

JOMON A. PAUL
Professor of Quantitative Analysis
Director of Research
Coles College of Business, Kennesaw State University
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EDUCATION

Ph. D., Industrial Engineering, 2006
University at Buffalo
Major: Operations Research

Co-Advisors: Prof. Rajan Batta, SUNY Distinguished Professor, Department of Industrial and Systems Engineering and Associate Dean for Faculty Affairs, School of Engineering and Applied Sciences, University at Buffalo; Prof. Li Lin, Department of Industrial and Systems Engineering, University at Buffalo.

Dissertation Title: “Study of Effects of Facility Damage on Hospital Capacity Estimates and Location-Allocation Planning for Management of Natural Disasters” (Supported by Air Force Office of Sponsored Research Grant).

M.S., Industrial Engineering, 2004
University at Buffalo
Major: Production Systems

B.E., Mechanical Engineering, 2002
M.S. University of Baroda
Elective: Computer Applications in Mechanical Engineering (CAD/CAM/CIM)

LICENSURES AND CERTIFICATIONS

- Facilitating Learning Online, Kennesaw State University, 2007
- Six Sigma Black Belt, American Society of Quality (2006 – Present)
- Agile Project Fundamentals, Velociteach, 2019

PROFESSIONAL EXPERIENCE

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August 2017 – Present, Economics, Finance, and Quantitative Analysis, Kennesaw State University, Kennesaw, GA, Professor of Quantitative Analysis.

April 2014 – Present, Coles College of Business, Kennesaw State University, Kennesaw, GA, Director of Research.

April 2013 – Present, Georgia WebMBA Program, Course Lead, WebMBA 6040 Managerial Decision Analysis.

August 2012 – August 2017, Economics, Finance, and Quantitative Analysis, Kennesaw State University, Kennesaw, GA, Associate Professor of Quantitative Analysis.

August 2007 – August 2012, Economics, Finance, and Quantitative Analysis, Kennesaw State University, Kennesaw, GA, Assistant Professor of Quantitative Analysis.

August 2006 – August 2007, Economics, Finance, and Quantitative Analysis, Kennesaw State University, Kennesaw, GA, Visiting Assistant Professor of Quantitative Analysis.

January 2006 - August 2006, Research Institute for Safety and Security in Transportation, University at Buffalo, Buffalo, NY, Research Assistant

June 2005 - August 2006, The Center for Industrial Effectiveness, University at Buffalo, Buffalo, NY, Research Assistant.

January 2004 - June 2005, Center for Multisource Information Fusion, University at Buffalo, Buffalo, NY, Research Assistant.

August 2003 - December 2003, Capricorn Pharma, Frederick, MD, Industrial Engineer Intern.

May 2001 - July 2001, Asea Brown Boveri, Gujarat, India, Trainee Engineer.

January 2001 - March 2001, Banco Products India Limited, Gujarat, India, Trainee Engineer.

DIRECTOR OF RESEARCH (2014 – PRESENT)

Primary Responsibilities

- Mentoring, facilitating and disseminating research that happens at the Coles College of Business
- Editor, Annual Research Magazine

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- Editor, Working Paper Series
- Coordinator, Research Seminar Series
- Data Warehousing, Research Databases, and Software
- Manager, College, and Faculty Research Webpages
- Increase Grant Activity in College
- Oversee Summer Research Fellowships
- Provide Voice for Research Active Faculty
- Provide Link to DBA Program
- Liaison to VP of Research's Office
- Intellectual Property

Select Accomplishments

- **Coles Research Symposium:** I initiated an annual college-level research symposium. It features a one-day event wherein industry and academic experts and our faculty share from their most recent research on pressing social issues. The faculty group that hosts this event is identified via a competitive selection process. Specifically, research groups (cybersecurity, entrepreneurship, homeland security, family business, corporate governance, etc.) within the College are challenged to submit proposals. The first symposium focused on homeland security was held on October 11, 2018.
- **Faculty Research Blogs:** I started this initiative to serve as a platform to share the wonderful work of our faculty in research, teaching and service-related areas. These blogs are accessible by our students, faculty and our peers external to Coles. This will help students find out more about their faculty and appreciate the work they do beyond the classroom. From a faculty standpoint, this is intended to enhance the sense of community, citizenship, and lead to opportunities for collaboration. The contributions of our colleagues can be viewed at <http://coles.kennesaw.edu/research/blog.php>.
- **Elite Journal Publication and Impact Journal Publication Awards:** The Elite publication awards recognize faculty who publish in journals that are featured in Financial Times Top 50 List (<https://www.ft.com/content/3405a512-5cbb-11e1-8f1f-00144feabdc0>). Winners include faculty whose work has appeared in *Operations Research*, *Journal of Business Ethics*, *Journal of Management Studies*, *Journal of International Business Studies*, *Accounting Organizations and Society*, *The Accounting Review*, among several others. The Impact Journal Publication Award acknowledges Coles College of Business faculty that demonstrated a significant or potentially significant impact on organizations and/or professional or business practices.

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- **Coles College Research Seminars and Department Seminars:** As per this initiative we host a total of 12 research seminar events each year. Speakers from notable institutions such as Georgia Institute of Technology, Duke University, University at Buffalo, Baylor University, University of Georgia, the University of Texas at Dallas, American University, University of Houston, North Carolina State University among several others have presented their research over the years. Details on the speakers both internal and external and their talks from the current and past years can be found at <http://coles.kennesaw.edu/research/seminar-series.php>.

I also work with departments to help them initiate their own internal research seminar series and find ways to support those where this initiative has been ongoing. In light of these efforts, Economics, Finance, and Quantitative Analysis department started their seminar series in Fall 2017.

- **Coles Working Paper Series:** I started this initiative as a way to encourage, support and highlight faculty research. Specifically, each working paper submission is reviewed by two anonymous reviewers and the submissions accepted only if at least one of the reviewers deemed it acceptable. The feedback authors receive from their peers has been deemed extremely valuable in their efforts to publish it in a good quality journal. Details on accepted working paper submissions can be found at <http://coles.kennesaw.edu/research/working-paper-series.php>.

Papers accepted to the working paper series have eventually appeared in journals such as *Auditing: A Journal of Practice & Theory* (A+), *European Journal of Operational Research* (A+), *Journal of the American Taxation Association* (A), *Journal of Business Ethics* (A), *Public Choice* (A), *Accounting Horizons* (A), *Southern Economic Journal* (A), *The Financial Review* (A), *Economics Letters* (A), among several others.

- **Coles Research Datasets and Resources:** As per this initiative, I centralized the monetary resources allocated towards datasets, software, and other faculty research support to minimize waste. A password-protected central repository with detailed information on all the research datasets and resources is maintained for faculty at <http://coles.kennesaw.edu/intranet/research/datasets.php>.
- **Coles Research Awards:** As part of my efforts to encourage and support faculty research, I initiated new awards for those colleagues who have publications in outstanding journals, produce high quality working papers, faculty who provide valuable support to businesses through their research and to those faculty who secure grants from notable institutions such as National Science Foundation and National Institute of Health to support their research studies.
- **Summer Research Fellowship and Grant Funding:** I started this initiative to support Coles College's mission of producing high-quality research by providing research fellowships every summer to faculty. Fellowship (one each) is provided to those in new, junior and senior faculty categories. Additionally, I play an instrumental role in

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supporting faculty research via monetary grants awarded via a competitive process during the Fall and Spring Semesters of the academic year.

- **Coles Research Magazine:** As a way to better highlight Coles faculty research and share with peer and aspirant universities, I started the annual Coles research magazine initiative. This annual publication includes brief summaries of the outstanding research articles (both published and ongoing), business engagement projects, projects that were awarded notable grants. It also includes faculty work as DBA student dissertation committee chairs and members. Details on the current and past issues of the magazine can be found at <http://coles.kennesaw.edu/research/highlights.php>.

GRANTS AND AWARDS

- 2020 Coles College of Business Faculty Research (RDC) Award, Proposal Title: “Development and Validation of a Deep Fake Video Instrument” - \$1000
- 2020 Distinguished Scholarship Award
- 2020 Prize for Best Coles Working Paper Publication “How Private Nonprofit Hospitals Differ from Private For-Profit Hospitals in Average Inpatient Length of Stay?” *Coles Working Paper Series*, FALL19-04, November 2019.
- 2019 Coles College of Business Faculty Research (RDC) Award, Proposal Title: “Development of a Measurement Instrument for Social Media Behavior” - \$500
- 2019 Distinguished Professor Award
- 2019 Prize for Best Coles Working Paper Publication “Decision-Support Model for Cybersecurity Risk Planning: A Two-stage Stochastic Programming Framework Featuring Firms, Government, and Attacker” *Coles Working Paper Series*, SPRING19-02, March 2019.
- 2019 Prize for Outstanding Publication “Espionage and the Optimal Standard of the Customs-Trade Partnership against Terrorism (C-TPAT) Program in Maritime Security” *European Journal of Operational Research*, Vol. 262, Issue 1 (October) 2017, pp: 89-107.

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- 2017-18 Outstanding Faculty of the Year - Awarded Outstanding Faculty of the Year by the students in the Georgia WebMBA program (Cohort 68)
- 2016-17 Outstanding Faculty of the Year - Awarded Outstanding Faculty of the Year by the students in the Georgia WebMBA program (Cohort 59)
- 2017 Coles College of Business Elite Publication Award (with Leo MacDonald (Quantitative Analysis) and Benedikt Quosigk (School of Accountancy))
- 2017 Coles College of Business Research Collaboration Award (with Leo MacDonald from Quantitative Analysis)
- 2017 Coles College of Business Faculty Research (RDC) Award, Proposal Title: “Development of a Measurement Instrument for Social Media Behavior” - \$500
- 2016 KSU Outstanding Research and Creative Activity Award – Business and Industry Applications
- 2016 Coles College of Business Faculty Research (RDC) Award, Proposal Title: “Impact of Online Social Networking on Critical Thinking” - \$500
- 2016 Distinguished Undergraduate Teaching Award
- 2016 Prize for Best Coles Working Paper Publication “Determinants of Operational and Financial Performance and Market Concentration for Not-For-Profit Hospitals” *Coles Working Paper Series*, SPRING16-05, March 2016.
- 2016 Prize for Best Publication “Modeling the Benefits of Cross Training to Address the Nursing Shortage” *International Journal of Production Economics*, Vol. 150, Issue 1 (April) 2014, pp. 83-95.
- 2015 Research Grant, Coles College of Business, Proposal Title: “Effect of Certificate of Need Law on Acute Ischemic Stroke Quality of Care” - \$4,100

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- 2015 Coles College of Business Research Collaboration Award (with Michael Maloni from Management and Entrepreneurship)
- 2015 Coles College of Business Research Collaboration Award (with Aniruddha Bagchi from Economics)
- 2015 Research Grant, Coles College of Business, Proposal Title: “A Frontier Analysis of Not-For-Profit Hospitals” - \$11,104
- 2015 Research Grant, Coles College of Business, Proposal Title: “Determinants of Terrorism in India” - \$3,084
- 2015 Prize for Best Publication “Optimal Allocation of Resources in Airport Security: Profiling vs. Screening” *Operations Research*, Vol. 62, Issue 2 (March) 2014, pp. 219-233.
- 2014-Now Academic Fellow, Kennesaw State University Center for Corporate Governance
- 2014 Finalist, Kennesaw State University Foundation Distinguished Research and Creative Activity Award
- 2014 Research Grant, Coles College of Business, Proposal Title: “Determinants of Terrorism in India” - \$2,500
- 2014 Coles College of Business Distinguished Award in Service
- 2013 Certificate of Excellence in Reviewing, *Socio-Economic Planning Sciences*
- 2013 Coles College of Business Distinguished Award in Research
- 2013 Coles College of Business Distinguished Award in Service Nominee
- 2012 Coles College of Business Distinguished Award in Research Nominee
- 2012 Article on Social Networking Selected for inclusion in *Elsevier's Monthly Research Selection*, an e-newsletter for science journalists and reporters
- 2012 Coles College of Business Distinguished Award in Teaching Nominee

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- 2012 Research Grant, Coles College of Business, Proposal Title: “Impact of Certificate of Need Law on Quality of Care in Emergency Departments” - \$9,050
- 2011 Coles College of Business Distinguished Award in Research Nominee
- 2011 Coles College of Business Distinguished Award in Teaching Nominee
- 2011-12 Coles College of Business Faculty Research (RDC) Award, Proposal Title: “Access to care issues in Emergency Departments” - \$3,000
- 2009-10 Coles College of Business Faculty Research (RDC) Award, Proposal Title: “Models for solving Emergency Room Crisis” - \$2,385
- 2009 Coles College of Business Faculty Research (RDC) Award, Proposal Title: “Models for solving Emergency Room Crisis” - \$2,200
- 2008-9 Coles College of Business Faculty Research (RDC) Award, Proposal Title: “Port Disaster Planning” - \$790
- 2008 Coles College of Business Faculty Research (RDC) Award, Proposal Title: “Operating Room Scheduling Planning” - \$2,000
- 2008 Coles College of Business Faculty Research (RDC) Award, Proposal Title: “Determination of Optimal Number of Nurses for a Hospital” - \$3,000
- 2008 Incentive Teaching Development (EFQA) Award, Proposal Title: “Development of Innovative materials for Improved Dissemination of Quantitative Analysis Concepts” - \$1,000
- 2007-8 Coles College of Business Faculty Research (RDC) Award, Proposal Title: “Models for Competitive USDA Bidding” - \$690
- 2006 Award of Excellence in Workforce Development, University Economic Development Association
- 2003-6 Graduate Research Scholarship, University at Buffalo.
- 2002 Best Final Year Mechanical Engineering Undergraduate Project, Title: “Micro Controller Based Automated Level Crossing System” (Article featuring the project published in the newspaper *India Times*)

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- 1996-97 National Merit Certificate

GRANT PROPOSALS (Submitted But Not Funded)

- Kedar Sambhoos (Principal), Jomon Aliyas Paul (Co-Principal), Sudit Moises (Supporting) and Govind Hariharan (Supporting), “*Efficient Disaster Mitigation through Hospital Surge Capacity Planning for a Bioterrorist Attack*”, submitted to National Center for the Study of Preparedness and Catastrophic Event Response (PACER), Federal, \$746,401.
- Jomon Aliyas Paul (Principal), Aniruddha Bagchi (Co-Principal), Xiaofeng Nie (Co-Principal), “*Computing the Optimal Search Strategy at Ports*”, submitted to National Center for Risk and Economic Analysis of Terrorism Events (CREATE).
- Jomon Aliyas Paul (Principal), Aniruddha Bagchi (Co-Principal), “*Economics of Aviation Security*”, submitted to National Science Foundation (NSF), Federal, \$256,969.

RESEARCH INTERESTS

- Methodologies: Simulation Modeling, Statistical Modeling, Mixed Integer Programming, Stochastic Programming, Large Scale Optimization, and Lean Six Sigma
- Domains: Disaster Planning, Healthcare, Homeland Security, and Transportation

PUBLICATIONS

1. Paul, J. A., Zhang, M. (Forthcoming). Decision Support Model for Cybersecurity Risk Planning: A Two-stage Stochastic Programming Framework Featuring Firms, Government, and Attacker. *European Journal of Operational Research*.
2. Bagchi, A., Paul, J. A. (Forthcoming). National Security vs. Human Rights: A Game Theoretic Analysis of the Tension between These Objectives. *European Journal of Operational Research*.
3. Paul, J. A., Cochran, J. (forthcoming). Development and Measurement Validity of a Social Media Activity Instrument. *Communications of the Association for Information Systems*.

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4. Paul, J. A., MacDonald, L. (forthcoming). Business Analytics Curriculum for Undergraduate and Graduate Students. *Decision Sciences Journal of Innovative Education*.
5. Paul, J. A., Quosigk, B., MacDonald, L. (2020). Does Hospital Status Affect Performance? *Nonprofit and Voluntary Sector Quarterly*, 49(2): 229-251.
6. Wang, X., Paul, J. A. (2020). Robust Optimization for Hurricane Preparedness. *International Journal of Production Economics*, 221, Article 107464.
7. Paul, J. A., Wang, X. (2019). Socially Optimal IT Investment for Cyber Security. *Decision Support Systems*, 122, Article 113069.
8. Paul, J. A., Ni, H., Bagchi, A. (2019). Does Certificate of Need Law Help Reduce the Increased Inpatient Occupancy Rates? *Service Science*, 11(1).
9. Paul, J. A., Bagchi, A. (2019). Civil Liberties and Terrorism in Middle East, North Africa, Afghanistan, and Pakistan. *Annals of Operations Research*, 275(2): 623–651.
10. Paul, J. A., Ni, H., Bagchi, A. (2019). Analysis of Certificate of Need Law Effects on Inpatient Market Competition. *Health Economics, Policy and Law*, 14(3).
11. Paul, J. A., Quosigk, B., MacDonald, L. (2019). Factors Impacting Market Concentration of Not-For-Profit Hospitals. *Journal of Business Ethics*, 154(2): 517-535.
12. Paul, J. A., Wang, X. (2019). Robust Location-allocation Network Design for Earthquake Preparedness. *Transportation Research Part B: Methodological*, 119: 139-155.
13. Paul, J. A., Zhang, M. (2019). Supply Location and Transportation Planning for Hurricanes: A Two-stage Stochastic Programming Framework. *European Journal of Operational Research*, 274(1): 108-125.
14. Bagchi, A., Paul, J. A. (2018). Youth unemployment and terrorism in the MENAP (Middle East, North Africa, Afghanistan, and Pakistan) region. *Socio-Economic Planning Sciences*, 64, 9-20.
15. Paul, J. A., Bagchi, A. (2018). Does Terrorism Increase after a Natural Disaster? An Analysis based upon Property Damage. *Defence and Peace Economics*, 29(4): 407-439.
16. Bagchi, A., Paul, J. A. (2017). Espionage and the Optimal Standard of the Customs-Trade Partnership against Terrorism (C-TPAT) Program in Maritime Security. *European Journal of Operational Research*, 262(1): 89-107.

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17. Ni, H., Paul, J. A., Bagchi, A. (2017). Analysis of Certificate of Need Law Effects on Emergency Department Market Competition. *Socio-Economic Planning Sciences*, 60: 34-48.
18. Paul, J. A., MacDonald, L (2017). An Empirical Analysis of US Vessel Related Port Accidents (2002-2012): Impact of Union Membership and Port Efficiency on Accident Incidence and Economic Damage. *Maritime Economics & Logistics*, 19(4): 723–748.
19. Paul, J. A., MacDonald, L (2016). Location and Capacity Allocation Decisions to Mitigate The Impacts of Unexpected Disasters. *European Journal of Operational Research*, 251(1): 252-263.
20. Paul, J. A., MacDonald, L (2016). A Stochastic Dynamic Programming Approach for Strategic National Stockpile Location-Allocation Planning for Improved Hurricane Preparedness. *International Journal of Production Economics*, 174 (1), 11–28.
21. Paul, J. A., Wang, X. (2015). Robust optimization for United States Department of Agriculture food aid bid allocations. *Transportation Research Part E: Logistics and Transportation Review*, 82, 129–146.
22. Paul, J. A., MacDonald, L. (2015). A Teaching Supplement on Sensitivity Analysis for Linear Programming in Undergraduate Business Programs. *INFORMS Transactions on Education*, 16(1):6-14.
23. Paul, J. A., Huan Ni, Bagchi, A. (2014). Effect of Certificate of Need Law on Emergency Department Quality of Care. *Journal of Emergency Medicine*, 47(4), 453-461.
24. Paul, J. A., Leo, M., Hariharan, G. (2014). A Model to study Disparities and Lifetime Medical Costs. *Service Science*, 6(1), 47-62.
25. Bagchi, A., Paul, J. A. (2014). Optimal Allocation of Resources in Airport Security: Profiling vs. Screening. *Operations Research*, 62(2), 219-233.
26. Paul, J. A., Leo, M. (2014). Models Using the Benefits of Cross Training Policies to Tackle Nurse Shortage Crisis. *International Journal of Production Economics*, 150, 83-95.
27. Roy, A., Paul, J. A. (2013). Terrorism deterrence in a two country framework: strategic interactions between R&D, defense and pre-emption. *Annals of Operations Research*, 211, 399–432.
28. Paul, J. A., Cochran, J. (2013). Key Interactions for Online Programs between Faculty, Students, Technologies, and Institutions: A Holistic Framework. *Quarterly Review of Distance Education*, 14(1), 49-62.

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29. Zheng, Q., Maloni, M., Paul, J. A. (2013). Dry Port Development in China: Motivations, Challenges, and Opportunities. *Transportation Journal*, 52(2), 234-263.
30. Maloni, M., Paul, J. A., Gligor, D. M. (2013). Simulating the Effects of Slow Steaming. *Maritime Economics & Logistics*, 15, 151–171.
31. Paul, J. A., Leo, M. (2013). A Process Flow Based Framework for Nurse Demand Estimation to Address Nurse Shortage. *Service Science*, 5(1), 17–28.
32. Paul, J. A., Maloni, M (2013). Evaluating Capacity Options for the North American West Coast Container Ports. *Transportation Journal*, 52(1), 52-79.
33. Paul, J. A., Macdonald, L. (2013). Determination of number of dedicated OR's and supporting pricing mechanisms for emergent surgeries. *Journal of the Operational Research Society*, 64, 912–924.
34. Paul, J. A., Jotshi, A. (2013). Efficient Operating Room Redesign through Process Improvement and Optimal Handling of Scheduled and Emergent Surgeries. *International Journal of Mathematics in Operational Research*, 5(3) 317-344.
35. Paul, J. A., Samboos, K (2012). Graph Matching based Decision Support Tools for mitigating spread of Infectious Diseases like H1N1. *Journal of Homeland Security and Emergency Management*, 9(2) Pages –, ISSN (Online) 1547-7355.
36. Paul, J. A., Baker, H., Cochran, J. (2012). Effect of Increased Social Networking Usage on Student Academic Performance. *Computers in Human Behavior*, 28(6), 2117-2127.
37. Paul, J. A., Lin, L (2012). Models for Improving Patient Throughput and Waiting at Hospital Emergency Departments. *Journal of Emergency Medicine*, 43(6), 1119-1126. One of the most downloaded articles. <http://www.journals.elsevier.com/the-journal-of-emergency-medicine/most-downloaded-articles/>
38. Paul, J. A., Hariharan, G (2012). Location-Allocation Planning of Strategic Stockpile Locations for Effective Disaster Mitigation. *Annals of Operations Research*, 196(1), 469-490.
39. Bagchi, A, Paul, J. A., Maloni, M., (2011). Improving Bid Efficiency for U.S. Food Aid Procurement. *International Journal of Production Economics*, 134(1), 238-245.
40. Paul, J. A., Batta, R (2011). Improving Hurricane Disaster Preparedness: Models for Optimal Reallocation of Hospital Capacity. *International Journal of Operational Research*, 10(2), 194-213.
41. Paul, J. A., Maloni, M. (2010). Modeling the effects of port disasters. *Maritime Economics & Logistics*, 12, 127–146.

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42. Yi, P., Santosh, G., Paul, J. A., Lin, L. (2010). Hospital Capacity Planning for Efficient Disaster Mitigation during an Earthquake. *Socio-Economic Planning Sciences*, 44(3), 151-160.
43. Trestrail, J., Paul, J. A., Maloni, M. (2009). Improving Bid Pricing for Humanitarian Logistics. *International Journal of Physical Distribution & Logistics Management*, 39(5), 428-441.
44. Paul, J. A., Sambhoos, K., Hariharan, G (2009). Using Dynamic Graph Matching and Gravity models for Early Detection of Bioterrorist Attack by Analysis of Hospital Patient Data. *Journal of Homeland Security and Emergency Management*, 6(1), Article 88.
45. Paul, J. A., Li Lin (2009). Estimation of the Impact of Facility Damages on Hospital Capacity after a Disaster. *Prehospital and Disaster Medicine*, 24, 333-341.
46. Paul, J. A., Batta, R. (2008). Models for Hospital Location and Capacity Allocation for an Area prone to Natural Disasters. *International Journal of Operational Research*, 3(5) 473-496.
47. Paul, J. A., Lin, L., Yi, P., George, S. (2006). Transient Modeling in Simulation of Hospital Operations for Emergency Response. *Prehospital and Disaster Medicine*, 21, 223-236.

CONFERENCE PROCEEDINGS

1. Paul, J., Sambhoos, K. (2010). Models for solving emergency room crisis. Society for Health Systems.
2. Sambhoos, K., Sudit, M., Paul, J. (2009). Improved Situation Assessment through Early detection during a Bioterrorist Attack by Using Dynamic Graph Matching. SIMA (Milcom 2009), IEEE.
3. Paul, J., Hariharan, G. (2007). Hospital Capacity Planning for Effective Disaster Mitigation during a Bioterrorist Attack. Winter Simulation 2007.
4. Paul, J., Lin, L. (2007). Simulation and Lean Six sigma Integration for Improvement of Hospital Operations. Society for Health Systems.
5. Batta, R., Drury, C. G., Marin, C. V., Lin, L., Nie, X., and Paul, J (2006). Simulation of Airport Security Checkpoint Operations. The 4th International Aviation Security Technology Symposium.

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BOOK CHAPTER

1. Paul, J. A., Batta, R., Lin, L., Drury, C. Airport Security System Design: Passenger Flow Analysis and Simulation Modeling. In P. Seindstat & F. X. Splane (Eds.), *Protecting Airline Passengers in the Age of Terrorism*, Santa Barbara, CA: Greenwood Publishing Group.

WORKS IN PROGRESS

1. Mathews, T., Paul, J. A. (target). Natural Disasters and Their Impact on Cooperation Against a Common Enemy. *European Journal of Operational Research*.
2. Paul, J. A., Cochran, J. (under review). Impact of Social Network on Student Critical Thinking. *Communications of the ACM*.
3. Paul, J. A., MacDonald, L., Quosigk, B. (under review). Determinants of Operational and Financial Performance for Not-For-Profit Hospitals. *Journal of Operations Management*.
4. Paul, J. A., Quosigk, B. (target). Does Hospital Status Affect Likelihood of Fraud? *Accounting Horizons*.
5. Paul, J. A., Ni, H. (target). Does Hospital Status Affect Patient Health Outcomes? *Health Economics*.
6. Paul, J. A., Neelakantan, A., MacDonald, L. (target). Analysis of Healthcare Regulations on Acute Ischemic Stroke Care Quality in Hospitals across United States. *New England Journal of Emergency Medicine*.
7. Paul, J. A., MacDonald, L. (target). Determining the Size, Strategic Mix and Optimal Usage of Military and Civilian Employees. *Management Science*.
8. Bagchi, A., Paul, J. A. (target). Optimal Standard of Human Rights in Countering an Insurgency. *Management Science*.
9. Paul, J. A., Sinha, M., Cochran, J. (target). Assessment of Critical Thinking at Business School: A Qualitative Analysis. *Decision Sciences Journal*.

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10. Paul, J. A., Cochran, J. (target). Socioeconomic Disparity in Individual Social Media Behavior. *Decision Sciences Journal*.
11. Campbell, S., Baker, H., Cochran, J., Paul, J. A. (target). The Role of Intrinsic Motivation on Student Retention in Online Courses. *Journal of Managerial Psychology*.
12. Paul, J. A., Bagchi, A (target). Facility Location and Capacity Allocation Under the Risk of Interdiction. *Annals of Operations Research*.
13. Paul, J. A., Zhang, M. (target). Decision Support Model for Cybersecurity Risk Planning: A Two-stage Stochastic Programming Framework Featuring Firms, Government and Attacker. *MISQ*.
14. Paul, J. A., MacDonald, L. (under review). Analytics Curriculum for Undergraduate and Graduate Students. *Informations on Education*.
15. Paul, J. A., MacDonald, L. (target). Efficient Inventory Management of Perishable Disaster Relief Supplies. *International Journal of Production Economics*.

CONFERENCE PRESENTATIONS

1. Paul, J. A., Wang, X. Annual Meeting of the Decision Sciences Institute, A Novel Approach for Improved Hurricane Disaster Relief, New Orleans, LA (November 2019).
2. Quosigk, B., Paul, J. A., MacDonald, L. Determinants of Non Profit Hospitals' Operational and Financial Performance. American Accounting Association's 2019 Government and Nonprofit Section Midyear Meeting, Norwalk, CT (March 2019).
3. Paul, J. A., Wang, X. Annual Meeting of the Decision Sciences Institute, Socially Optimal IT Investment for Cyber Security, Chicago, IL (November 2018).
4. Wang, X, Paul, J. A. Institute for Operations Research and the Management Sciences Annual Meeting, A Relative Regret Limit Oriented Scenario Robust Optimization Model for Earthquake Preparedness, Phoenix, AZ (November 2018).
5. Bagchi, A., Paul, J. A. Institute for Operations Research and the Management Sciences Annual Meeting, Should a government relax the standard of human rights to counter an insurgency? Theory and application using the case of the Armed Forces Special Powers Act (AFSPA) in India, Phoenix, AZ (November 2018).

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6. MacDonald, L., Paul, J. A. Annual Meeting of the Production and Operations Management Institute, Inventory Management of Perishable Disaster Relief Supplies, Houston, TX (May 2018).
7. Paul, J. A., Wang, X. Annual Meeting of the Decision Sciences Institute, A Relative Regret Limit Oriented Scenario Robust Optimization Model for Earthquake Preparedness, Washington, DC (November 2017).
8. Paul, J. A., Mathews, T. Annual Meeting of the Decision Sciences Institute, Natural Disasters and Their Impact on Cooperation Against a Common Enemy, Washington, DC (November 2017).
9. Paul, J. A., Wang, X. Annual Meeting of the Decision Sciences Institute, Time-variant Adaptive Robust Optimization for Hurricane Preparedness, Austin, TX (November 2016).
10. Paul, J. A., Cochran, J. Annual Meeting of the Decision Sciences Institute, Impact of Online Social Networking on Critical Thinking, Austin, TX (November 2016).
11. Wang, X., Paul, J. A. INFORMS Annual Meeting , Time-variant Adaptive Robust Optimization for Hurricane Preparedness, 2016 Nashville, TN (November 2016).
12. Quosigk, B., Paul, J. A., MacDonald, L. American Accounting Association Annual Meeting and Conference on Teaching and Learning in Accounting, An Evaluation of Not-For-Profit Hospital Performance, New York, NY (August 2016).
13. Ni, H., Paul, J. A., Bagchi, A. Annual Meeting of the Midwest Economics Association, The effects of the Certificate of Need Law on Inpatient Occupancy Rates, Evanston, Illinois (April 2016).
14. Paul, J. A., MacDonald, L. Annual Meeting of the Decision Sciences Institute, Determining the Size, Strategic Mix and Optimal Usage of Military and Civilian Employees, Seattle, WA (November 2015).
15. Paul, J. A., MacDonald, L, Quosigk, B. Annual Meeting of the Decision Sciences Institute, An Empirical Analysis to Identify Unique Characteristics of Best in Class Not-for-Profit Hospitals, Seattle, WA (November 2015).
16. Paul, J. A., MacDonald, L. Canadian Operational Research Society/ Institute for Operations Research and the Management Sciences 2015 International Meeting, Determining the Size, Strategic Mix and Optimal Usage of Military and Civilian Employees, Montreal, QC (June 2015).

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17. Paul, J. A., Bagchi, A., Ni, H. Annual Meeting of the Decision Sciences Institute, Effect of Certificate of Need Law on Undue Healthcare Facility Expansion, Tampa, FL (November 2014).
18. Paul, J. A., MacDonald, L. Annual Meeting of the Decision Sciences Institute, A study of US port accidents, Tampa, FL (November 2014).
19. Paul, J. A., Wang, X. Annual Meeting of the Decision Sciences Institute, Decision Support Tools for Competitive United States Department of Agriculture Food Aid Bidding, Tampa, FL (November 2014).
20. MacDonald, L., Paul, J. A. Annual Meeting of the Production and Operations Management Institute, Optimal Location, Capacity and Timing of Stockpiles for Improved Earthquake Preparedness, Atlanta, GA (May 2014).
21. Paul, J. A., Bagchi, A., Ni, H. Annual Meeting of the Decision Sciences Institute, Analysis of Certificate of Need Law Effects on Emergency Department Market Competition, Baltimore, MD (November 2013).
22. Paul, J. A., Bagchi, A. Annual Meeting of the Decision Sciences Institute, A Game Theoretic Model for Resource Allocation in Cargo Container Security at Ports, Baltimore, MD (November 2013).
23. Bagchi, A., Paul, J. A. Institute for Operations Research and the Management Sciences Annual Meeting, Optimal Allocation of Resources in Information Gathering and Container Screening Technology for Enhanced Port Security, Minneapolis, MN (October 2013).
24. Ni, H., Bagchi, A., Paul, J. A. Annual Meeting of the Eastern Economic Association, Effect of Certificate of Need Law on Efficiency of Care in Emergency Department, New York, NY (May 2013).
25. MacDonald, L., Paul, J. A. Annual Meeting of the Production and Operations Management Institute, Optimal Location, Capacity and Timing of Stockpiles for Improved Hurricane Preparedness, Denver, CO (May 2013).
26. Paul, J. A., MacDonald, L. Annual Meeting of the Decision Sciences Institute, A Stochastic Dynamic Programming Approach for Strategic National Stockpile Location-Allocation Planning for Improved Hurricane Preparedness, San Francisco, CA (November 2012).

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27. Paul, J. A., Bagchi, B. Annual Meeting of the Decision Sciences Institute, A Game Theoretic Model for Optimal Allocation of Resources between Intelligence Gathering and Screening for Airport Security, San Francisco, CA (November 2012).
28. Andrews, R., Andrews, W., Baker, H., Jones, T., Keeling, K., Paul, J. A., Rogers, P. Annual Meeting of the Decision Sciences Institute, Teaching and Learning Assessment, San Francisco, CA (November 2012).
29. Paul, J. A., MacDonald, L. Annual Meeting of the Decision Sciences Institute, Models for Addressing the Evolving Nurse Shortage Crisis, Boston, MA (November 2011).
30. Paul, J. A., Baker, H. Annual Meeting of the Decision Sciences Institute, Effect of Social Networking on Student Performance, Boston, MA (November 2011).
31. Paul, J. A., Maloni, M. Annual Meeting of the Decision Sciences Institute, Effects of Ocean Carrier Slow Steaming, Boston, MA (November 2011).
32. Paul, J. A., Baker, H., Barbara, P. Annual Meeting of the Decision Sciences Institute, Effective Pedagogy for Online Quantitative Classes: A Panel Presentation of Best Practices, San Deigo, CA (November 2010).
33. Paul, J. A., Leo, M. Annual Meeting of the Decision Sciences Institute, Pricing Models for Emergent Surgeries, San Deigo, CA (November 2010).
34. Paul, J. A., Kedar Sambhoos. Society of Health Systems, Models for solving emergency room crisis, Society of Health Systems/American Society of Quality Joint Expo, Atlanta, GA (February 2010).
35. Maloni, M., Paul, J. A., Annual Meeting of the Decision Sciences Institute, A Simulation to Estimate the Benefits of Improved North American Port Productivity, New Orleans, LA (November 2009).
36. Sambhoos, K., Sudit, M., Paul, J. A., SIMA (Milcom 2009), Improved Situation Assessment through Early Detection during a Bioterrorist Attack by Using Dynamic Graph Matching, IEEE, World Trade Center, Boston, MA (October 2009).
37. Maloni, M., Paul, J. A., Trestrail, J., Annual Meeting of the Decision Sciences Institute, Simulating Shipment Delays at West Coast Container Ports, Baltimore, MD (November 2008).
38. Paul, J. A. Institute for Operations Research and the Management Sciences Annual Conference, Models for reallocation of hospital capacities and ambulances for efficient disaster mitigation, Washington, DC (October 2008).

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39. Paul, J. A., Hariharan, G. Winter Simulation, Hospital capacity planning for efficient disaster mitigation during a bioterrorist attack, Washington DC (December 2007).
40. Maloni, M., Paul, J. A., Trestrail, J. Annual Meeting of the Decision Sciences Institute, Optimizing USDA Food Aid Procurement, Phoenix, AZ (November 2007).
41. Paul, J. A., Society of Health Systems, Simulation and Lean Six Sigma Integration for Improvement of Hospital Operations, Institute of Industrial Engineers, New Orleans, LA (February 2007).
42. Paul, J. A., Institute for Operations Research and the Management Sciences Annual Meeting, Location-allocation planning for hospitals in a region prone to natural disasters, San Francisco, CA (November 2005).

SEMINARS AND INVITED TALKS

1. MacDonald, L., Paul, J. A. Second Coles Research Symposium on Homeland Security, Determining Optimal Policies to Maintain the Strategic Mix and Force Readiness of Enlisted Military Personnel, Kennesaw, GA (October 2019).
2. Paul, J. A. Optimization and Pricing Models. Accenture CDP Data Science Bootcamp, Atlanta, GA (July 2019).
3. Bagchi, A., Paul, J. A. First Coles Research Symposium on Homeland Security, Should a government relax the standard of human rights to counter an insurgency? Theory and application using the case of the Armed Forces Special Powers Act (AFSPA) in India, Kennesaw, GA (October 2018).
4. Paul, J. A., Wang, X. First Coles Research Symposium on Homeland Security, Socially Optimal IT Investment for Cyber Security, Kennesaw, GA (October 2018).
5. Mathews, T, Paul, J. A. First Coles Research Symposium on Homeland Security, Natural Disasters and Their Impact on Cooperation Against a Common Enemy, Kennesaw, GA (October 2018).
6. Paul, J. A., Wang, X. Institute for Operations Research and the Management Sciences Annual Meeting, Time-variant Adaptive Robust Optimization for Hurricane Preparedness, Nashville, TN (November 2016).

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7. Bagchi, A., Paul, J. A. Validating Models of Adversary Behavior, A Game Theoretic Model for Resource Allocation in Cargo Container Security at Ports, Buffalo/Niagara Falls, NY (August 2-5, 2015). Supported by the U. S. Department of Homeland Security (DHS) through the National Consortium for the Study of Terrorism and Responses to Terrorism (START) and the National Center for Risk and Economic Analysis of Terrorism Events (CREATE).
8. Paul, J. A., Bagchi, A. Workshop on Strategic Aspects of Terrorism, Security, and Espionage, Youth Unemployment and Terrorism in the MENAP Region, Stony Brook University, Stony Brook, NY (July 2014).
9. Paul, J. A., Bagchi, A., Ni, H. Coles College Brown Bag Series, Analysis of impact of Certificate of Need Law on healthcare quality and competition, Kennesaw, GA (February 2014).
10. Bagchi, A., Paul, J. A. Indian Institute of Management, Bangalore, A Game Theoretic Model for Resource Allocation in Cargo Container Security at Ports, Baltimore, MD (December 2013).
11. Paul, J. A., MacDonald, L. Defence Personnel Research Symposium, Models for efficient human resource allocation and capacity planning, Ottawa, Canada (June 2012).
12. A., MacDonald, L. Coles College Brown Bag Series, Models for workforce and capacity planning, Kennesaw, GA (March 2012).
13. Paul, J. A. Research Symposium on Health and Medical Systems, Determination of Number of Dedicated OR's and Supporting Pricing Mechanisms for Emergent Surgeries, Buffalo, NY (March 2012).
14. Maloni, M., Paul, J. A. Coles College Brown Bag Series, Optimizing USDA Food Aid Procurement, Kennesaw, GA (August 2007).

TEACHING

Kennesaw State University

August 2006 - Present

- **Econ 2300** Business Statistics
- **Econ 3300** Applied Statistical and Optimization Methods (Online and Face to Face)
- **Econ 4400** Special Topics (Hospital Operations and Procedures)
- **Econ 4850** Simulation Modeling and Analysis

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- **WebMBA 6040** Managerial Decision Analysis
- **Econ 8900** MBA Special Topics (Simulation Modeling and Analysis)
- **Independent Studies**
 - David Marius Gligor (Graduate) – Directed study (Fall 07)
 - Nathaniel Edmond (Undergraduate) – Directed study (Spring 08)
 - Chris Sefcik (Undergraduate) – Directed study (Spring 13 – 14)
 - David Kelly (Undergraduate) – Directed study (Spring 14)
- **Student Assistants**
 - Olivea McCollins (Undergraduate, 2015)
 - Surya Yelamanchili (Graduate, 2015)
 - Vinay Kumar Lingampally (Graduate, 2016)
 - Laura Betancourt (Undergraduate, 2017)
 - Abmarie Martinez (Undergraduate, 2017)
 - Claire Goran (Undergraduate, 2018)
 - Xianyu Gao (Undergraduate, 2019)
- **Graduate Research Assistants**
 - Jenny Wang (2009)
 - Bhanuja Dasoju (2020)

SERVICE

Department

- 2018– 2019 Promotion & Tenure Committee
- 2017– 2018 Promotion & Tenure Committee
- 2015 – 2016 Search Committee Member, Quantitative Analysis and Econometrician
Tenure Track Faculty Positions
- 2016 – 2017 Chair, Department Faculty Council
- 2015 - Present Member, Department Faculty Council
- 2009 - Present Course Coordinator, Econ 3300
- 2009 - Present Department Course Scheduling Committee

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- 2008 Department Representative, DBA Curriculum Development Committee

College

- 2019– Present Member, Strategic Planning Committee
- 2018– Present Chair, Coles Faculty Council
- 2017– Present Department Faculty Council Representative, Coles Faculty Council
- 2017 – Present Chair, Coles College Research Symposium Committee
- 2016 – Present WebMBA Program Coordinator
- 2016 – Present Chair, Coles College Summer Research Fellowship Committee
- 2012 – Present Member, Coles College Faculty Review Committee
- 2014 - Present Editor, Coles Working Paper Series
- 2014 – Present Reviewer, Coles Working Paper Series
- 2014 - Present Coordinator, Coles Research Seminar Series
- 2013 - 2014 Chair, Coles College Research and Development Committee
- 2013 - Present Course Lead, WebMBA 6040 Managerial Decision Analysis
- 2012 - Present Department Representative, Coles College Faculty Review Committee
- 2011 - Present Department Representative, Online BBA Committee
- 2012 - 2014 Department Representative, Coles College Research and Development Committee
- 2012 - 2013 Chair, Coles College Faculty Review Committee
- 2012 – 2013 Member, Special University Tenure & Promotion Committee
- 2010 - 2016 BBA Program Coordinator

Professional

- 2018 Session Chair, Decision Sciences Institute Conference, Chicago, IL
- 2018 T&P External Reviewer, Georgia College & State University
- 2017 Session Chair, Decision Sciences Institute Conference, Washington, D. C.

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- 2016 Session Chair, Decision Sciences Institute Conference, Austin, TX
- 2016 T&P External Reviewer, Georgia Southern University
- 2015 Member, Decision Sciences Institute Finance and Investment Advisory Committee
- 2015 Session Chair, Decision Sciences Institute Conference, Seattle, WA
- 2015 – Present Senior Member, American Society of Quality
- 2014 Invitee, Decision Sciences Institute Finance and Investment Advisory Committee
- 2014 – 2015 Member, Decision Sciences Institute Member Services Committee
- 2013 Session Chair, Decision Sciences Institute Conference, Baltimore, MD
- 2012 Session Chair, Decision Sciences Institute Conference, San Francisco, CA
- 2011 Session Chair, Decision Sciences Institute Conference, Boston, MA
- 2018 – 2019 Editorial Board, International Journal of R&D Innovation Strategy
- 2008 – 2019 Editorial Board, International Journal of Information Systems and Social Change
- 2006 – Present Reviewer, Operations Research, American Journal of Public Health, Production and Operations Management, Omega, International Journal of Production Economics, Transportation Research Part E: Logistics and Transportation Review, European Journal of Operational Research, Medical Decision Making, Accident Analysis and Prevention, Journal of Business Ethics, Nonprofit and Voluntary Sector Quarterly, Defence and Peace Economics, Health Care Management Review, Computers & Industrial Engineering, Computers & Operations Research, International Journal of Production Research, Journal of the Operational Research Society, European Journal of Industrial Engineering, Palgrave Communications, Engineering Optimization, Operations Research

JOMON A. PAUL

Perspectives, Computers in Human Behavior, Computers & Education, Scandinavian Journal of Trauma, Resuscitation and Emergency Medicine, Socio-Economic Planning Sciences, Service Science, IEEE- Transactions on Emerging Topics in Computing, Learning, Media and Technology, International Journal of Educational Research, Journal of Management Education, International Journal of Disaster Risk Reduction, Journal of Healthcare Engineering, Interactive Learning Environments Review, Decision Sciences Institute, Research in Transportation Business & Management, Handbook of Technology Management (Wiley), Coles College of Business Working Paper Series, Pearson Publishers

Community

2018 - Present Secretary, Mitsy Forest Community Association
2019 – Present Choir Member, Marthoma Church Atlanta

AFFILIATIONS

- American Society of Quality
- Decision Sciences Institute
- Institute for Operations Research and the Management Sciences

DEVELOPMENT ACTIVITIES ATTENDED

- Institutional Review Board, “Refresher Training and Certification”, (June 2014)
- Motor Vehicle Training, “KSU Driver Qualification Program & Training”, Kennesaw State University, (May 2014)
- Technology Training, “Desire 2 Learn Training Level 2”, Kennesaw State University, Kennesaw, GA. (November 2012; December 2012).

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- Technology Training, “Desire 2 Learn Training Level 1”, Kennesaw State University, Kennesaw, GA. (August 2012).
- Technology Training, "WIMBA", Kennesaw State University, Kennesaw, GA. (October 2011).
- Technology Training, "Panopto”, Kennesaw State University, Kennesaw, GA. (October 2011).
- Ethics Training, "BOR Ethics Training", BOR, Georgia. (December 2009; December 2011).
- Institutional Review Board, “Basic Training and Certification”, (March 2010)
- Technology Training, "Adobe Captivate Training Level 1”, Kennesaw State University, Kennesaw, GA. (October 2007).
- Workshop, "Quality Matters Workshop for Online Training Development", CETL – Kennesaw State University, Kennesaw, GA. (October 2007).
- Technology Training, "WebCT Vista Training Level 2", Kennesaw State University, Kennesaw, GA. (September 2006).
- Technology Training, "WebCT VISTA Training - Level 1", Kennesaw State University, Kennesaw, GA. (August 2006).

REFERENCES

Rajan Batta - Professor and Associate Dean for Faculty Affairs and Diversity, SEAS

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