

Shivam Gupta

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Department of Supply Chain Management and Analytics
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EDUCATION

The University of Texas at Dallas, USA Ph.D. in Management Science	2011–2016
Indian Institute of Technology, Kanpur, India Master of Technology in Civil Engineering	2009–2011
Indian Institute of Technology, Kanpur, India Bachelor of Technology in Civil Engineering	2003–2007

WORK EXPERIENCE

Assistant Professor, College of Business, University of Nebraska Lincoln, USA, 2018–current.

Assistant Professor, McCoy College of Business, Texas State University, USA, 2016–2018.

Graduate Teaching Assistant, Naveen Jindal School of Management, The University of Texas at Dallas, USA, 2011–2016.

Graduate Research Assistant, Indian Institute of Technology, Kanpur, India, 2009–2011.

Assistant Project Manager, Jones Lang LaSalle Meghraj Consultants, India.

RESEARCH

PEER-REVIEWED JOURNAL PUBLICATIONS

- Shivam Gupta, Saurabh Bansal. 2021. Optimal Market Integration Decisions by Policy Makers: Modeling and Analysis of Agriculture Market Data. Forthcoming in **Operations Research**.
- Shivam Gupta, Shouqiang Wang, Milind Dawande, Ganesh Janakiraman. 2021. [Procurement with Cost and Non-Cost Attributes: Cost-Sharing Mechanisms](https://doi.org/10.1287/opre.2020.2060). **Operations Research**. <https://doi.org/10.1287/opre.2020.2060>

- Shivam Gupta, Milind Dawande, Ganesh Janakiraman, Ashutosh Sarkar. 2017. [Distressed Selling by Farmers: Model, Analysis, and Use in Policy-Making](#). **Production and Operations Management** 26(10) 1803–1818.
 - First Place in the INFORMS Public Sector OR Best Paper Competition 2015.
 - Finalist in the POMS SCM Student Paper Competition 2016.
 - Lead article in the Production and Operations Management October 2017 Issue.
- Shivam Gupta. 2016. [On a Modification of the VCG Mechanism and Its Optimality](#). **Operations Research Letters** 44(3) 415–418.
- Shivam Gupta, Wei Chen, Milind Dawande, Ganesh Janakiraman. 2015. [Optimal Descending Mechanisms for Constrained Procurement](#). **Production and Operations Management** 24(12) 1955–1965.
- Kalyanmoy Deb, Shivam Gupta, Joydeep Dutta, Bhoomija Ranjan. 2013. [Solving Dual Problems Using a Coevolutionary Optimization Algorithm](#). **Journal of Global Optimization** 57(3) 891–933.
- Kalyanmoy Deb, Shivam Gupta. 2011. [Understanding Knee-points in Bi-criteria Problems and Their Implications as Preferred Solution Principles](#). **Engineering Optimization** 43(11) 1175–1204.

PEER-REVIEWED CONFERENCE PUBLICATIONS

- Kalyanmoy Deb, Shivam Gupta. 2010. [Towards a Link between Knee Solutions and Preferred Solution Methodologies](#). In the proceedings of **Swarm, Evolutionary, and Memetic Computing** 182–189.

WORKING PAPERS

- Shivam Gupta, Anupam Agrawal, Jennifer K. Ryan. [Agile Contracting: Managing Incentives under Uncertain Needs](#). Under review.
- Wei Chen, Shivam Gupta, Milind Dawande, Ganesh Janakiraman. [3 Years, 2 Papers, 1 Course-Off: Optimal Non-Monetary Reward Policies](#). Under review.

TEACHING EXPERIENCE

University of Nebraska Lincoln

- Instructor, Business Analytics (Undergraduate) – 2 sections in Fall 2018; 2 sections in Fall 2019, 2 sections in Fall 2020, 2 sections in Fall 2021 (ongoing).

- Instructor, Prescriptive Analytics (Graduate/MBA) – 1 section in Spring 2019; 1 section in Spring 2020, 1 section in Spring 2021.

Texas State University

- Instructor, Business Statistics (Undergraduate) – 2 sections in Fall 2016; 2 sections in Spring 2017; 1 section in Fall 2017; 2 sections in Spring 2018.
- Instructor, Prescriptive Analytics (MBA) – 3 sections in Fall 2017; 2 sections in Spring 2018.

The University of Texas at Dallas

- Instructor, Business Statistics (Undergraduate) – 1 section in Fall 2014; 1 section in Summer 2016.
- Instructor, Operations Management (Undergraduate) – 1 section in Spring 2016.
- Teaching Assistant (2011–2016):
 - *Ph.D. Courses*: Game Theory, Optimization, Optimal Control Theory and Applications.
 - *Undergraduate/Graduate Courses*: Prescriptive Analytics, Logistics and Inventory Management, Business Statistics, Operations Management.

Professional Development Workshops Attended

- New Faculty Development Workshop, Texas State University, 2016–17.
- New Faculty Development Workshop, University of Nebraska Lincoln, 2018–19.
- Designing your Online Course Workshop, University of Nebraska Lincoln, 2018.

Mentoring and Supporting Students

- Writing Recommendation Letters for Students Applying to Graduate and Doctoral Programs.
- Consultation on the Capstone Project, Design Studio Students, Raikes School of Computer Science and Management, University of Nebraska Lincoln, 2021.

GRANTS, SCHOLARSHIPS AND RECOGNITIONS

Competitive Grants and Scholarships

- Faculty Development (Travel) Grant (\$7700), Texas State University, 2016, 2017.
- Summer Research Grant (\$10000), Texas State University, 2016.
- Research Enhancement Grant (\$8000), Texas State University, 2016.
- Betty and Gifford Johnson Scholarship (\$2500), The University of Texas at Dallas, 2015–2016.
- Graduate Studies Scholarship, The University of Texas at Dallas, 2011–2016.

Teaching Recognitions

- Rewarded the MBA Distance Teaching Award (Nominated by Students), University of Nebraska Lincoln, 2021.
- Nominated for College's Distinguished Teaching Award, University of Nebraska Lincoln, 2021.
- Nominated for College's Distinguished Teaching Award, University of Nebraska Lincoln, 2020.

Research Recognitions

- Ph.D. Dissertation Showcased in UTD's Spring 2018 Management Magazine.
- Finalist in the POMS SCM Student Paper Competition 2016, for the paper "*Distressed Selling by Farmers: Model, Analysis, and Use in Policy-Making*."
- First Place in the INFORMS Public Sector OR Best Paper Competition 2015, for the paper "*Distressed Selling by Farmers: Model, Analysis, and Use in Policy-Making*."

Academic Distinctions

- Academic Excellence, Indian Institute of Technology Kanpur, India, 2010.
- Top 2% in the Joint Entrance Examination for Indian Institutes of Technology, India, 2003.
- Top 1% of 27528 Candidates in Physics Olympiad, India, 2003.

INVITED SEMINARS AND TALKS

Procurement with Cost and Non-Cost Attributes: Cost-Sharing Mechanisms

- Supply Chain Management and Analytics, College of Business, University of Nebraska Lincoln, Lincoln, Nebraska (2017).
- Marketing & Supply Chain Management, Fox School of Business, Temple University, Philadelphia, Pennsylvania (2017).
- Special Interest Group, Supply Chain Management, MSOM Annual Meeting, Dallas, Texas (2018).

Distressed Selling by Farmers: Model, Analysis and Use in Policy-Making

- Operations Management, Gies College of Business, University of Illinois at Urbana-Champaign, Champaign, Illinois (2015).
- Operations Management, Indian School of Business, Hyderabad, Telangana (2015).
- Supply Chain Management, School of Business, University of Pittsburgh, Pittsburgh, Pennsylvania (2016).
- Department of CIS&QM, McCoy College of Business, Texas State University, San Marcos, Texas (2016).
- Economics, Finance & Quantitative Analysis, Coles College of Business, Kennesaw State University, Kennesaw, Georgia (2016).
- Project and Supply Chain Management, Black School of Business, Penn State Behrend, Erie, Pennsylvania (2016).

CONFERENCE PRESENTATIONS

Peer-Reviewed/Invited Presentations

- *3 Years, 2 Papers, 1 Course-Off: Optimal Non-Monetary Reward Policies*
 - 2021 INFORMS Annual Meeting (scheduled)
 - 2021 MSOM Annual Meeting (virtual)
- *Agile Contracting: Managing Incentives under Changing Needs and Two Types of Learning Effects*
 - 2021 POMS Annual Meeting (virtual)
 - 2020 POMS Annual Meeting (cancelled due to COVID-19)
- *Analyzing the Impact of One-Europe Policy on Agribusiness Markets.*
 - 2019 INFORMS Annual Meeting
- *Procurement with Cost and Non-Cost Attributes: Cost-Sharing Mechanisms.*
 - 2021 POMS Annual Meeting (virtual)
 - 2020 POMS Annual Meeting (cancelled due to COVID-19)
 - 2019 POMS Annual Meeting
 - 2018 INFORMS Annual Meeting
 - 2018 POMS Annual Meeting
 - 2018 DSI Annual Meeting
 - 2017 INFORMS Annual Meeting
 - 2017 POMS Annual Meeting
- *Distressed Selling by Farmers: Model, Analysis, and Use in Policy-Making*
 - 2019 Water for Food Global Conference
 - 2017 POMS Annual Meeting
 - 2016 POMS Annual Meeting
 - 2016 INFORMS Annual Meeting
 - 2015 INFORMS Annual Meeting
 - 2015 ISB-POMS Annual Workshop.
- *Optimal Descending Mechanisms for Constrained Procurement*
 - 2015 INFORMS Annual Meeting
 - 2014 MSOM Annual Meeting
 - 2013 INFORMS Annual Meeting

Contributed Presentations

- *On a Modification of the VCG Mechanism and Its Optimality*
 - 2014 INFORMS Annual Meeting
- *Understanding Knee-points in Bi-criteria Problems and Their Implications as Preferred Solution Principles:*
 - 2010 Swarm, Evolutionary, and Memetic Computing Conference

PROFESSIONAL SERVICE

Academic Conferences:

- Member, Scientific Committee, 2020 International Conference on Information Systems, Logistics and Supply Chain
- Track Chair: POMS 2021, POMS 2020
- Session Chair: POMS 2021, INFORMS 2019, POMS 2019, POMS 2018, DSI 2018
- Panelist on Job Market, Post-Proposal Doctoral Consortium, 2018 DSI Annual Meeting
- Member, Academic Organizing Committee, 2018 MSOM Annual Meeting

University of Nebraska Lincoln

- Coordinator, SCMA Guest Seminar Series (joint with Dr. Yingchao Lan) (Fall 2021)
- Member, Committee for Developing Supply Chain Workshops for High-School Students (2021)
- Member, Faculty Search Committee (2019)
- Member, Faculty Search Committee (2018)
- Panelist, “How to Survive the Job Search for PhD Students”, College of Business, University of Nebraska Lincoln (2019)

Texas State University

- Member, Faculty Search Committee, 2017.

PEER-REVIEW EXPERIENCE

Peer-Reviewer for Academic Journals:

- Management Science
- Manufacturing and Service Operations Management
- Production and Operations Management
- Journal of Operations Management

- Decision Sciences
- Decision Analysis
- Journal of Scheduling
- Transportation Research Part E: Logistics and Transportation Review
- Supply Chain Forum: An International Journal
- IEEE Transactions on Evolutionary Computation
- IEEE Transactions on Systems, Man, and Cybernetics: Systems

Peer-Reviewer for Academic Conferences:

- Manufacturing and Service Operations Management 2018
- Decision Sciences Institute 2019
- Information Systems, Logistics and Supply Chain 2020

SKILLS

Programming: C, Matlab, R, Mathematica, L^AT_EX.

Languages: English, Hindi.