

SHUBHAM AKSHAT

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EDUCATION

University of Maryland, College Park, MD, USA

2017 - 2022 (expected)

Ph.D. Candidate in Operations Management

Advisor: Dr. S. Raghavan

Robert H. Smith School of Business

Indian Institute of Technology (IIT) Delhi, India

2009 - 2013

Bachelor of Technology, Production & Industrial Engineering

RESEARCH INTERESTS

Fairness and Efficiency, Healthcare Operations, Empirical Research, Structural Estimation, Applied Probability.

RESEARCH PROJECTS

- Improving Broader Sharing to Address Geographic Inequity in Liver Transplantation** (with Liye Ma and S. Raghavan)
 - ***Revised and Resubmitted*** (after Major Revision) at *M&SOM*
 - ***Methodology:*** Econometrics (Structural model), Simulation
 - Accepted at the 2021 MSOM Healthcare SIG Meeting
 - Accepted at the 2021 Trans-Atlantic Doctoral Conference at the London Business School
 - Circulated earlier under the title, ‘Does Broader Sharing Improve Patient Outcomes? An Analysis of The Share 35 Liver Allocation Policy’
- Heterogeneous Donor Circles for Fair Liver Transplant Allocation** (with S. Raghavan and Sommer E. Gentry)
 - ***Minor Revision*** at *Health Care Management Science*
 - ***Methodology:*** Mixed-Integer Programming, Simulation
 - Finalist, INFORMS Public Sector Operations Research 2020 Best Paper Award
 - Honorable Mention, Best Paper Award Competition 2020, *College of Healthcare Operations Management (CHOM)*, *POMS*
 - Work invited to the Economics of Transplantation Workshop at the Stanford University (2020)
 - Selected for presentation at the 4th MD4SG workshop in August 2020 (Acceptance rate: 29%)
- Continuous Scoring Model for Fair Liver Transplant Allocation** (with S. Raghavan)
 - Working paper
 - ***Methodology:*** Probabilistic model, Mixed-Integer Programming, Simulation

TEACHING EXPERIENCE

(Online) Course Instructor

- Business Statistics (BMGT 230), Undergraduate course

Summer 2020

- Teaching Evaluation: **3.6/4.0**

Case Study Development

- Analytics Consulting (BMGT 434), Undergraduate course Summer 2020
- Based on the Heterogeneous Donor Circles for Fair Liver Transplant Allocation paper

Teaching Assistant

- Decision Modeling (BUSO 716), Core MBA course Summer 2021

AWARDS AND FELLOWSHIPS

Abraham Golub Dissertation Proposal Prize	2021
Jacob K. Goldhaber Travel Grant	2020, 2021
International Conference Student Support Award	2021
Finalist, INFORMS Public Sector Operations Research Best Paper Award	2020
Honorable Mention, Best Paper Award Competition, College of Healthcare Operations Management (CHOM), POMS	2020
Outstanding Graduate Assistantship Award	2020
Smith School Summer Fellowship	2018, 2019 and 2020

CONFERENCE PRESENTATIONS

Heterogeneous Donor Circles for Fair Liver Transplant Allocation

- POMS 2019 Conference (Washington, D.C.) 2019
- INFORMS Healthcare conference 2019 (Boston) 2019
- INFORMS 2019 Annual Meeting (Phoenix) 2019
- INFORMS 2020 Annual Meeting (Virtual) 2020

Improving Broader Sharing to Address Geographic Inequity in Liver Transplantation

- INFORMS 2020 Annual Meeting (Virtual) 2020
- POMS 2021 Conference (Virtual) 2021
- Trans-Atlantic Doctoral Conference 2021 at the London Business School 2021
- MSOM Healthcare SIG 2021 (Virtual) 2021
- INFORMS Healthcare conference 2021 (Virtual) 2021
- INFORMS 2021 Annual Meeting (Anaheim) 2021
- INFORMS 2022 Annual Meeting (Scheduled at Indianapolis) 2022

Continuous Scoring Model for Fair Liver Transplant Allocation

- INFORMS Healthcare conference 2021 (Virtual) 2021
- INFORMS 2021 Annual Meeting (Anaheim) 2021

WORK EXPERIENCE

Analyst, Max Institute of Healthcare Management (ISB Hyderabad, India)	March 2015 - July 2017
Solutions Engineer, Entercoms Inc. (Pune, India)	June 2013 - March 2015

POSITIONS OF RESPONSIBILITY

Association for Doctoral Students, Robert H. Smith School of Business:

- President 2020-2021
- Social Chair 2019-2020

SOFTWARE SKILLS

Programming Languages: Python, R, Julia
Solver & Software: Gurobi, Knitro, Tableau

REFERENCES

Dr. S. Raghavan (Dissertation Chair)
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