

## **DR. ANDREW JOHNSON**

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### **CURRENT ROLES and RESPONSIBILITIES**

Associate Lecturer of Supply Chain and Operations Management, Department of Marketing, College of Business Administration, University of Central Florida (August 2017 - Present).

- Deliver lectures and tutorials for supply chain and operation management course and other marketing related courses as needed
  - Design, prepare, and develop courses and teaching materials
  - Ordering and updating the subject textbook and other resources
  - Managing student issues
  - Managing graduate assistant issues
  - Undertake personal research projects and actively contribute to UCF's research profile
  - Establish collaborative links with other institutions, as well as with industrial, commercial, and public organizations
  - Preparing and marking student assignments, essays, exams and providing one-on-one feedback on academic performance where necessary
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### **EDUCATION**

**Ph.D.** Rutgers University-Rutgers Business School, Newark and New Brunswick, NJ  
Received: August 2015  
Major: Supply Chain Management and Marketing Science

**Master of Business Administration**, Trident University International, Cypress, CA  
Received: June 2006  
Major: Human Resource Management

**Bachelor of Science**, Southern Illinois University, Carbondale, IL  
Received: January 2005  
Major: Workforce Education and Curriculum Development

**Associate of Science**, Community College of the Air Force, McGuire Air Force Base, NJ  
Received: May 2002  
Major: Logistics Management

**Academic Instructor Course Certificate**, Air University, Fort Dix, NJ  
Received: 2006

### **RESEARCH INTERESTS**

Supply Chain Management, Transportation, Operations Research, Inventory Control, Project Management, Operations Management, and Mission Critical Logistics

## TEACHING INTERESTS

Supply Chain Management, Operations Management, Risk Management, Global Logistics, Transportation, Project Management, Operations Research, Scheduling and Demand Planning, and Procurement

## REFEREED JOURNAL PUBLICATIONS

**Johnson, A.**, Zhao, Y., and Xu, X. (2016), “Transportation Planning and Scheduling for the 2014 Special Olympics USA Games,” *Interfaces*, Vol. 46 No 3.

**Johnson, A.**, Carnovale, C., Song, JM., & Zhao, Y. (2021), “Drivers of fulfillment performance in mission critical logistics systems: An empirical analysis,” *International Journal of Production Economics*, Vol 237 No 108138.

Zhao, Y., and **Johnson, A.** (2023), “Business Analytics: From Problem Solving to Problem Discovery,” *Journal of Supply Chain Management, Logistics, and Procurement*, Vol. 5, NO. 3, 1-26.

## RESEARCH IN PROGRESS

*A Theoretical Framework for Understanding Mission Critical Logistics* (with Carnovale, S. and Hazen, B.)

Target Journal: Rutgers Business Review

Phase: Literature Review (June 2025)

## REFEREED CONFERENCE PROCEEDINGS AND PRESENTATIONS

**Johnson, A.**, S. Carnovale, B. Hazen, and B. Boehmke, A Theoretical Framework for Understanding Mission Critical Logistics, *Decision Sciences Institute Annual Meeting* (Austin, TX, November 19-21, 2016)

**Johnson, A.**, Y. Zhao, and Xin Xu, Transportation Planning and Scheduling for the 2014 Special Olympics USA Games, *Production and Operations Management Society Annual Meeting* (Orlando, FL, May 6-9, 2016). **Served as co-chair for the Transportation and Logistics session**

**Johnson, A.**, S. Carnovale, and S. Yeniyurt, A Robust Risk Management Framework in the Services Supply Chain: A Just in Time Perspective, *INFORMS Annual Meeting* (Phoenix, AZ, October 14-17, 2012)

**Johnson, A.**, X. Xu, and Y. Zhao, Mission Critical Logistics – Advancements in Transportation Scheduling and Planning, *INFORMS Annual Meeting* (Phoenix, AZ, October 14-17, 2012)

**Johnson, A.**, S. Carnovale, and S. Yeniyurt, A Robust Risk Management Framework in the Services Supply Chain: A Just in Time Perspective, *Decision Sciences Institute Annual Meeting* (San Francisco, CA, November 17-20, 2012)

**Johnson, A.**, X. Xu, and Y. Zhao, Transportation Planning and Scheduling for the 2014

Special Olympics USA Games, *Decision Sciences Institute Annual Meeting* (San Francisco, CA, November 17-20, 2012)

### **STATEMENT OF RESEARCH PHILOSOPHY**

The purpose of my research is to understand and clarify the differences in standard logistical and management practices and what I deem to be mission critical logistics, either for private industries or governmental agencies. Associated with this I am primarily interested in the advantages that organizations can gain by better understanding and more effective management of their logistical processes. In addition, I am also interested in global supply chain management, transportation management, project management, strategic scheduling, and demand planning.

### **REVIEWING ACTIVITIES**

Reviewer, Rutgers Business Review – March 2016

Reviewer, Journal of Defense Analytics and Logistics – November 2017

Reviewer, Journal of the Operational Research Society – December 2018

Reviewer, Journal of Defense Analytics and Logistics – March 2019

Reviewer, Annals of Operations Research – May 2020

Reviewer, Journal of Defense Analytics and Logistics – February 2021

### **TEACHING EXPERIENCE**

*University of Central Florida*

**Marketing Research – two sections**

Fall 2017 – Student Evaluation 4.6/5

**Supply Chain and Operations Management – six sections (647 students)**

Spring 2018 – Student Evaluation 4.2/5

**Supply Chain and Operations Management – two sections (387 students)**

Summer B 2018 – Student Evaluation 4.6/5

**Supply Chain and Operations Management – six sections (943 students)**

Fall 2018 – Student Evaluation 4.4/5.0

**Supply Chain and Operations Management – six sections (925 students)**

Spring 2019 – Student Evaluation 4.4/5.0

**Supply Chain and Operations Management – three sections (351 students)**

Summer 2019 – Student Evaluation 4.5/5.0

**Supply Chain and Operations Management – six sections (918 students)**

Fall 2019 – Student Evaluation 4.4/5.0

**Strategic Supply Chain and Operations Management (PMBA) – one section (32 students)**

Fall 2019 – Student Evaluation 4.2/5.0

**Supply Chain and Operations Management – six sections (945 students)**

Spring 2020 – Student Evaluation 4.4/5.0

**Strategic Supply Chain and Operations Management (Evening MBA) – one section (66 students)**

Spring 2020 – Student Evaluation 4.3/5.0

**Supply Chain and Operations Management – three sections (517 students)**

Summer 2020 – Student Evaluation 4.6/5.0

**Strategic Supply Chain and Operations Management (Professional MBA) – three sections (75 students)**

Fall 2020 – Student Evaluation 4.8/5.0

**Strategic Supply Chain and Operations Management (Evening MBA & EMBA) – three sections (103 students)**

Spring 2021 – Student Evaluation 4.8/5.0

**Supply Chain and Operations Management – three sections (357 students)**

Summer 2021 – Student Evaluation 4.6/5.0

**Strategic Supply Chain and Operations Management (Professional MBA) - (20 students)**

Fall 2021 – Student Evaluation 4.7/5.0

**Strategic Supply Chain and Operations Management (MBA) – four sections (120 students)**

Spring 2022 – Student Evaluation 4.7/5.0

**Supply Chain and Operations Management – three sections (303 students)**

Summer 2022 – Student Evaluation 4.6/5.0

**Strategic Supply Chain and Operations Management (MBA) – two sections (42 students)**

Fall 2022 – Student Evaluation 4.8/5.0

**Strategic Supply Chain and Operations Management (MBA) – three sections (119 students)**

Spring 2023 – Student Evaluation 4.8/5.0

**Supply Chain and Operations Management – three sections (351 students)**

Summer 2023 – Student Evaluation 4.6/5.0

**Strategic Supply Chain and Operations Management (MBA) – one section (28 students)**

Fall 2023 – Student Evaluation 4.6/5.0

**Supply Chain and Operations Management – six sections (706 students)**  
Fall 2023 – Student Evaluation 4.5/5.0

**Strategic Supply Chain and Operations Management (MBA) – one section (9 students)**  
Spring 2024 – Student Evaluation 5.0/5.0

**Supply Chain and Operations Management – six sections (774 students)**  
Spring 2024 – Student Evaluation 4.6/5.0

*Rowan University*

**Business Logistics**  
Fall 2015 – Student Evaluation 4.6/5  
Fall 2016 – Student Evaluation 4.7/5

**Research Methods in Marketing**  
Summer 2015 – Student Evaluation 4.8/5  
Fall 2015 – Student Evaluation 4.7/5  
Spring 2016 – Student Evaluation 4.5/5  
**Competitive Advantage Through Supply Chain Management - MBA**  
Spring 2016 – 4.5/5

**Strategic Supply Chain Management**  
Spring 2016 – Student Evaluation 4.5/5

**Global Supply Chain Management**  
Fall 2016 – Student Evaluation 4.6/5

*Rutgers University – Camden*

**Total Quality Management**  
Spring 2014 – Student Evaluation 4.2/5

**Applied Business Statistics**  
Fall 2016– Student Evaluation 4.6/5

**STATEMENT OF TEACHING PHILOSOPHY**

I approach teaching as an ideal opportunity to connect theory to practice in an illustrative and captivating way for my students. I enjoy getting students interested in a subject and seeing them appreciate learning is very rewarding. To me, successful teaching culminates with students learning how to apply what I have taught them to their own lives and in the real world. My style of teaching is a three-phased approach: (1) an understanding phase, in which I gauge the level of knowledge about the specific topic; (2) a “build up” phase, where I help fill in the gaps to achieve learning; (3) an application phase, in which the students demonstrated that they have mastered the skill presented during the class. Lecturing to students using slides and prepared lecture notes is one of the teaching

methods that I use. Some of the other techniques I have found to be very useful include the use of audio-visual aids, informal classroom discussions, group assignments, case studies, in class assignments, simulation programs, and problem solving.

## **AWARDS**

- Doctoral Student Travel Grant (**\$800**), *INFORMS 2014 Annual Meeting*
- 2014 Deans Fund for Summer Ph.D. Research Assistantships (**\$4200**). Rutgers Center for Supply Chain Management, Rutgers-Newark
- 2014 Regional Supply Chain Management Case Study Competition Honorarium (**\$1500**). Rutgers Center for Supply Chain Management, Rutgers-Newark
- Doctoral Student Travel Grant (**\$750**), *INFORMS 2012 Annual Meeting*

## **MEMBERSHIPS**

- Production and Operations Management Society
- INFORMS
- Decision Sciences Institute

## **SPEAKING ENGAGEMENTS**

- APICS Professional Development Meeting: *Drivers of Fulfillment Performance in Mission Critical Logistics Systems: An Empirical Analysis*, November 2016
- Advance Scale Company: *Managing Supply Chain Disruptions*, September 2016
- Fairleigh Dickinson University: Transportation and Scheduling (MBA), 2016
- Ravago Americas: *Supply Chain Management and Big Data* workshop's 2019
- AMCO Polymers: *Supply Chain Management and Big Data* workshop's 2019
- Ravago Americas: *Demand Planning* workshop's 2021

## **PROFESSIONAL EXPERIENCE**

**Rowan University**, Assistant Professor of Supply Chain and Logistics, 2015 - 2017).

- Assisted with the development of the Supply Chain and Logistics 4-year major, culminating with Board of Trustees and State approval for Fall 2016
- Established the Rowan Supply Chain and Logistics Advisory Council
- Developed curriculum for the following courses: Global Supply Chain Management, Principles of Transportation, Strategic Supply Chain Management, and Competitive Advantage Through Supply Chain Management (MBA)
- Established the Supply Chain American Inventory and Production Control Society (APICS) Student Chapter club
- Served as moderator for Food Marketing and Supply Chain Management panel

**2014 Special Olympic USA Games**, Logistics Director, 2012-2014

Responsible for developing, documenting, and executing a comprehensive logistics and distribution strategic plan which will drive the success of an Olympic mega event. This includes venue build up, transportation, vendor relations, quality control, medical measures, airport operations, communications, waste management, and warehouse operations. Supervised seven commissioners and had oversight of 500+ volunteers.

- Developed a transportation system to transport 4,000+ athletes and coaches

- among 10 competition venues for 5 days, three special event locations, and airport arrival and departures under a \$600,000 budget - achieved 100% on time success rate.
- Responsible for the build-up and daily maintenance of 10 geographically separated competition venues – locations assembled according to sporting regulations.
- Successfully established and managed the logistics budget for seven departments – valued at \$1.5M.

**General Dynamics Information Technology, Sr. Functional Analyst, 2010-2011**

Prepared newly assigned Unit Deployment Managers (UDM) to execute responsibilities during standard Air Expeditionary Force rotational cycles as well as initial contingency deployment activities by utilizing deployment command and control systems.

Responsible for updating, delivering, and maintaining 11 lesson plans/student reference materials. Supervised three instructors ensuring personal and professional requirements are met.

- As lead researcher and instructor for #1 Air Force initiative, responsible for sustaining records of training plans, curriculum, training performed, and training attendees – taught 60 UDMs with positive instructor and course surveys.
- Maintained contact with governmental agencies and departments external to the United States Air Force Expeditionary Center in order to keep curriculum and teaching materials current – contract valued at over \$2M.
- Evaluated and analyzed the effectiveness of the UDM course material - conducted needs analysis research and conferred with leaders/clients to determine training needs.

**Supreme Fuels Trading, Deputy US Program Manager, 2010-2010**

Managed the achievement of Supreme Fuels Strategic Plan through the creation of commercial business planning models and objectives. Monitored and reported progress achieved against these objectives by fuels business units. Conducted deliberate planning operations in support of the Supreme Fuels operational and tactical business planning requirements. Managed the execution of the fuels supply plan valued at over \$1B annually.

- Sole US representative to customers, end-users and stakeholders for fuel operations. Liaised with US Military operational and strategic Headquarters – provide wide-ranging information on strategic fuel supply and direct supervision of operational fuel deliveries.
- Ensured compliance of terms and conditions of current LOGCAP IV contracts – developed and implemented seven contracts valued at \$100M.
- Analysis of international fuel supply chain from Turkmenistan and Pakistan – coordinated and assisted in the distribution of the NATO fuel for Afghanistan-- 25M US gallons per month.

**Special Olympics New Jersey, Law Enforcement Liaison, 2007-2010**

Managed 12-fundraising events, public and media relations, state committee relations, publications and communications. Administered \$2.2M operating budget and reviewed financial reports as necessary. Built ongoing and new sponsorship relationships. Guided and managed 8,200+ people.

- Responsible for the production and distribution of Law Enforcement state-wide press releases in or with television, radio, magazines, and newspapers.
- Technical grant writer for department – applied for and received \$65K in grants from apparel distributor.
- Spearheaded implementation of fundraising continuity books and operations checklists creating more cohesive, streamlined operations for all events – increased funds by \$200K and participants by 75% (1,110 people) in one year.

**MILITARY SERVICE****United States Air Force, Director of Operations, 1987-2007**

Managed and supervised the supply chain and logistical operations for the fuel operation division to ensure aircraft safety and operational readiness. Planned and executed safe fuel support for as many as 3,600 aircraft each year – 87M gallons of fuel worth \$100M+ annually. Oversaw finances and forecasted operational and maintenance fund requirements. Maintained inventory and resource equipment supply. Supervised 1,000+ personnel and directed \$60M in resource allocation with no discrepancies. Maintained and managed Department of Defense contractual agreements.

- Ensured 7,000+ members were adequately prepared for deployment in Operation Iraqi Freedom – planned 6-Air Force directed wartime exercises.
- Lead technical planner for Presidential directed exercise – assessed the operation of 360 Air Force members and \$30M in equipment with zero discrepancies/security issues.
- Orchestrated resource allocation and fund collection process to allow Federal Emergency Management Agency (FEMA) to use McGuire Air Force Base as command post quickly after September 11<sup>th</sup> terrorist attack.
- Coordinated and led refueling operations with 625K+ gallons of aviation fuel for 249-nuclear weapon transport aircraft as part of Nuclear Program support.