Washington, DC (October 2008)
 INFORMS Annual Meeting, Seattle, WA (November 2007)
 The Impact of Work Load on Productivity: An Econometric Study of Healthcare Services
 POMS Annual Meeting, Dallas, TX (May 2007)
 INFORMS Annual Meeting, Pittsburgh, PA (November 2006)
 Capacity Investment under Competition: Evidence from U.S. Hospitals
 INFORMS Annual Meeting, San Francisco, CA (November 2005)

TEACHING EXPERIENCE

Goizueta Business School, Emory University, Atlanta, GA

| | |
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| Health Care Operations and Technology Management (Executive MBA) | (2014-present) |
| Management Science with Spreadsheets (MBA Elective) | (2012-present) |
| Advanced Topics in Operations (PhD) | (2018-present) |
| Health Care Operations and Technology Management (MBA Elective) | (2011- 2014) |
| Process and Systems Management (BBA Core) | (2009 - 2010) |

PROFESSIONAL EXPERIENCE

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|---|---------------|
| Oracle Corporation, Redwood Shores, CA <i>Software Engineering Project Leader, Enterprise Resource Planning Division</i> | 08/99 – 08/03 |
| Teradyne Inc., Boston, MA <i>ASIC Design Engineer</i> | 5/98 – 09/98 |

PROFESSIONAL ACTIVITIES

Membership: Institute for Operations Research and Management Sciences (INFORMS), Manufacturing and Service Operations Management Society (M&SOM), Production and Operations Management Society (POMS)

Service to Field

- Associate Editor *Manufacturing & Service Operations Management*
- Senior Editor *Production and Operations Management*
- Guest Associate Editor *Management Science*
- Reviewer for *Management Science, Operations Research, Manufacturing & Service Operations Management, Production and Operations Management, Journal of Operations Management.*
- Session Chair, INFORMS Annual Conference (2011 – 2021)
- Coordinator for POMS Doctoral Consortium, POMS Seattle (2017)
- Session Chair, Production and Operations Management Annual Conference (2009, 2010)
- Referee for M&SOM Conference (2012 – 2019)
- M&SOM Student Paper Competition Award Committee (2012 – 2019)

- Referee for POMS Healthcare Paper Competition Award (2013 – 2019)
- Dantzig Dissertation Award Committee (2012, 2013)
- Judge on Pierskalla Paper Competition on Healthcare Operations (2009, 2018)
- MSOM Service Management SIG Best Paper Award Committee (2017, 2018, 2019)
- Co-Chair, Healthcare SIG, M&SOM Annual Conference, Banff, Canada (summer 2020)

Service to Emory University and Goizueta Business School

- Healthcare Advisory Board, Goizueta Business School, Emory University (2012 – 2016)
- Research Committee, Goizueta Business School, Emory University (2009-2012, 2014)
- BBA Program Committee, Goizueta Business School, Emory University (2012 – 2014)
- Area Hightower Seminar Series Organizer (2010- 2017)
- Healthcare Search Committee (2017-2018)
- Launched Operations Management PhD program at Emory University (2017)
- Area Doctoral Program Coordinator (2017 – present)