

Suman Niranjana
BLB#338b -MLOM Department
G. Brint Ryan College of Business, University of North Texas
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EDUCATION

PhD in Engineering (Focus Area: Industrial & Human Systems Engineering) July 2008
Dissertation Title: A Study of Multi-Echelon Inventory Systems with Stochastic Capacity and Intermediate Product Demand
Department of Biomedical, Industrial & Human Factors Engineering
Wright State University, Dayton, Ohio.

M.S. in Engineering (Focus Area: Industrial and Human Factors Engineering) August 2005
Department of Biomedical, Industrial & Human Factors Engineering,
Wright State University, Dayton, Ohio.

Bachelor of Engineering program in Electronics and Communication June 2003
Visveswaraya Technological University, Belgaum, India.

ACADEMIC EXPERIENCE/POSITIONS HELD

G. Brint Ryan College of Business, University of North Texas Aug 2019 -Present
Assistant Professor of Logistics, MLOM Department

College of Business Administration, Savannah State University Jan 2019 -July 2019
Interim Associate Dean, College of Business Administration

College of Business Administration, Savannah State University August 2015 -July 2019
Associate Professor with Tenure, Logistics and Supply Chain Management
Coordinator of Global Logistics and International Business (G-LIB)

College of Business Administration and College of Science and Technology - Savannah State University (SSU) June 2015 -July 2019
Director Interdisciplinary Transportation Studies and Data Analytics
Coordinator of Transportation and Data Analytics Certificate program

College of Business Administration, Savannah State University August 2017-July 2019
Director of Global Logistics and International Business
Education and Research (G-LIBER) Center of Excellence

Engineering Technology, College of Science and Technology August 2017-July 2019
Joint Faculty Appointment in Engineering Technology

Indian Institute of Management – Indore, Indore, India June 2015-Present
Visiting Faculty

College of Business Administration, Savannah State University May 2010-July 2015
Assistant Professor, Operations Management

College of Business Administration, Savannah State University October 2011 – July 2017
Founding Director and Co-Director of G-LIBER Center of Excellence

School of Management, State University of New York-Binghamton, NY August 2008-May 2010
Visiting Assistant Professor, Supply Chain Management

Systems Management and Control Lab, Department of Biomedical, January 2004- July 2008
Industrial, and Human Factors Engineering, Wright State University
Graduate Research Assistant

RESEARCH INTERESTS

Distracted Driving, Large Scale Supply Chain Network Optimization, Inventory Optimization, Service Operations Management, Simulation Optimization applied to Logistics and Supply Chain (LSC), linear and Non-linear Optimization Applied to LSC, Peer-2-Peer Asset Sharing/Shared Economy Applied to Operations, Supply Chain Collaboration/Integration, and Additive Manufacturing/

TEACHING INTERESTS

Operations Management, Global Operations Management, Business Strategies in Emerging Markets, Business Statistics, Quantitative Methods, Statistics for Data Science, Logistics and Supply Chain Management, Discrete Event Simulation, Operations Research, and Quality Control.

AWARDS & HONORS

- **Outstanding Service Award** by Department of Logistics and Operations Management – April 2023
- **USG (University System of Georgia) Chancellor's Learning Scholar for AY 2018-19 – Nominated and Approved by USG** (26 institutions in USG system submitted faculty nominations and about 100 faculty learning communities will be led by faculty selected as Chancellor's Learning Scholars)
- **Gambrinus Fellowship - Visiting Scholars at TU Dortmund University - May 2018** awarded by Central Scientific Institutions- TU Dortmund University, Dortmund, Germany.
- **Presidents Faculty Award for Innovation & Excellence** awarded by Savannah State University President, April 2017
- **Excellence in Teaching Award** awarded by The National Society of Leadership and Success at Savannah State University in December 2015.
- **Best Conference Paper Award** "Earnings Management, Weak Internal Controls and Firm Size" (Co-author Y. Jahmani) at The International Academy of Business and Public Disciplines (IABPAD) Winter Conference 2015 in Orlando, Florida.
- **STAR (Steps Toward Academic Research) Fellowship Award 2014-15** from University of North Texas Health Science Center.
- **Best Student Paper Award**, 10th Annual International Conference for Society of Operations Management, 2006.

- **Graduate Research Assistantship Award** (Awarded in Fall 2004, for a period of three academic years)

PROGRAMS INITIATED

- College of Business Administration – SSU- ***BBA in Global Logistics and International Business*** – Fall 2013
- College of Sciences and Technology (Lead College) - Engineering Technology Department - ***Certificate Program in Interdisciplinary (Engineering, Urban Studies, and Business) Transportation Studies*** (Spearheaded the effort between three colleges at SSU- COST, COBA and CLASS) – Spring 2016. (***Interdisciplinary: Courses from Transportation Engineering, Urban Studies & Planning, and Business Logistics***)
- College of Business Administration (Lead College) – SSU- ***Certificate Program in Interdisciplinary Data Analytics*** (Spearheaded the effort between three colleges at SSU- COST, COBA and CLASS) – Fall 2018 (***Interdisciplinary: Courses from Business-Information Systems and Operations, Marine Sciences, Computer Science and Transportation Engineering, Mathematics, Urban Studies & Planning***)

REFERRED JOURNAL PUBLICATIONS (ACCEPTED/PUBLISHED)

[Google Scholar Link for Suman Niranjana](#) (Citations: 498, h-index: 10; i10-index: 11)

of Premier Publications and A* (ABDC ranking): 2 (JBL¹ and Decision Sciences)

of A-Level Publications (ABDC ranking): 9

of first author publications: 10

second author publications: 7

of publications advising doctoral students: 5

of publications after Fall 2019 (joining of DLOM-RCOB-UNT): 11

1. S. Bani Hani, B. Sauser, **S. Niranjana**, and T. Willoughby. "A Study of Key Factors That Influence and Enable Patient Empowerment: A Systems Approach". *Forthcoming in Systems Research and Behavioral Science*. (Doctoral Student Paper). (A-Level in ABDC)
2. V. Garg, **S. Niranjana**, V. Prybutok, D. Gligor, and T. Pohlen. "Last-Mile Delivery Aided by Drone: A Systematic Review of Literature and Research Directions ". *Forthcoming in Transportation Research-Part D*. (2023). (Doctoral Student Paper). (A-Level in ABDC)
3. K. Patil, V. Garg, J. Gabaldon, H. Patil, **S. Niranjana**, and T. Hawkins. "Firm Performance in Digitally Integrated Supply Chains: A Combined Perspective of Transaction Cost Economics and Relational Exchange Theory". *Forthcoming in Journal of Enterprise Information Management*. (2023) (A-Level in ABDC)

¹ JBL: Journal of Business Logistics considered as Premier Journal in Department of Logistics and Operations Management (DLOM)-Ryan College of Business (RCOB)

4. Y. Idug, **S. Niranjana**, I. Manuj, D. Gligor and J. Ogden. "Do ride-hailing drivers' psychological behaviors influence operational performance?" *Forthcoming in International Journal of Operations and Production Management*. (Doctoral Student Paper) (A-Level in ABDC)
5. T. Hawkins, M. Wittmann, M.J. Gravier, **S. Niranjana**, and W. A. Muir. "Why Did I Lose? The Role of Debriefing Quality in Supplier Development and Loss Attributions". *Journal of Purchasing and Supply Management*. (2023). 29(1). (A-Level in ABDC)
6. S. Hong, W. Kim, and **S. Niranjana**. "Challenges to the Air Cargo Business of Combination Carriers with Environmental and Exogenous Influences". *Journal of Air Transport Management*. (2023). 108, 102360. (B-Level in ABDC)
7. H. Patil, **S. Niranjana**, G. Narayanamurthy, and A. Narayanan. "Investigating Contingent Adoption of Additive Manufacturing in Supply Chains". *International Journal of Operations and Production Management*. (2023). 43(3), 489-519. (Doctoral Student Paper) (A-Level in ABDC)
8. T. Hawkins, M. Gravier, T. Farris, **S. Niranjana**, and U. Ekezie, and "Relevance of Logistics and Supply Chain Management Research: Exploring Underlying Motivation". *Journal of Business Logistics*. (2022). 43(4), 654-678. (A-Level in ABDC) - Premier Journal for Department of Logistics and Operations Management (LOM)-UNT
9. **S. Niranjana**, J. Gabaldon, T. Hawkins, V. Gupta and M. McBride. "The Influence of Personality and Cognitive Failures on Distracted Driving among Young Adults". *Transportation Research Part F: Traffic Psychology and Behaviour*. (2022). 84 (1), 313-329. (A-Level in ABDC)
10. Hawkins, T. G., Gravier, M. J., & **Niranjana, S.** "Predicting bid protests: What should sourcing teams (not) do?". *Journal of Business & Industrial Marketing*. (2022). 37(4), 859-873. (A-Level in ABDC)
11. **S. Niranjana**, V. K. Gupta, and E. Markin. "Entrepreneurial Orientation and Firm Performance: The Mediating Role of Acquisitive Learning and Generative Learning through Customer Relationships". *Review of Managerial Science*. (2020). 14, 1123-1147. (First Two Authors Contributed Equally Printed in the Manuscript) (5-year impact factor 5.8; SCImago Journal Rank (SJR) 1.312)
12. **S. Niranjana**, S. R. Spulick and, K. Savitskie. "Mediating and moderating influencers of firm performance: Supply chain managers perspective". *Journal of Enterprise Information Management*. 2018. 31(1), 38-63. (A-Level in ABDC)
13. N. Jain and **S. Niranjana**. "Analysis of Heterogeneous Indian Auto Component Replacement Suppliers: A Perspective on Simultaneous Entry". *Operations and Supply Chain Management: An International Journal*. 2017. 10 (2) 81-99. (C-Level in ABDC)
14. Y. Jahmani, **S. Niranjana** and S. Toney. "Earnings Management in Recession and Recovery Periods". *Margin: The Journal of Applied Economic Research*. 2016. 10 (2) 264-280. (C-Level in ABDC)
15. F.W. Ciarallo, **S. Niranjana** and N. Brown. "A Salt Inventory Management Strategy for Winter Maintenance". *Operations and Supply Chain Management: An International Journal*. 2016. 9 (1). 32-49. (C-Level in ABDC)
16. V. K. Gupta, **S. Niranjana**, A.B. Goktan, and J. Eriskon. "Role of Individual Entrepreneurial Orientation in Shaping Reactions to New Technologies". *International Entrepreneurship and Management Journal*. 2016. 12 (4). 935-961. (C-Level in ABDC)

17. **S. Niranjana**, J. Wu, and C. Jenner. "Predictors of Success and Academic Performance: A Historically Black Business School Perspective". *International Journal of Education Research*. 2015. 10 (2). 1-21.
18. **S. Niranjana** and Y. Jahmani. "Earnings Management, Weak Internal Controls, and Firm Size". *Accounting and Taxation*. 2015. 7 (2). 57-64. (Authors Contributed Equally-Printed in the Manuscript) (C-Level in ABDC)
19. **S. Niranjana** and F.W. Ciarallo "Properties of optimal order-up-to levels for the newsvendor problem with random capacity: Special cases of demand". *International Journal of Advanced Operations Management*. 2014. 6 (4). 353-376. (3-year Impact score of 1.96)
20. **S. Niranjana**, S. B. Ellore, and U.J. Brown III. "The Influence of Internet Usage on Academic Performance and Face-to-Face Communication". *Journal of Psychology & Behavioral Science*. 2014. 2(2). 163-186.
21. C. A. King, J. Wu, and **S. Niranjana** "The Effects of Social Support and Self-Efficacy on Depression of College Students". *International Journal of Liberal Arts and Social Science*. 2014. 2(3). 51-64.
22. **S. Niranjana**, V. K. Gupta, A.B. Goktan, G. Gunay, Y.H. Cheung and A. Pareek. "Cultural Value Orientation: Measurement Invariance in a Multi-Country Sample". *Journal of Managerial Issues*. 2013. 25(3). 264-283. (C-Level in ABDC)
23. **S. Niranjana** and F. W. Ciarallo. "Impact of Inventory Allocation Policies on Downstream Supply Variability in a Multi-echelon System". *International Journal of Business Performance and Supply Chain Modelling*. 2013. 5(4). 401-429.
24. **S. Niranjana** and F. W. Ciarallo. "Supply performance in multi-echelon inventory system with intermediate product demand: A perspective on allocation". *Decision Sciences*. 2011. 42(33). 575-617. (A*Level in ABDC)
25. V. K. Gupta, R. Huang and **S. Niranjana**. "A longitudinal examination of the relationship between team leadership and performance". *Journal of Leadership & Organizational Studies*. 2010. 17(4). 335-350. (B-Level in ABDC)

JOURNAL PUBLICATIONS (UNDER REVIEW AND WORKING)

of Premier Journal Submissions and A* (ABDC ranking): 2 (TRE, TRA)

of A-Level Publications (ABDC ranking): 9

of first author publications: 2

second author publications: 4

of publications advising doctoral students: 8

1. Y. Idug, D. Gligor, J. Porchia, **S. Niranjana**, I. Manuj, and D. Nowcki. "Exploring the Impact of Rider-Driver Ethnicity Match/Mismatch in Ridehailing" *First Round of Revise and Resubmit International Journal of Physical Distribution and Logistics Management- IJPDLM-01-2023-0056- Second Round of Revise and Resubmit (A-Level in ABDC). (Doctoral Student Paper).*
2. **S. Niranjana**, P. Salwan, J. Gabaldon, and I. Korovyakovskaya. "Influence of Communication Style and Multitasking Behavior on Academic Performance of College Students: Two Country

- Perspective". *Submitted to International Journal of Educational Methodology- IJEM-09-2022-0341. Second Round of Revise and Resubmit. (B-Level in ABDC).*
3. S. Sondhi, P. Salwan, A. Bhel, **S. Niranjana**, and T. Hawkins. "Evaluation of strategic orientation-led competitive advantage using mixed method approach: The role of knowledge integration and service innovation". *Submitted to Journal of Knowledge Management-JKM-07-2023-0660-Currently under second round of revise and resubmit (A-Level in ABDC). (Doctoral Student Paper)*
 4. S. Abhishek, M. Arqum, G. Narayanamurthy, and **S. Niranjana** "Impact of Gray Markets on Strategic Channel Choice and Social Welfare". *Submitted to Annals of Operations Research-ANOR-D-22-00898- First Round of Revise and Resubmit. (A-Level in ABDC)*
 5. T. Hawkins, M.J. Gravier, **S. Niranjana**, and M. Douglas. "Why Empower Your Buyer? Antecedents and Consequences of Buyer Authority". *Journal of Purchasing and Supply Management- PURSUP-D-23-00343. (A-Level in ABDC).*
 6. V. Garg, **S. Niranjana**, R.Rana, V. Prybutok, and T.Pohlen. "Decoding the Dynamics of Drone-Based Last-Mile Medical Deliveries - An Acceptance Policy Analysis with Focus on Gender Differences" *Submitted to Transportation Research-Part A-YTRA-D-23-01767. (A*-Level in ABDC) (Doctoral Student Paper)*
 7. T. Hawkins, Y. Idug, F. Caliskan, **S. Niranjana**, and M.J. Gravier. "Buyer Reputation: A Blind Spot in Buyer-Supplier Relationships" *Submitted to International Journal of Physical Distribution & Logistics Management-IJPDLM-11-2023-0429. (A-Level in ABDC).*
 8. V. Garg, J. Gabaldon, and **S. Niranjana** "Impact of AI and ML on Performance Measures in B2B and B2G Logistics and Supply Chain Management Operations: A Multi-Method Approach" *Submitted to Transportation Research-Part E- TRE-D-23-01498. (A*-Level in ABDC) (Doctoral Student Paper)*
 9. S. Sondhi, P. Salwan, A. Bhel, and **S. Niranjana**. "Exploring Interplay of Innovation in Service and Service Delivery: Dynamic Capability Creation for Value Generation ". *Submitted to Technovation - TECHNOVATION-D-23-01077. (A-Level in ABDC) (Doctoral Student Paper)*
 10. V. Garg, **S. Niranjana**, V. Prybutok, D. Gligor, and T.Pohlen. "Drone Services Technology Adoption for Last-Mile Delivery: A Perspective on Medical Supplies". *Submitted to Technological Forecasting & Social Change- TFS-D-23-03060. (A-Level in ABDC) (Doctoral Student Paper)*
 11. J. Gabaldon, **S. Niranjana**, T.Hawkins, K. Savitskie, and M. McBride. "Analyzing Protection Motivation Theory and Cognitive Failures in Texting While Driving Behavior Among Young Drivers". *Submitted to Applied Cognitive Psychology. ACP-23-0275. (B-Level in ABDC) (Doctoral Student Paper)*
 12. J. Gabaldon, **S. Niranjana**, and T.Hawkins. "Enhancing Safety Awareness and Neutralizing Distractions: Investigating the Impact of Polychronicity on Distracted Driving Behavior in Young Adults". *Submitted to Transportation Research-Part F- TRF-D-23-0119. (A-Level in ABDC) (Doctoral Student Paper)*
 13. **S. Niranjana**, H. Patil, K. Savitskie, T. Hawkins, S. Hong, and S. Bani Hani. "Does use of digital technology and supply chain integration tools help improve firm performance and partner satisfaction?" *Submitted to International Journal of Logistics Management - IJLM-05-2022-0212- Currently under Reject and Resubmit. (A-Level in ABDC).*

GRANTS (Funded)

Total Funding Received as a PI/Co-PI: ~\$2.3M

Total Funding Received as Lead PI/MPI: ~\$1.52M (~1.05M after joining RCOB-UNT)

1. Lambright, Jonathan (Principal); **Niranjan, Suman (Co-Principal)**. "Targeted Infusion Project in Interdisciplinary Transportation Studies (TIP-ITS)", Sponsored by **National Science Foundation, Federal, \$399,548 – Submitted January 26th - Funded- June 15th, 2015- May 31st, 2018.**
2. Lambright, Jonathan (Principal); **Niranjan, Suman (Co-Principal)**. "Targeted Infusion Project in Interdisciplinary Transportation Studies (TIP-ITS)", Sponsored by National Science Foundation, Federal, Supplement Funding **for \$78,276 – Funded- September 15th, 2015- May 31st, 2018.**
3. **Niranjan, Suman (Principal)**; Chen, Qian (Co-Principal); Oakley, Richelle (Co-Principal). "Targeted Infusion Project in Interdisciplinary Data Analytics (TIP-IDA)" Sponsored by National Science Foundation, Federal, **– \$399,974 – Funded May 15th 2017-April 30th 2020.**
4. Yousuf, Asad (Principal); **Niranjan, Suman (Co-Principal)**; Mustafa, Mohammad (Co-Principal); Mir, Hayder (Co-Principal); Prasad, Manoj (Co-Principal). "eCYBERMISSION" Sponsored by U.S. Army Educational Outreach Program, Federal, **- \$39,817.20 - Funded June 2018 - May 2019.**
5. **Niranjan, Suman (Principal)**; Chowdhury, Abhinandan (Co-Principal); Butler-Lamar, Shetia (Co-Principal). "Targeted Infusion Project in Interdisciplinary Data Analytics (TIP-IDA)" Sponsored by National Science Foundation, Federal, **Supplement– \$78,921 – Funded July 9th 2019-April 30th 2020.**
6. Hawkins, Tim (Principal); **Niranjan, Suman (Principal)**. "The Role of Collaboration Activities and Digital Integration Tools on Firm Performance: Perspective of Supply Chain Managers". Sponsored by G. Brint Ryan College of Business, UNT-Internal, **\$10,000 – Submitted May 2021- Funded from June 2021 to May 2022.**
7. **Niranjan, Suman (Principal)**; Narayanan, Arunachalam; Sauser, Brian; Scott, Warren; Vaidyanathan, Vijay. "Pilot Project: Understanding if the Forklift Operators are Following Best Practices" Sponsored by UNT - Jim McNatt Institute of Logistics & Center for Integrated Intelligent Mobility Systems (CIIMS), \$10,000 – **Funded September 2020-September 2021**
8. **Niranjan, Suman (Principal)**; Narayanan, Arunachalam (Co-Principal); Sauser, Brian (Co-Principal); Vaidyanathan, Vijay (Co-Principal). "Predicting Driver Distractions using Psychological and Physiological Characteristics " Sponsored by Research Seed Grants UNT – Office of Research and Innovation, \$8,000 – **Funded December 2020-September 2021**
9. **Niranjan, Suman (Principal)**; Narayanan, Arunachalam (Co-Principal); "Modeling and Simulation of Multi-Echelon CPE Materials Flow and Returns handling process at Shaw Communications". Sponsored by Shaw Communications Inc., Private Industry, **\$18,410. Submitted May 17th 2021. – Funded December 2021-September 2022**
10. **Niranjan, Suman (Principal)**; Narayanan, Arunachalam (Co-Principal); Warren, Scott (Co-Principal); Yang, Qing (Co-Principal). "FW-HTF-P: Using Technology to Understand Future Industrial Operator Distractions within Logistics and Material Handling Industry" Sponsored by National Science Foundation, Federal, **\$149,993 – Submitted March 23rd, 2022 – Funded September 2022 to Present**
11. **Niranjan, Suman (Principal)**; Narayanan, Arunachalam (Co-Principal); Sauser, Brian (Co-Principal). "Predicting Driver Distractions using Psychological and Physiological Characteristics: A Simulation" Sponsored by G. Brint Ryan College of Business, UNT-Internal, **\$10,000 – Submitted May 2022-Funded from June 2022 to May 2023.**

12. Narayanan, Arunachalam (Co-Principal); **Niranjan, Suman (Co-Principal)**. "Role of Diversity, Equity, and Inclusion on Supply Chain Performance and Re-shoring Decision" Sponsored by G. Brint Ryan College of Business, UNT-Internal, **\$10,000 – Submitted May 2022-Funded from June 2022 to May 2023.**
13. Hawkins, Tim (Principal); **Niranjan, Suman (Co-Principal)**. "Antecedents and Consequences of Sourcing Strategy Appropriateness in Public". Sponsored by G. Brint Ryan College of Business, UNT-Internal, **\$10,000 – Submitted May 2022-Funded from June 2022 to May 2023.**
14. **Niranjan, Suman (Multiple Principal Investigator-MPI)**; Shen, Chan (MPI); Torres, Russell (Co-Principal); "Evaluating Bias in Predictive and Explainable ML Algorithms Among Older Adults with Cancer" Sponsored by National Institute of Health, Sub-Awarded by UNTHSC AIM-Ahead, Federal, **\$837,907 – Submitted August 24th, 2022– Funded September 2022 to Present**
15. Sauser, Brian (Principal); **Niranjan, Suman (Co-Principal)**; "Modeling and Simulation of the Empowerment of the Patient Healthcare Process" Sponsored by StratiFi Health, Private Industry, **\$20,196.00 – Funded July 2019 – May 2023.**

DOCTORIAL STUDENT ADVISOR

University of North Texas – Ryan College of Business

1. **Sean McConville**, Dissertation Committee Chair, Logistics, and Operations Management, UNT (June 2021 -May 2023). *Currently: Deployed in Qatar, will join Airforce Institute of Technology in Fall 2024 as Assistant Professor for Supply Chain.*
2. **Janeth Gabaldon**, Dissertation Committee Chair, Logistics, and Operations Management, UNT (August 2019 -August 2023). *Currently: Clinical Assistant Professor for Supply Chain at University of Arkansas.*
3. **Himali Patil**, Dissertation Committee Chair, Logistics, and Operations Management, UNT (August 2019 -August 2023). *Currently: Clinical Assistant Professor for Supply Chain at Texas Tech University.*
4. **Saad Bani Hani**, Dissertation Committee Co-Chair, Logistics, and Operations Management, UNT (August 2019 – December 2023). *Currently: Visiting Assistant Professor for Supply Chain at Miami University-Ohio.*
5. **Jamie Porsha**, Dissertation Committee Member, Logistics, and Operations Management, UNT (June 2021 – August 2023)
6. **Vipul Garg**, Dissertation Committee Chair, Logistics, and Operations Management, UNT (August 2020 -Present).
7. **Setareh Daneshgar**, Doctorial Level Supervised Research, Logistics, and Operations Management, UNT (August 2020 -Present).
8. **Yavuz Idug**, Doctorial Level Supervised Research, Logistics, and Operations Management, UNT (August 2020 -Present).
9. **Pranay Prateek**, Doctorial Level Supervised Research, Information Technology and Decision Sciences, UNT (August 2021 -December 2022).
10. **Smriti Srivastava**, Doctorial Level Supervised Research, Logistics, and Operations Management, UNT (August 2021 -December 2022).
11. **Saban Adana**, Dissertation Committee Member, Marketing, Logistics, and Operations Management. (October 2019 – August 2020).

Indian Institute of Management – Indore, India

1. **Sundeep Singh Sondhi**, Doctorial Level Supervised Research, Department of Marketing, IIM-Indore, India (August 2020-Jan 2023).

WORKING JOURNAL PAPERS

1. T. Hawkins, S. McConville, **S. Niranjana**, D. Finkenstadt, and J. Porchia. "Antecedents and Consequences of Sourcing Strategy Appropriateness in Public Procurement". *Target Journal: International Journal of Operations and Production Management*. (A-Level in ABDC).
2. J. Gabaldon, **S. Niranjana**, V. K. Gupta, and T. Hawkins. "Systematic Review of Self-Response Survey Studies on Distracted Driving Behavior". *Target Journal: Transportation Research Part F*.
3. A. Narayanan, **S. Niranjana**, and J.A. Verghese. "Exploring the Impact of Gender, Diversity and Inclusion on Re-shoring Decisions: A perspective on Large Cap Firms". *Target Journal: International Journal of Operations and Production Management*. (A-Level in ABDC)
4. **S. Niranjana**, J. Gabaldon, A. Narayanan, B. Sauser, and W. Scott. "Understanding if the Forklift Operators are Following Best Practices". *Target Journal: Transportation Research Part E: Logistics*. (A*-Level in ABDC)
5. **S. Niranjana**, J. Gabaldon, V. Garg, A. Narayanan, and B. Sauser. "Predicting Driver Distractions using Psychological and Physiological Characteristics: A Driver Simulation Approach". *Target Journal: Journal of Applied Psychology*. (A*-Level in ABDC and FT50)
6. H. Patil, **S. Niranjana**, A. Narayanan, and G. Narayanamurthy. "What is the impact of AM adoption on process innovation and product innovation capability of a value stream?". *Target Journal: Journal of Product Innovation Management*. (A*-Level in ABDC)
7. H. Patil, **S. Niranjana**, A. Narayanan, G. Narayanamurthy. "The impact of AM adoption on Supply Chain Responsiveness and Reshoring". *Target Journal: International Journal of Production Economics*. (A-Level in ABDC)
8. H. Patil, **S. Niranjana**, A. Narayanan, and G. Narayanamurthy. "The impact of AM adoption on Supply Chain Resiliency, Flexibility, and Complexity: the role of absorptive capacity". *Target Journal: International Journal of Logistics Management*. (A-Level in ABDC)
9. S. Bani Hani, **S. Niranjana**, and B. Sauser. "The role of Telehealth in Patient Empowerment: A Pharmacy Services Perspective". *Target Journal: Health Care Management Review*. (A-Level in ABDC)
10. S. Bani Hani, **S. Niranjana**, A. Narayanan, and B. Sauser. "Optimizing Resource sharing and Cost across multiple Patient Empowerment Processes: A Case-Study in Pharmacy Services Industry". *Target Journal: Annals of Operations Research*. (A-Level in ABDC)
11. **S. Niranjana**, S. Daneshgar, J. Gabaldon, P. Rajagopal, and T. Hawkins. "Antecedents of Mind-Wandering and its influence on Distracted Driving Among Young and Older Adults: Role of Planned Behavior". *Target Journal: Transportation Research Part F: Psychology and Behavior*. (A-Level in ABDC)
12. V. Garg, M. Koutha, V. Prybutok, D.M. Gligor, and **S. Niranjana**. "The Utilization of Virtual Reality for Increased Organizational Commitment", *Target Journal: Journal of Business Research (JBR)*. (A-Level in ABDC)
13. V. Garg, J. Gabaldon, **S. Niranjana**, V. Prybutok, and T. Pohlen. "Role of Convenience in Last-mile Delivery: A drone perspective", *Target Journal: Journal of Consumer Behavior*. (A-Level in ABDC)

14. V. Garg, **S.Niranjan**, M.Koutha, , V.Prybutok and D.M.Gligor. “Drone-Aided Medical Supplies Delivery: The Application of Expectancy Theory for Motivation to Use Drones”, *Target Journal: Decision Sciences*. (A*-Level in ABDC)
15. S.McConville, **S. Niranjan**, and A. Narayanan. “Equating the Needs of the Few and the Needs of the Many: Empirical Tools Towards Supply Chain Alignment” *Target Journal: Journal of Business Logistics*. (A-Level in ABDC and Premier Journal for DLOM-RCOB)
16. S.McConville, **S. Niranjan**, and A. Narayanan. “Giving Back to go Forward: Aligning Processes and Maximizing Value in the Reverse Supply Chains” *Target Journal: Annals of Operations Research*. (A*-Level in ABDC)

PEER REVIEWED BOOK CHAPTERS (ACCEPTED/PUBLISHED)

1. V. Marshall and **S. Niranjan**. “Domestic Violence in College Students: The Effects of Male Dominance and Substance Abuse”. in Anshu Arora (ed.), *International Marketing and Management Research Series, International Business Realisms: Globalizing Locally Responsive and Internationally Connected Business Disciplines*, Palgrave Macmillan, 2014, New York, NY, pp. 1-15. (**MBA Student Paper**)
<http://www.palgrave.com/products/title.aspx?pid=758590>
2. A. Arora, J. Wu, **S. Niranjan**, R. Leseane, S. Bradford and H. Y. Choi. “The Global Logistics and International Business 2.0 - Curriculum Internationalization Experience” in Anshu Arora (ed.), *International Marketing and Management Research Series, Global Business Transcendence: International Perspectives Across Developed and Emerging Economies*, Palgrave Macmillan, 2013, New York, NY, pp. 1-17.
<http://www.palgrave.com/products/title.aspx?pid=708938>

TECHINICAL REPORTS

1. F.W. Ciarallo, N. Brown, and **S. Niranjan**, “Enhancement of Winter Maintenance Material ordering and Inventory”, Ohio Department of Transportation and Federal Highway Administration Technical Report, Report Number FHWA/OH-2009/1, March 2009
<ftp://ftp.mdt.mt.gov/research/LIBRARY/FHWA-OH-2009-1.PDF>

PANNEL PRESENTATION

1. Moderator: Terry Esper (Ohio State), Marat Davletshin (Colorado State), Justin Kistler (Tennessee), **Suman Niranjan (University of North Texas)**, Lance Saunders (Tennessee), and Annibal Sodero (Ohio State). *Emerging Research Methods, 17th Annual Logistics Doctoral Symposium, Iowa State University, Ames, Iowa*.
2. Moderator: Beth Davis-Sramek (Auburn University), Ellie Falcone (The University of Oklahoma), **Suman Niranjan (University of North Texas)**, Alex Scott (University of Tennessee), Annibal Sodero (The Ohio State University). *Emerging Research Methods, 18th Annual Logistics Doctoral Symposium, University of North Texas, Denton, Texas*.

PEER REVIEWED CONFERENCE PUBLICATIONS (ACCEPTED/PUBLISHED)

1. S McConville, **S Niranjana**, A. Narayanan, and J. Murry. "A Hybrid Simulation of Product Reconditioning: A Case Study". *Proceedings. of the 2023 Winter Simulation Conference, San Antonio, TX*.
2. TG Hawkins, S McConville, J Porchia, **S Niranjana**, and DJ Finkenstadt. "Antecedents and Consequences of Sourcing Strategy Appropriateness in Public Procurement" *Proceedings. of the 2023 Annual Acquisition Research Symposium, Monterey, CA*.
3. H. Patil, **S. Niranjana**, and A. Narayanan. "Influence of Additive Manufacturing on Supply Chain Resilience: An Empirical Analysis", *Proceedings. of the 2022 SWDSI Annual Conference (also known as Federation of Business Disciplines), New Orleans, Louisiana*.
4. H. Patil, **S. Niranjana**, and A. Narayanan. "Influence of Additive Manufacturing on Supply Chain Characteristics". *Proceedings of 2020 CSCMP Academic Research Symposium, Virtual Conference*.
5. **S. Niranjana** and F. W. Ciarallo. "Inventory Optimization of Multi-Echelon Networks in Presence of Intermediate Product Demand". *Proceedings. of the 2018 Winter Simulation Conference, Gothenburg, Sweden*.
6. S. Niranjana. "A Study of Remanufacturing System in Presence of Unreliable Supply of New Products". *Proceedings. of the 2017 Winter Simulation Conference, Las Vegas, NV*.
7. V. K. Gupta, **S. Niranjana**, A.B. Goktan, and J. Eriskon. "Individual Entrepreneurial Orientation Role in Shaping Reactions to New Technologies". *Proceedings. of 2015 Americas Conference on Information Systems, Puerto Rico*.
8. S. Agnihotri and **S. Niranjana**. "Optimal Server Back-Up Decisions with Travel Time". *Proceedings. of 2015 South East Decision Sciences Conference, Savannah, GA*.
9. Y. Jahmani and **S. Niranjana**. "Earnings Management, Weak Internal Controls and Firm Size". *Proceedings. of 2015 the IABPAD Conference, Orlando, Florida*. – **Best Conference Paper Award**
10. S. Agnihotri and **S. Niranjana**. "Optimal Queue Length-Based Server Sharing Decisions in Field Services". *Proceedings. of 2014 Winter Simulation Conference (INFORMS and IEEE Simulation Society), Washington, DC*.
11. S. Agnihotri and **S. Niranjana**. "Optimal Time-based Server Redeployment Policies in Field Services". *Proceedings. of 2014 Decision Sciences Institute, Tampa, FL*.
12. N. Kulkarni and **S. Niranjana**. "Multi-Echelon Network Optimization of Pharmaceutical Cold Chains: A Simulation Study". *Proceedings. of 2013 Winter Simulation Conference 2013 (IEEE), Washington, DC*.
13. **S. Niranjana** and N. Kulkarni. "A Simulation Study of Pharmaceutical Cold Chains with Information Sharing". *Proceedings. of 2013 Decision Sciences Institute, Baltimore, MD*.
14. C. Jenner, **S. Niranjana** and J. Wu. "Predictors of Success and Academic Performance: A Historically Black Business School Perspective". *Proceedings. of 2013 Academy of International Business Southeast, Atlanta, GA. (Graduate Student Paper)*

15. C. A. King, J. Wu, and **S. Niranjan** "Social Support, Self-Efficacy and Depression of College Students". *Proceedings. of 2013 Academy of International Business Southeast*, Atlanta, GA. **(Graduate Student Paper)**
16. Y. Yao, J. Wu, and **S. Niranjan** "Antecedents and Effects of Job Motivation and Job Satisfaction". *Proceedings. of 2013 Academy of International Business Southeast*, Atlanta, GA. **(Graduate Student Paper)**
17. A. Arora, J. Wu, R. Leseane and **S. Niranjan**. "Global Logistics & International Business Education Research (G-LIBER) Project: Keys to Trade, Growth and Job Creation". *Proceedings. of 2013 North Eastern Decision Sciences Conference*, Brooklyn, NY.
18. **S. Niranjan** and N. Kulkarni. "Multi-echelon Network Optimization of Pharmaceutical Cold Chains". *Proceedings. of 2012 Industrial Engineering Research Conference*, Orlando, FL.
19. V. K. Gupta and **S. Niranjan**. "Entrepreneurial Orientation and Performance Effectiveness: An Examination of the Mediating Role of Knowledge Acquisition and Creation in Customer Alliances". *Proceedings. of 2011 Decision Sciences Institute*, Boston, MA.
20. V. K. Gupta, A.B. Goktan, **S. Niranjan**, G. Gunay, Y.H. Cheung, and A. Pareek. "Cultural Value Orientation: Measurement Invariance in a Multi-Country Sample". *Proceedings. of 2011 Southern Academy of Management*, Savannah, GA.
21. V. K. Gupta, A.B. Goktan, **S. Niranjan**, G. Gunay, Y.H. Cheung, and A. Pareek. "Testing for Measurement Invariance in Cultural Value Orientation: A Multi-Country Comparison". *Proceedings. of 2010 Academy of Management*, Montréal, Canada.
22. **S. Niranjan** and A. Vasavada. "Behavior of a Remanufacturing System in Presence of Unreliable Suppliers for New Product". *Proceedings. of 2010 North Eastern Decision Sciences Institute*, Alexandria, VA.
23. **S. Niranjan** and F. W. Ciarallo. "Impact of Inventory Allocation Policies on Downstream Supply Variability in a Multi-echelon System". *Proceedings. of 2009 Production and Operations Management*, Orlando, FL.
24. **S. Niranjan** and F. W. Ciarallo. "Effect of Supply Variance and Inventory Allocation on Multi-echelon Systems with Multiple-Sources of Demand". *Proceedings. of 2009 Manufacturing & Service Operations Management*, Sloan School of Management, Boston, MA.
25. V. K. Gupta, R. Huang, and **S. Niranjan**. "A longitudinal examination of the relationship between team leadership and performance". *Proceedings. of 2009 Eastern Academy of Management Conference*, Hartford, CT.
26. **S. Niranjan** and F. W. Ciarallo, "Multi-Echelon Inventory System with Intermediate Product Demand: A Perspective on Allocation Policies". *Proceedings. of 2008 Manufacturing & Service Operations Management*, University of Maryland, Washington, DC.
27. **S. Niranjan** and F. W. Ciarallo, "Base-stock levels in multi-echelon inventory systems with multiple intermediary product demands". *Proceedings. of 2007 Industrial Engineering Research Conference*, Nashville, TN.
28. **S. Niranjan** and F. W. Ciarallo, "Analysis for base-stock levels in multi-echelon inventory systems with random capacity and intermediary product demand". *Proceedings. of 2006 (10th) Annual International Conference of Society of Operations Management*, Indian Institute of Management, Ahmedabad, India. **(Best Student Paper Award)**

29. F. W. Ciarallo and **S. Niranjan**. "Properties of optimal order-up-to levels for the newsvendor problem with random capacity: Special cases of demand". *Proceedings of 2005 Manufacturing & Service Operations Management*, Kellogg School of Management, Chicago, IL.

PUBLISHED ABSTRACTS AND PRESENTATIONS

1. "The Role of Supply Chain Agility and Collaborative Activities on Firms Operational Performance", *Production and Operations Management Conference*, April 2022, online.
2. "A Study of Patient Empowerment Process Models: A Simulation Optimization Approach", *Production and Operations Management Conference*, April 2022, online.
3. "Going Backwards to Get Ahead: Connecting Product Refurbishment and Demand Forecasting with Simulation Optimization", *Production and Operations Management Conference*, April 2022, online.
4. "A Systematic Literature Review of Drones Used in Last-Mile Delivery: A Logistics Perspective", *Production and Operations Management Conference*, April 2022, online.
5. "Antecedents of Customers Intention to Use Drone for Last Mile Delivery: A Perspective on Medical Supplies and Prescription Drugs" *Decision Sciences Institute 52nd Annual Conference*, November 2021, online.
6. "The Impact of Behavioral Factors and Digital Platform on Ride-hailing Operations: Perspective from Ride-hailing Drivers", *CSCMP Annual Conference*, September 2021, Atlanta, GA.
7. "System Dynamics Based Simulation Study of Association Between Transportation and Economic Performance of United States", *Production and Operations Management Conference*, April/May 2021, online.
8. "Antecedents of Firm Performance and Role of Supply Chain Integration Tools: Supply Chain Managers Perspective", *Production and Operations Management Conference*, April/May 2021, online.
9. "Collaborative Activities and Mediating Influences on Firm Performance: Supply Chain Managers Perspective", *Southeast Decision Sciences*, Feb 2020, Charleston, SC.
10. "Antecedents of Distracted Driving Among Young Adults: Role of General Deterrence Theory" *Production and Operations Management Conference*, May 2018, Houston, TX.
11. "Optimal Server Sharing Decisions in Field Services". *Emerging Researchers National (ERN) Conference in STEM*, February 2018, Washington, DC.
12. "The influence of Mind Wandering and Mental Workload on Distracted Driving". *Emerging Researchers National (ERN) Conference in STEM*, February 2018, Washington, DC.
13. "When Worlds Collide: The Influence of a Corporation's Political Advertisement on Voters". *South East Decision Sciences*, February 2018, Wilmington, NC.
14. "Antecedents of Distracted Driving: Role of Cognitive Factors". *South East Decision Sciences*, February 2018, Wilmington, NC.
15. "Population variance in Savannah-Chatham Metro Police Department metrics relating to anecdotal reporting". *South East Decision Sciences*, February 2018, Wilmington, NC.

16. "Gender differences in Academic Performance and Communication: A Perspective on India and Russia". *South East Decision Sciences*, February 2018, Wilmington, NC.
17. "Optimal Inventory Levels in a Multi-Echelon Pharmaceutical Cold Chain: Perspective on Information Loss". South West Academy of Management, March 2017, Little Rock, AR.
18. "Optimal Gate Assignment at Distribution Center: A Case Study". *Emerging Researchers National (ERN) Conference in STEM*, March 2017, Washington, DC.
19. "Optimizing Flow at a Distribution Center: A Case-Study". *Emerging Researchers National (ERN) Conference in STEM*, March 2017, Washington, DC.
20. "Optimal Inventory Levels in Presence of Information Loss: Multi-Echelon Pharmaceutical Cold Chain Perspective". *Emerging Researchers National (ERN) Conference in STEM*, March 2017, Washington, DC.
21. "Gender Discrimination in the Workforce: It's Impact on Businesses and Employee Performance". *South East Decision Sciences*, February 2017, Charleston, SC.
22. "Antecedents of Job Satisfaction and Work Engagement: Mediating the Role of Cognitive and Affective Response". *South East Decision Sciences*, February 2017, Charleston, SC.
23. "Determining Optimal Capacity Utilization and Inventory Levels for a Distribution Center: A Case Study". *Emerging Researchers National (ERN) Conference in STEM*, March 2017, Washington, DC.
24. "Planning Optimization at a Distribution Center: A Case Study" *South East INFORMS, September 2016, Wilmington, NC.* – Published Abstract (conference cancelled due to Hurricane Matthew)
25. "Determining Optimal Internal and External Inventory Levels for a Distribution Center: A Case Study". *South East INFORMS, September 2016, Wilmington, NC.* – Published Abstract (conference cancelled due to Hurricane Matthew)
26. "Optimal Server Sharing Decisions in Field Services". *Production and Operations Management Conference, May 2016, Orlando, FL.*
27. "Accurate Understanding of the Effect of Entrepreneurial Orientation on Supply Chain Performance" *Production and Operations Management Conference, May 2016, Orlando, FL.*
28. "Influence of Facebook and Internet Usage on Student Achievement and Face-to-Face Communication: A Multi-Country Perspective". *Academy of International Business-South East, October 2015, Savannah, GA.*
29. "Toward More Accurate Understanding of the Effect of Entrepreneurial Orientation on Firm Performance". *Decision Sciences Institute, November 2015, Seattle, WA.*
30. "Supply Chain Management Performance: The Impact of Sharing and Communication on Flexibility and Partner Satisfaction". *Decision Sciences Institute, November 2015, Seattle, WA.*
31. "Optimal Queue Length-Based Server Sharing Decisions in Field Services". *Winter Simulation Conference, December 2014, Savannah, GA.*
32. "Optimal Queue Length Based Server Sharing Decisions in Field Services". *INFORMS Annual Meeting, November 2014, San Francisco, CA.*
33. "A Simulation Analysis of Collection and Processing of End-of-Life Textiles". *INFORMS Annual Meeting, November 2014, San Francisco, CA.*

34. "Multi-Echelon Network Optimization of Pharmaceutical Cold Chains: A Simulation Study". *Winter Simulation Conference*, December 2013, Washington, DC.
35. "A Simulation Study of Pharmaceutical Cold Chains with Information Sharing". *Decision Sciences Institute*, November 2013, Baltimore, MD.
36. "Predictors of Success and Academic Performance: A Historically Black Business School Perspective". *Academy of International Business Southeast*, October 2013, Atlanta, GA.
37. "Global Logistics & International Business Education Research (G-LIBER) Project: Keys to Trade, Growth and Job Creation". North Eastern Decision Sciences Conference, April 2013, Brooklyn, NY.
38. "Impact of Vendor Managed Inventory in Hospitals: An Empirical Study". *Decision Sciences Institute*, November 2012, Boston, MA.
39. "A Simulation Study of Pharmaceutical Cold Chains: A Perspective on a Four-Echelon System". *Decision Sciences Institute*, November 2012, Boston, MA.
40. "Vendor Managed Inventory: Impact on the Healthcare Industry". *Industrial Engineering Research Conference*, May 2012, Orlando, FL.
41. "Multi-echelon Network Optimization of Pharmaceutical Cold Chains". *Industrial Engineering Research Conference*, May 2012, Orlando, FL.
42. "Challenges in Handling the Pharmaceutical Cold Chains". *INFORMS Annual Meeting*. November 2011, Charlotte, NC.
43. "Entrepreneurial Orientation and Performance Effectiveness: An Examination of the Mediating Role of Knowledge Acquisition and Creation in Customer Alliances". *Decision Sciences Institute*. November 2011, Boston, MA.
44. "Cultural Value Orientation: Measurement Invariance in a Multi-Country Sample". *Southern Academy of Management*, November 2011, Savannah, GA.
45. "Behavior of Remanufacturing System in Presence of Varying Suppliers Reliability", *Industrial Engineering Research Conference*. May 2011, Reno, NV.
46. "Behavior of a Remanufacturing System in Presence of Varying Suppliers Reliability for New Product", *INFORMS Annual Meeting*. October 2010, Austin, TX.
47. "Behavior of a Remanufacturing System in Presence of Unreliable Suppliers for New Product", *North Eastern Decision Sciences*. May 2010, Alexandria, VA.
48. "Server Sharing Decisions in Field Services with Multiple Territories", *INFORMS Annual Meeting*, October 2009, San Diego, CA.
49. "Impact of Inventory Allocation Policies on Downstream Supply Variability in a Multi-echelon System", *Production and Operations Management*. April 2009, Orlando, FL.
50. "Supply Performance in Contemporary Multi-echelon Inventory Systems with Multiple Sources of Demand", *INFORMS Annual Meeting*. October 2008, Washington, DC.
51. "Multi-Echelon Inventory System with Intermediate Product Demand: A Perspective on Allocation Policies", *Manufacturing & Service Operations Management*. June 2008, Robert H. Smith School of Business, Washington, DC.

52. "Simulation optimization approach for multi-echelon inventory systems with intermediate product demand", *INFORMS Annual Meeting*. November 2007, Seattle, WA.
53. "Simulation optimization approach for multi-echelon inventory systems with intermediate product demand", *3rd Dayton Engineering Science Symposium*. October 2007, Dayton, OH.
54. "Base-stock levels in multi-echelon inventory systems with multiple intermediary product demands", *Industrial Engineering Research Conference*. May 2007, Nashville, TN.
55. "Analysis for base-stock levels in multi-echelon inventory systems with intermediary product demand", *INFORMS Annual Meeting*. November 2006, Pittsburgh, PA.
56. "Analysis for base-stock levels in multi-echelon inventory systems with random capacity and intermediary product demand", *10th Annual International Conference of Society of Operations Management*. December 2006, Indian Institute of Management, Ahmedabad, India.
57. "Analysis for base-stock levels in multi-echelon inventory systems with intermediary product demand", *2nd Dayton Engineering Science Symposium*. October 2006, Dayton, OH.
58. "Properties of optimal order-up-to levels for the newsvendor problem with random capacity: Special cases of demand", *Wright State Engineering Graduate Student Symposium*. May 2005 Wright State University, Dayton, OH.
59. "Properties of optimal order-up-to levels for the newsvendor problem with random capacity: Special cases of demand", *Manufacturing & Service Operations Management*., June 2005, Kellogg School of Management, Chicago, IL.

GRANTS (Submitted)

1. **Niranjan, Suman (Principal)**; Friedrich, Tamara (Co-Principal). "Collaborative Research: Efficient Scheduling for Outpatient Clinics with High No-shows Rates: A Behavioral Operations Perspective," Sponsored by NSF, Federal, \$570,000.00. – submitted March 2011. Not Funded
2. **Niranjan, Suman (Co-Principal)**; Arora, Anshu S (Principal); Wu, Jun (Co-Principal). "Global Logistics & International Business Education Research (G-LIBER) Project: Keys to Trade, Growth and Job Creation," Sponsored by Department of Education, Federal, \$200,000.00 – submitted June 2011- Not Funded any Grant due to Budget Cuts
3. Rukmana, Deden (Principal); **Niranjan, Suman (Co-Principal)**. "MTW Benchmarking Study and Other Research Services", Sponsored by Atlanta Housing Authority and US Department of Housing and Urban Development, State & Federal, \$1.2 Million –Submitted January 2012- Not Funded
4. **Niranjan, S. (Principal)**. "Logistics and Manufacturing Industry Tour: Visiting KIA Motors Manufacturing Inc.," Sponsored by Title III Office Savannah State University, Savannah State University, March 2012, \$1,995.00. Not Funded
5. Arora, Anshu (Principal); **Niranjan, Suman (Co-Principal)**; Wu, Jun (Co-Principal); Choi, Hae-Yeon (Co-Principal); Bradford, Shalonda (Co-Principal). "Enhancing the G-LIBER Center of Excellence", Sponsored by Savannah State University Title III office, Internal Grant, \$57,000- Submitted September 2011 – **Funded for one year from October 2011 to September 2012**
6. Arora, Anshu (Principal); Wu, Jun (Co-Principal); **Niranjan, Suman (Co-Principal)**; Choi, Hae-Yeon (Co-Principal); Bradford, Shalonda (Co-Principal). "Enhancing the G-LIBER Center of Excellence", Sponsored by Savannah State University Title III office, Internal Grant, \$84,662 - Submitted May 2012 – **Funded for one year from October 2012 to September 2013**

7. **Niranjan, S. (Principal).** "Data Collection for Healthcare Logistics Research Project," Sponsored by Savannah State University Academic Affairs Office, Savannah State University. **Funded for \$2,500.00. (May 2013 - June 2013).**
8. **Niranjan, S. (Principal).** "Logistics and Manufacturing Industry Tour: Visiting Kia Motors Manufacturing Inc.," Sponsored by SSU Presidents Funds, Savannah State University. **Funded for \$1,995.00. (March 11, 2013 - June 10, 2013)**
9. **Niranjan, Suman (Principal).** "The Mediating Influence of Health Disparities on Children's Academic Performance", Sub Project of Research Infrastructure for Minority Institutions (RIMI), Sponsored by National Institute Health Center for Minority Health and Health Disparities, Federal, \$74,543 –Submitted September 18th, 2013- Not Funded
10. Lambright, Jonathan (Principal); **Niranjan, Suman (Co-Principal).** "Targeted Infusion Project, Enhancing an Interdisciplinary Transportation Studies (EITS)", Sponsored by National Science Foundation, Federal, \$330,029 –Submitted February 18th, 2014- Not Funded.
11. **Niranjan, Suman (Principal).** "Simulation Optimization Software for Faculty and Student Research in Supply Chain and Transportation," Sponsored by Savannah State University-Title III, Savannah State University, **Funded for \$1,980.00. (April 1, 2014 - July 2014).**
12. **Niranjan, Suman (Principal);** Savitskie, Katrina (Co-Principal). "Regional Transportation/Logistics Education Summit" Sponsored by Norfolk Southern Foundation, corporate foundation, Submitted September 30th, 2016 - \$12,500 – Not Funded
13. **Niranjan, Suman (Principal);** Marriott, Karla Su (Co-Principal); Nitta, Takayuki (Co- Principal); Lemma, Mulatu (Co- Principal); Javid, Roxanna (Co- Principal). "IUSE-EHR: ELITE: Engage, Learn, Innovate, Transform, and Enhance STEM Undergraduate Education for Minority Students" Sponsored by National Science Foundation, Federal, \$2,907,330 –Submitted December 12th, 2017- Not Funded.
14. **Niranjan, Suman (Principal);** Pascal, Binda (Co- Principal); Jindani, Shinaz (Co- Principal); Kim, Sujin (Co- Principal); Mustafa, Mohammad (Co- Principal). "SES-UMS: Science and Engineering Scholarship Program for Undergraduate Minority Students" Sponsored by National Science Foundation, Federal, \$999,758 –Submitted March 28th 2018- Not Funded.
15. **Niranjan, Suman (Principal);** Korovyakovskaya, Inessa (Co-Principal). "The UGA Center for International Business Education: Expanding the University of Georgia's Land and Sea Mission through Global Partnerships" Sponsored by Department of Education, Federal, \$201,864- Submitted June 2018. Submitted sub-award as part of a collaborative effort between SSU and UGA for a total budget of \$1.2M – Not Funded
16. **Niranjan, Suman (Principal);** "Research Initiation Award: Optimal Server Re-dispatching Policies in Field Services" Sponsored by National Science Foundation, Federal, \$299,600 – Submitted October 2nd, 2018– Not Funded
17. **Niranjan, Suman (Principal);** "Social Determinants of Health and Microbiomes in Disparities in Breast Cancer and Diabetes in Black Belt of Southeastern US" Prime Sponsored by National Institute of Health; Sponsor University of North Texas Health Science Center (UNTHSC) at Fort Worth. Submitted November 23rd, 2019 - \$139,850 – Not Funded.
18. **Niranjan, Suman (Principal);** Sauser, Brian (Co-Principal); Narayanan, Arunachalam (Co-Principal); "Understanding if the Forklift Operators are Following Best Practices" Sponsored by Toyota Material Handling, U.S.A. Submitted December 4th, 2019 - \$267,349 – Not Funded.
19. Hong, Seock (Principal); **Niranjan, Suman (Co-Principal);** Bomba, Michael (Co-Principal); "ACRP 03-58: Measuring and Understanding the Relationship Between Air Service and Regional Economic Development". Prime Sponsored Airport Cooperative Research Program:

- Transportation Research Board. Sponsor Industry Campbell-Hill Aviation Group, LLC. Submitted Feb 25th, 2020 - \$112,203- under review.
20. **Niranjan, Suman (Principal)**; “Impact of Social Determinants of Health and Epigenetic modifications on Breast Cancer Disparity in Black Belt of Southeastern USA” Prime Sponsored by National Institute of Health; Sponsor University of North Texas Health Science Center (UNTHSC) at Fort Worth. RFA-MD-20-006. Submitted April 6th, 2020 - \$130,584 – Not Funded.
 21. **Niranjan, Suman (Principal)**; Hawkins, Tim (Co-Principal). “Optimal Field Engineer Sharing Policies: The Impact on Contracts and Procurement” Sponsored by DoD Acquisition Research Program (ARP) HQ0034-20-FOA-ARP-0001, Federal, \$109,436 – Submitted September 2020 – Not Funded.
 22. Hawkins, Tim(Co-Principal); **Niranjan, Suman (Co-Principal)**; “Why, Did I Lose? Debriefing Quality and Its Effects on Justice, Protests, and Sales Loss Attributions” Sponsored by DoD Acquisition Research Program (ARP) HQ0034-20-FOA-ARP-0001, Federal, \$109,556 - Submitted September 2020 – Not Funded.
 23. **Niranjan, Suman (Principal)**; “CAREER: Optimal Server Re-dispatching Policies in Field Services” Sponsored by National Science Foundation, Federal, \$570,615 – Submitted August 11th, 2020– Not Funded.
 24. **Niranjan, Suman (Principal)**; Narayanan, Arunachalam (Co-Principal); Sauser, Brian(Co-Principal); Warren, Scott (Co-Principal); Vaidyanathan, Vijay (Co-Principal). “FW-HTF-P: Using Technology to Understand Future Industrial Operator Distractions within Logistics and Material Handling Industry” Sponsored by National Science Foundation, Federal, \$149,993 – Submitted March 23rd, 2021 – Not Funded.
 25. Carrillo, Hector Siller (Principal); Dahotre, Narendra (Co-Principal); Padilla, Pamela (Co-Principal); Kavi, Krishna (Co-Principal); Sauser, Brian (Co-Principal); Banerjee, Rajarshi (Senior Personnel); Fu, Song (Senior Personnel); **Suman Niranjan (Senior Personnel)**. “NRT-FW-HTF: Interdisciplinary Transformational Education in Additive Manufacturing Science (ITEAMS)”. Sponsored by National Science Foundation, Federal, \$2,999,511.00 - Submitted September 7th 2021-Not Funded.
 26. Hawkins, Tim(Co-Principal); **Niranjan, Suman (Co-Principal)**; “Exploring Debriefing Quality And How It Can Prevent Bid Protests” Sponsored by Stevens Institute of Technology. Prime sponsor: U.S. Department of Defense - DOD, Federal, \$95,150 - Submitted May 14th 2021 – Not Funded.
 27. **Niranjan, Suman (Principal)**; Hawkins, Tim (Co-Principal). “Optimal Field Service Representatives (FSR) Sharing Policies: The Impact on Contracts and Procurement” Sponsored by Stevens Institute of Technology. Prime sponsor: U.S. Department of Defense - DOD, Federal, \$99,783 – Submitted May 14th 2021 – Not Funded
 28. **Niranjan, Suman (Principal)**; “Texas Center for Chronic Diseases and Health Disparities” Prime Sponsored by National Institute of Health; Sponsored by University of North Texas Health Science Center (UNTHSC) at Fort Worth. RFA-MD-21-007. Submitted May 26th 2021 - \$140,331.00– Not Funded.
 29. **Niranjan, Suman (Principal)**; “Social Determinants of Health and Microbiomes in Disparities in Breast Cancer and Diabetes in Black Belt of Southeastern US” Prime Sponsored by National Institute of Health; Sponsor Alabama State University at Montgomery, Alabama. RFA-RM-21-022. Submitted May 25th, 2021 - \$134,012– Not Funded.
 30. **Niranjan, Suman (Principal)**; “Osteoarthritis and pain: novel risk factors for cognitive decline and dementia” Prime Sponsored by National Institute of Health; Sponsored by University of

- North Texas Health Science Center (UNTHSC) at Fort Worth. PAR-19-070., Sub-award. Submitted July 9th 2021 - \$ 103,479– Not Funded.
31. **Niranjan, Suman (Principal);** Narayanan, Arunachalam (Co-Principal); Sauser, Brian (Co-Principal); Warren, Scott (Co-Principal); Vaidyanathan, Vijay (Co-Principal); Deshpande, Gopikrishna (Co-Principal). “A Framework for Enhancing Forklift Operators Productivity Using Physiological and Psychological Information” Sponsored by Toyota Material Handling North America (TMHNA) and Raymond Corporation, Private Industry, \$314,624 – Submitted November 4th, 2021 – Not Funded.
 32. Siller, Hector (Principal); Dahotre, Narendra (Co-Principal); Vadapalli, Ravi (CO-Principal); **Niranjan, Suman (Senior Personnel).** “Track 3: Fostering Inclusion and Diversity for Transformative Education in Additive Manufacturing Science and Engineering” Sponsored by National Science Foundation, Federal, \$800,000 – Submitted January 28th, 2022 – Not Funded.
 33. **Niranjan, Suman (Principal);** “Social Determinants of Health and Microbiomes in Disparities in Breast Cancer and Diabetes in Black Belt of Southeastern US” Prime Sponsored by National Institute of Health; Sponsor University of North Texas Health Science Center (UNTHSC) at Fort Worth. Submitted January 26th, 2022 - \$144,085. – Not Funded
 34. **Niranjan, Suman (Principal);** Narayanan, Arunachalam (Co-Principal); “Multi-echelon Inventory Optimization and Control Policies for CPE Wireline Materials”. Sponsored by Shaw Communications Inc., Private Industry, \$18,410. Submitted December 1st 2021, and re-submitted May 2022 – *Under Review*
 35. **Niranjan, Suman (Principal);** Narayanan, Arunachalam (Co-Principal); “Optimizing Field Technician Dispatching and Re-Dispatching Policies for Cable Equipment Installation”. Sponsored by Shaw Communications Inc., Private Industry, \$18,410. Submitted December 17th 2021 and re-submitted May 2022 – *Under Review*
 36. **Niranjan, Suman (Principal);** Narayanan, Arunachalam (Co-Principal); Sauser, Brian (Co-Principal); Warren, Scott (Co-Principal); Yang, Qing (Co-Principal); “Collaborative Research: FW-HTF-RL: A Framework for Supporting the Industrial Operators Workforce of the Future within Material Handling Industry” sponsored by National Science Foundation, Federal, Collaborative proposal submitted to NSF between University of North Texas, Auburn University, and Michigan State University. ~\$1.994M total (UNT portion as a lead institution \$1.498M) submitted on March 30th, 2023. – Not Funded
 37. Sharma, Sharad (Principal); **Niranjan, Suman (Co-PI)** “Midscale RI-1 (M1:IP): CyBurbia: A Distributed Cyber-physical Infrastructure for Autonomous Urban Traffic”, Sponsored by National Science Foundation, Federal, Collaborative proposal submitted to NSF between University of Maryland-Baltimore County, Texas A&M University (TAMU), University of Delaware (UD), The University of Alabama at Birmingham (UAB), and University of North Texas (UNT). ~\$17M total (UNT portion \$1.25M) submitted on May 5th, 2023. – Not Funded
 38. **Niranjan, Suman (Principal);** “Social Determinants of Health and Microbiomes in Disparities in Breast Cancer and Diabetes in Black Belt of Alabama” Prime Sponsored by National Institute of Health; Sponsor Alabama State University. Submitted October 2nd, 2023 - \$160,104.
 39. **Niranjan, Suman (Principal);** “Osteoarthritis and pain as novel risk factors for cognitive decline and dementia: Cross-national Comparison” Prime Sponsored by National Institute of Health; Sponsored by University of North Texas Health Science Center (UNTHSC) at Fort Worth. NIH RFA-AG-24-032, Sub-award. Submitted October 2nd 2023 - \$182,779.

TEACHING EXPERIENCE

School of Management, State University of New York-Binghamton

- **Undergraduate**
 - OPM 311 – Operations Management
 - CQS 112 – Statistics for Management
- **Graduate**
 - MGMT 507 – Operations Management

College of Business Management, Savannah State University

- **Undergraduate**
 - MGNT 3185 - Operations Management (*also taught online*)
 - MGNT 3195 - Global Supply Chain Management
 - MGNT 4169 – Quality Management
 - GLIB 3195 – Global Operations Management
 - BUSA 2182 - Business Statistics (*also taught online*)
 - GLIB 2109 - Business Strategies in Emerging Markets
 - GLIB 3197 – Global Business Logistics
 - STAB 4101 & BUSA 4999 - Study Abroad
- **Graduate**
 - MBAP 6011 – Statistics and Quantitative Methods
 - Pre-MBA: Quantitative Module

Indian Institute of Management-Indore

- **Doctorial (Fellowship Program in Management –FPM)**
 - Conducted a one-week workshop on intersection of knowledge management and supply chain management – Summer 2015
 - 2-credit hour seminar on “Internal Manufacturing and Knowledge Networks Seminar” – Summer 2018

TU-Dortmund – Germany

- **Masters (Master of Science in Material Technology)**
 - Conducted two lectures in Graduate Level course Material Flow Simulation – May 2018
 - Conducted a University-Wide Lecture – May 2018

G. Brint Ryan College of Business, University of North Texas-Denton

- **Undergraduate**
 - LSCM 3960 - Logistics and Supply Chain Management
 - LSCM 4510- Logistics and Business Analysis
- **Graduate (Doctorial Level)**
 - LSCM 6900 – Special Problems in Logistics
 - LSCM 6501 – System Theory and Experimentation

SERVICE

- Mentor for Case-Competitions representing UNT-RCOB-LOM
 - IANA Case Competition – September 2019
 - Brantly Boo, Bradley Huffman, Eleazar Jimenez, and Phat Phan
 - Wayne State/GM Case Competition – October 2019

- Silas Reid Smith, Bradly Huffman, Damaris Aguilar Mateos
- UNF and IANA Case Competition – October 2020
 - Matthew Redmond, Rebecca Zheng, and Riley Mickley
- IANA Case Competition – October 2021 – **1st Place**
 - Seth Williams, Cassandra Kennan, and Rayann Nasser
- IANA Case Competition – April 2022– **1st Place**
 - Yoseph Almetnawy, Jorden Herrington, and Jarius Cherry
- IANA Case Competition – April 2023
 - Regan Weaver, Jarrett Pyle, and Yoseph Almetnawy
- IANA Case Competition – September 2023– **1st Place**
 - Mateo Inofuentes, Jared Kalata, Jarrett Pyle, Ivan Uribe, and Regan Weaver
- Identifying Students for Case Competitions 2019-Present

Center for Agile Additive and Adaptive Manufacturing (CAAAM) – Member

- Mentoring Doctorial Students on Research
- Working on AM based Educational External Funded Grants
- Conducted Workshop for community college students from DFW metroplex on supply chain principles and AM-Supply Chain intersection on **August-2021, August 2022 and August/September 2023.**

Director of Interdisciplinary Transportation @ Savannah State University

As a director of the center I am responsible for the following activities:

- Curriculum changes and improvement to certificate program and associated accreditation requirements with SACS
- Arrange guest speakers from reputed industries and universities in the field of transportation and logistics
- Conduct yearly workshops for faculty development and student development
- Conduct field trips every semester
- Student research with faculty mentors
- Ensure the program website is updated with latest information
- Annual newsletter for the program

G-LIBER Center of Excellence Roles and Responsibilities (2012-2019)

As a Director/Co-Director/Founding Director of the center I am responsible for the listed activities:

- Primarily role of developing and make changes to curriculum for Global Logistics and International Business (G-LIB) Minor and Major
- Student Case Competition – Annual Event
- COBA Research Day – Annual Event
- Responsible for Initiation of 1st Annual COBA Case Competition held in April 2012, and the Globe without Borders Business Case Competition to be held in September 2012
- Advising Students for SSU Research Day held in March 2012
- Organizing student field trips to Industries

- Study Abroad to India 2012, and Study Abroad to India & China 2013
- Industry Liaison for the G-LIBER center
- Increasing the enrollment of International students for MBA program
- Signing MoU's with foreign (India) universities
- Weekly News blast for Logistics and International Business

Committees

UNT Committees

- G. Brint Ryan Endowed Chair in Logistics -Search Committee Member
 - August 2023-Present
- DLOM PhD Committee
 - September 2021- Present
- RCOB Library Collections Committee
 - September 2021- Present
- DLOM Case-Competition Committee
 - September 2021- Present
- G. Brint Ryan Endowed Chair in Logistics -Search Committee Member
 - October 2020-May 2021
- Grade Appel Committee -Committee Member
 - December 2020

Savannah State University Committees

- Served as a member of Georgia Southern University and Savannah State Collaborative Programs Committee
- Served as a member of Tenure and Promotion 2016-Present
- Served as a member of Academic Programs 2016-Present
- Served as a member of AOL Committee 2018-Present
- Served as a member of Faculty Development Committee from 2016-Present
- Served as a member of MBA Committee from 2016-Present
- Served as a member of Faculty Recruitment Committee from 2011-2012; 2016-Present
- Served as a Chair of COBA Academic Programs Committee 2017-18
- Member of New Programs Curriculum Committee 2016-2018
- Served as a member of Student Outreach and Recruitment Committee 2017-18
- Served as a member of Academic Programs and E-learning Committee from 2012- 2016
- Served as a member of Faculty Development Committee from 2013-2014
- Served as a member of Assurance of Learning Committee from 2010-2012
- A member of Academic Affairs Committee since Fall 2012
- A member of SSU Globalization Committee since Fall 2011
- A member of SSU Faculty Senate since Spring 2013

Development Activities Attended

- UNT Teaching Portfolio Workshop. – October 2019-May 2020.
- UNT Faculty First Flight, "Teaching and Pedagogy Workshop"- August 2019 to May 2020.

- AtKisson Training Group LLC & UNT Grantsmanship Workshop – December 9th, 2019.
- Washington DC Scholars Program – October 2019 to February 2020.
- Bias Perception Training: Bias Awareness Perception – October 25th 2019.
- Workshop, "Learning SIMIO," SIMIO LLC, Pittsburgh, PA. (July 16, 2014 - July 17, 2014).
- Study Abroad to India and China, "Corporate Social Responsibility in India and China," Savannah State University, Savannah, GEORGIA. (July 1, 2013 - August 10, 2013).
- Workshop, "Professional Development in International Business," University of Minnesota and University of Memphis, Copenhagen, Denmark; Gothenburg, Sweden. (June 8, 2013 - June 20, 2013).
- Introduction to Geographic Information Systems and Applications in Urban Planning and Transportation
 - Savannah State University Hubert #111 February 27 & 28, 2017 – 9:00am - 4:00pm
- STATA Workshop
 - Savannah State University Mar 12 to 15th, 2017, 9:00 AM to 5:00 PM Hubert STEM 360
- PTV/VISSIM Application Workshop
 - Savannah State University March 28th 9 am to 5pm
- SAS and Tableau
 - May 10th to 12th from 9 am to 5pm – Social Sciences Rm 106
- Workshop of Geographic Information Systems
 - July 26, 2017 - Social Science Building 106

TECHINICAL REVIEWER

- | | |
|---|---|
| • Decision Sciences | • Journal of STEM Education: Innovations and Research |
| • Engineering Management Research | • Networks: An On-Line Journal for Teacher Research |
| • Journal of Managerial Issues | • New England Journal of Entrepreneurship |
| • European Journal of Operations Research | • International Entrepreneurship and Management Journal |
| • Annals of Management Science | • Computers and Industrial Engineering |
| • Journal of Simulation | • Winter Simulation Annual Conference |
| • International Journal of Logistics Management | • SEDSI Annual Conference |
| • Expert Systems | |

INDIVIDUAL STUDENT CONTACT

University of North Texas – Ryan College of Business

- Undergraduate Level Supervised Research, TAMS Students, UNT (June 2020 -June 2021).
 - *Advised: Tiffany Kao and Minerva Sharma*
- Undergraduate Level Supervised Research, NSF Funded FW-HTF 2022 (March 2023-July 2023).
 - *Advised: Monica Hong*
- Master's Level Supervised Research, NSF Funded FW-HTF 2022 (May 2023-August 2023).
 - *Advised: Arush Yericherla*

- Master's Level Supervised Research, NSF Funded FW-HTF 2022 (May 2023-Present).
 - *Advised: Harika Ponugoti*
- Master's Level Supervised Research, NIH Funded AIM-Ahead 2022 (Jan 2023-Present).
 - *Advised: Vamsi Krishna Bellam, Priya Varshitha Reddy Kuppireddy, Venkata Sravan Namuduri*
- Reporting Supervisor, NIH Funded AIM-Ahead 2022 (Jan 2023-Present).
 - Fulltime Data Scientist: Mounica Kanumaru

Savannah State University

- Master's Level Supervised Research (August 2013- May 2015)
 - *Chris Jenner, **Christina King**² and Yao Yao*
- Master's Level Supervised Research (August 2014- May 2016)
 - *Corliss Best*
- Undergraduate Level Supervised Research (August 2013- May 2014)
 - *Joshua Lane*
- Undergraduate Level Supervised Research (May 2016 – March 2018)
 - *Phuong Vo, Kevin Badaszewski, and Nigel Middleton*
- Undergraduate Level Supervised Research (May 2018 – May 2019)
 - *Leo Degon*
- Undergraduate Level Supervised Research (May 2018 – May 2019)
 - *Malik Bradley and Angelica Serrano*

SUNY-Binghamton

- Master's Thesis Advisor- SUNY Binghamton –Graduated Fall 2009.
 - *Amit Vasavada*

PROFESSIONAL AFFILIATIONS

- Member of Institute for Operations Research and Management Science (INFORMS)
- Member of Institute of Industrial Engineers (IIE)
- Decision Sciences Institute (DSI)
- Council of Supply Chain Management Professionals (CSCMP)
- Order of the Engineer
- Beta Gamma Sigma
- Production and Operations Management

PROFESSIONAL SERVICE

- Track Organizer – Sustainability, SCM, Quality Management, Logistics, Hospitality, Recreation and Sports 2022, Jacksonville, FL. (July 2021 - February 2022).
- Track Organizer – Analytics, Business Intelligence, Data Mining, and Statistics, South-East Decision Sciences Conference 2021, Online. (July 2020 - February 2021).
- Track Organizer – Analytics, Business Intelligence, Data Mining, and Statistics, South-East Decision Sciences Conference 2020, Charleston, GA. (July 2019 - February 2020).

² Won the best student research paper award in the graduate level

- Track Organizer – Analytics, Business Intelligence, Data Mining, and Statistics, South-East Decision Sciences Conference 2019, Savannah, GA. (July 2018 - February 2019).
- Track Organizer – Supply Chain Management and Logistics, South-East Decision Sciences Conference 2018, Wilmington, NC. (July 2017 - February 2018).
- Track Organizer-Marketing and International Business, South-East Decision Sciences Conference 2016, Williamsburg, VA. (July 2015 - February 2016).
- Track Organizer-Supply Chain Management, TQM, and Operations, South-East Decision Sciences Conference 2015, Savannah, GA. (July 2014 - February 2015).
- Session Chair, Decision Science Annual Conference 2014, Tampa, FL. (May 2014 - November 2014).
- Session Chair, Institute of Operations Research and Management Science (INFORMS) Conference 2014, San Francisco, CA. (April 2014 - November 2014).
- Track Organizer, Academy of International Business - South East Conference 2014, Miami, FL. (April 2014 - October 2014).

CONSULTING

- Private and Academic, Freudenberg Household Products, LP (July 2022-Present)
- Academic, Shaw Communications, Calgary, Canada, (May 2021-Present)
- Academic, AmerisourceBergen, Roanoke, TX. (October 2019 – Present).
- Academic, StratiFi, Plano, TX. (August 2019 – Present).
- Academic, I:CO - SOEX GROUP, Switzerland. (January 16, 2014 - December 2015).
- Academic, IKEA Distribution Center, Savannah, GA (May 2016 – April 2018)

TECHNICAL SKILLS

- **Simulation Tools:** ARENA, SIMIO, Anylogic, FlexSim and AnyLogistix
- **Statistical Tools:** M-plus, JMP, SPSS, STATA, SAS-EG and R-Studio
- **Decision Analysis Tools:** Palisade @Risk
- **Optimization Tools:** FICO-Xpress, LINGO
- **Programming Languages:** C++, VB.net, Python
- **Application Software:** Mathematica and MATLAB
- **Scripting Language:** HTML
- **Operating Systems:** Unix/Linux, Windows 10, and MAC OS