

# **DOTHANG TRUONG, Ph.D., CSCP**

Professor of Doctoral Studies  
Department of Doctoral Aviation, College of Aviation  
Embry Riddle Aeronautical University  
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## **Education**

Ph.D., The University of Toledo, Toledo, Ohio, Manufacturing Management (specialization: Information Systems and Supply Chain Management), 2004  
M.B.A., Asian Institute of Technology, Bangkok, Thailand, Management of Technology, 1997  
B.E., Hanoi University of Technology, Hanoi, Vietnam, Industrial Automation, 1994

## **Professional Certificate**

Certified Supply Chain Professional (CSCP) –The Association for Operations Management (APICS), July 2008-present

## **Training Certificate**

SAS Enterprise Miner: Advanced Predictive Modeling Using SAS Enterprise Miner Certification  
SAS Enterprise Miner: Survival Data Mining Using SAS Enterprise Miner Certification  
SAS Enterprise Miner: Applied Analytics using SAS Enterprise Miner Certification  
STATISTICA Data Miner Training Certification  
STATISTICA Automated Neural Network Training Certification

## **Memberships**

Transportation Research Board (TRB) - Airport Corporative Research Program (ACRP), AV040 - Aviation Economics and Forecasting Committee, USA  
Transportation Research Board (TRB) - ADD20 - Social and Economic Factors of Transportation Committee, USA  
The Association for Operations Management (APICS), USA  
Decision Science Institute (DSI) Conference, USA  
Institute for Operations Research and the Management Sciences (INFORMS), USA  
Beta Gamma Sigma, The International Honor Society for Business Programs, USA  
SIGMA IOTA EPSILON (The National Honorary and Professional Management Fraternity), Iota Phi Chapter, USA

## **Academic Experience**

2017 – present: **Professor of Doctoral Studies**  
Embry Riddle Aeronautical University  
Daytona Beach, FL

- 2011 – 2017:       **Associate Professor of Doctoral Studies**  
Embry Riddle Aeronautical University  
Daytona Beach, FL
- 2009 – 2010:       **Associate Professor/Department Coordinator**  
Fayetteville State University  
Fayetteville, NC
- 2003 – 2009:       **Assistant Professor**  
Fayetteville State University  
Fayetteville, NC

### **Business Experience**

- 2008 - 2010:       **Internet and Technology Manager**  
American Institute of Higher Education  
North Carolina, USA

### **Research Expertise**

Transportation Management  
Supply Chain and Logistics Management  
Risk Assessment, Modeling, and Decision Support  
Data Mining and Predictive Modeling  
Cloud Computing and Internet of Things  
Technology Acceptance Model and Theory of Planned Behavior  
Resource-Based View Theory  
Research Methodology and Advanced Multivariate Statistics  
Structural Equation Modeling  
Data Envelopment Analysis

### **Research Interests**

Airline Efficiency Evaluation  
Low Cost Carriers: Passenger Behavior and Buying Intention  
Market Segmentation for Airlines and LCC Passengers  
Predictive Modeling for a Complex and Dynamic System  
The Internet of Things for Aviation: Implementation and Risk Management  
Risk Assessment Model for Small Unmanned Aircraft Systems  
Risk Perception and Behavioral Intention Model for Passenger Choice for Airports and Airlines  
Evaluation Model for SMS Effectiveness

### **Courses Taught**

Advanced Quantitative Data Analysis – Data Mining and Modeling (doctoral level)  
Quantitative and Qualitative Data Analysis (doctoral level)  
Operations Research and Decision Making (doctoral level)  
Research Methods (doctoral level)

## Peer-Reviewed Journal Publications

1. Buaphiban, T., & Truong, D. (2017). Evaluation of Passengers' Buying Behaviors toward Low Cost Carriers in Southeast Asia. *Journal of Air Transport Management*, 59, 124-133.
2. Truong, D., Friend, M., & Cheng, H. (2017). Applications of Business Analytics in Predicting Flight On-time Performance. *Transportation Journal*, forthcoming. (in press)
3. Hunt, J., Petitt, K., & Truong (2017). Efficiency Evaluation of Low-Cost Long-Haul Carriers in the Trans-Atlantic and Asia-Pacific Markets. *International Journal of Aviation Systems, Operations and Training*, 3(1), 36-50.
4. Truong, D. (2016). Developing Airline Segmentation Based on the On-time Performance. *International Journal of Aeronautical Science & Aerospace Research*, 3(5), 131-140.
5. Tian, Y., Chen, H., & Truong, D. (2016). A case study to identify secondary crashes on interstate highways in Florida by using Geographic Information Systems (GIS). *Advances in Transportation Studies, an International Journal*, 2, 103-112.
6. Jitpaiboon, T., Gu, Q., & Truong, D. (2016). Evolution of Competitive Priorities towards Performance Improvement: A Meta-Analysis. *International Journal of Production Research*, 54(24), 7400-7420.
7. Truong, D. & Jitpaiboon, T. (2016). How Can Agile Methodologies Be Used to Enhance the Success of Information Technology Projects? *International Journal of Information Technology Project Management*, 7(2), 1-16.
8. Truong, D. (2016). The Relationship between B2B E-Procurement Types and the Purchasing Portfolio: An Empirical Study. *International Journal of Knowledge Based Organization*, 6(2), 56-70.
9. Truong, D. (2015). Efficiency and Risk Management Models for Cloud-Based Solutions in Supply Chain Management. *International Journal of Business Analytics*, 2(2), 14-30.
10. Truong, D. (2014). How to Design a Mobile Application to Enhance Teaching and Learning? *International Journal of Emerging Technologies in Learning*, 9(3), 4-11.
11. Truong, D., Le, T.T., Senecal, S., and Rao, S. (2012). Electronic Marketplace: A Distinct Platform for B2B Procurement. *Journal of Business to Business Marketing*, 19(3), 216-247.
12. Truong, D. and Bhuiyan, M (2011). E-Entrepreneurship: A Comparison among Industry Sectors. *International Journal of Management & Information Systems*, 15(2), 9-21.
13. Truong, D. (2010). How Cloud Computing Enhances Competitive Advantages: A Research Model for Small Businesses. *The Business Review, Cambridge*, 15(1), 59-65.
14. Truong, D. and Bhuiyan, M. (2009). E-Market and Entrepreneurship. *International Journal of Entrepreneurship*, 13, 1-22.
15. Truong, D. (2008). An Empirical Study of Business-To-Business Electronic Marketplace Usage: The Impact of Buyers' E-Readiness. *Journal of Organizational Computing and Electronic Commerce*, 18(2), 112-130.
16. Truong, D. & Jitpaiboon, T. (2008). How IT-Purchasing Preparedness Facilitates E-Marketplace Usage. *Journal of Enterprise Information Management*, 21(1), 198-218.

17. Truong, D. (2007). A Theoretical Framework for Radio Frequency Identification and Supply Chain Management. *International Journal of Business and Public Administration*, 4(1), 90-100.
18. Truong, D. (2007). Using Spreadsheet Simulation to Evaluate the Expected Value of Solutions to Increasing Click-Through Rates for Banner Ads. *Review for Business Research*, 7(3), 224-229.
19. Rao, S., Truong, D., Senecal, S., & Le, T. T. (2007). How Buyers' Expected Benefits, Perceived Risks, and e-Business Readiness Influence their E-Marketplace Usage. *Industrial Marketing Management*, 36(8), 1035-1045.
20. Tavakoli, A., Gurley, K., & Truong, D. (2006). A Cross-Cultural Study of Whistle-blowing: Comparison of Attitudes and Intentions between Russian and American Managers. *International Journal of Business and Economics Perspectives*, 1 (2), 11-25.
21. Jitpaiboon, T., Park, J. A., & Truong, D. (2006). The Effects of Employee Autonomy, Top Management Support, and Pride on Performance of Hotel Employees. *Review of Business Research*, 6 (3), 71-76.
22. Truong, D. & Nguyen, V. T. (2006). How Purchasing Organizations Use Web-Based Marketplace: An Empirical Study in America. *Journal of Academy of Business and Economics*, 6 (1), 183-188.
23. Truong, D. (2005). Methodologies for Evaluating the Investment in Electronic Data Interchange. *International Journal of Enterprise Information Systems*, 1 (3), 55-67.
24. Le, T. T., Rao, S., & Truong, D. (2004). Industry-Sponsored Marketplaces: a Platform for Supply Chain Integration or a Vehicle for Market Aggregation? *Electronic Markets - the International Journal*, 14 (4), 1-14.
25. Deng, X., Doll, W. J., & Truong, D. (2004). Computer self-efficacy in an ongoing use context. *Behaviour & Information Technology*, 23 (6), 395-412.

### **Books and Book Chapters**

1. Truong, D. (2009). B2B Electronic Marketplace Usage from the Buyer Perspective. Saarbrücken: LAP Lambert Academic Publishing. ISBN-13: 978-3838318233.
2. Truong, D., (2007). "Using Simulation to Evaluate The Use of Electronic Data Interchange", In Angappa Gunasekaran (Ed.) *Modelling and Analysis of Enterprise Information Systems*, (pp. 184-201). Hersey, PA: Idea Group Publishing.
3. Le, T. T., Rao, S., & Truong, D. (2002). A managerial perspective on E-Commerce: Adoption, Diffusion, and Cultural Issues. In Angappa Gunasekaran (Ed.) *Knowledge and Information Technology Management*, (pp. 251-266). Hersey, PA: Idea Group Publishing.

### **Conference Proceedings**

1. Hampton, S., Byrne, K., & Truong, D. (2017). Pilot Training Metrics at a Part 141 University Training Program. *American Institute of Aeronautics and Astronautics (AIAA) Proceedings*. Denver, CO: American Institute of Aeronautics and Astronautics (AIAA).
2. Pan, J., & Truong, D. (2017). How passengers select an airport in a multiple airport system – A preliminary study in Beijing. *Proceedings of the AIB-Midwest 2017 Conference*. Chicago, IL: MBAA International Conference.

3. Jitpaiboon, T., Gu, Q., & Truong, D. (2015). The Study toward a Measure of Competitive priorities: Meta-Analysis. In A. Mackelprang (Ed.), *Decision Sciences Institute: 2015 Proceedings* (pp. 1-6). Seattle, WA: Decision Sciences Institute.
4. Truong, D. (2014). Cloud-Based Solutions for Supply Chain Management: A Post-Adoption Study. In J. Zhu (Ed.), *American Society of Business and Behavioral Sciences: Proceedings 2014* (pp. 697-708). Las Vegas, NV: American Society of Business and Behavioral Sciences.
5. Truong, D. (2012). Development of an Apple Application to Enhance Student Learning Outcomes. In H. Kaynak (Ed.), *Decision Sciences Institute: 2012 Proceedings* (pp. 101-110). San Francisco, CA: Decision Sciences Institute.
6. Truong, D. (2010). A Research Model for RFID-Enabled Supply Chain Integration Using Resource-Based View Theory. In A. Asllani and F. Miah (Eds.), *2010 American Institute of Higher Education-Proceedings* (pp. 534-540). Williamsburg, VA: American Institute of Higher Education.
7. Truong, D. (2009). How Are Electronic Marketplaces Different among Industry Sectors? In A. Asllani and F. Miah (Eds.), *2009 American Institute of Higher Education-Proceedings* (pp. 407-409). Nashville, TN: American Institute of Higher Education.
8. Truong, D. and Bhuiyan, M. (2008). How E-Market Can Help New Businesses: Empirical Analysis of Its Benefits and Challenges. In A.D. Ross (Ed.), *Decision Sciences Institute: 2008 Proceedings* (pp. 5161-5166). Baltimore, MD: Decision Sciences Institute.
9. Lari A, Lari N, Truong D. (2008). The Framework of an IT-enhanced System Designed to Improve Quality of Patients Care. In K. Dubas and D. Truong (Eds.), *2008 American Institute of Higher Education-Proceedings* (pp. 227-233). Orlando, FL: American Institute of Higher Education.
10. Truong D., Le, T.T., Senecal, S., Rao, S. (2008). Are All Types of Electronic Marketplaces the Same From Buyers' Perception? In K. Dubas and D. Truong (Eds.), *2008 American Institute of Higher Education-Proceedings* (pp. 139-144). Orlando, FL: American Institute of Higher Education.
11. Truong, D. (2007). An Empirical Study of Market Accessibility, Perceived Distrust, and Supplier Integration in the E-Market Context. In R.J. Pavur (Ed.), *Decision Sciences Institute: 2007 Proceedings*. Phoenix, AZ: Decision Sciences Institute.
12. Jitpaiboon, T., Dangol, R. , Truong, D. (2007). The Study of Supply Chain Integration (SCI) and Organizational Performance Using Hierarchical Linear Modeling: A Comparative Study of SMEs vs. LEs. In R.J. Pavur (Ed.), *Decision Sciences Institute: 2007 Proceedings*. Phoenix, AZ: Decision Sciences Institute.
13. Jitpaiboon, T., Dangol, R. , Truong, D. , & Thatte, A. (2007). Comparative Effects of Supply Chain Integration on Performance Between SMEs and LES Using Hierarchical Linear Modeling. *Midwest Business Administration Association (MBAA) International Proceedings*. Chicago, IL: Midwest Business Administration Association.
14. Truong, D. (2006). How Radio Frequency Identification Technology Enhances Supply Chain Management. In M. Cline (Ed.), *Decision Sciences Institute: 2006 Proceedings*. San Antonio, TX: Decision Sciences Institute.
15. Truong, D. (2006). How Organizations use E-Marketplaces for Purchasing: An Empirical Comparison to Company Size and Industry Sectors. In M. Cline (Ed.),

- Decision Sciences Institute: 2006 Proceedings*. San Antonio, TX: Decision Sciences Institute.
16. Truong, D. (2006). An Empirical Study of Business-to-Business Electronic Marketplace Usage from Buyer Perspective. *The International Symposium on Management, Engineering and Informatics Proceedings*. Orlando, FL: International Symposium on Management, Engineering and Informatics.
  17. Truong, D., Le, T. T., & Rao, S. (2005). Business-to-Business Electronic Marketplace Usage for Purchasing and the Impact of Buyers' E-Readiness. *The 16th Annual North American Research/Teaching Symposium on Purchasing and Supply Management Proceedings*. Tempe, AZ: Institute for Supply Management.
  18. Tavakoli, A., Truong, D., & Nguyen, V. T. (2005). The Usage of Web-Based Marketplaces for Purchasing: An Empirical Study in America. *The International Symposium on Management, Engineering and Informatics Proceedings*. Orlando, FL: International Symposium on Management, Engineering and Informatics.
  19. Truong, D., Le, T. T., Rao, S. , & Nguyen, V. T. (2005). How Information Technology Usage for Facilitating the Purchasing Process Influences the Extent of Electronic Marketplace Usage. In J. Jayaram (Ed.), *Decision Sciences Institute: 2005 Proceedings*. San Francisco, CA: Decision Sciences Institute.
  20. Le, T. T., Rao, S. , & Truong, D. (2004). Expected Benefits And Usage of Business-To-Business Electronic Marketplaces. *Proceedings of The 7th International Conference on E-Commerce Research*.
  21. Truong, D., Le, T. T., & Rao, S. (2004). The Correlation between E-Readiness and Electronic Marketplace Usage: An Empirical Study From The Buyer Perspective. *COLLECTeR LatAm 2004 Proceedings*. Santiago, Chile: Collaborative Electronic Commerce Technology and Research.
  22. Le, T. T., Rao, S., & Truong, D. (2004). Buyer's Perspective on Industry-Sponsored Marketplaces. An Empirical Study. In J.E. Kendall (Ed.), *Decision Sciences Institute: 2004 Proceedings*. Boston, MA: Decision Sciences Institute.
  23. Truong, D. & Rao, S. (2003). How Electronic Marketplaces Facilitate Global Sourcing Performance. *Midwest Business Administration Association (MBAA) International Proceedings*. Chicago, IL: Midwest Business Administration Association.
  24. Truong, D. & Le, T. T. (2003). Perceived values of B2B E-marketplaces from Buyer and Seller perspectives. In M. Ebrahimpour (Ed.), *Decision Sciences Institute: 2003 Proceedings*. Washington, DC: Decision Sciences Institute.
  25. Truong, D. (2003). How The Advent of Internet affects EDI Usage. In M. Ebrahimpour (Ed.), *Decision Sciences Institute: 2003 Proceedings*. Washington, DC: Decision Sciences Institute.
  26. Mett, G. A., Truong, D., & Rao, S. (2002). E-Commerce Strategy Context and Choice For Small And Medium- Sized Enterprises. *Midwest Business Administration Association (MBAA) International Proceedings*. Chicago, IL: Midwest Business Administration Association.
  27. Truong, D. & Rao, S. (2002). The Moderating Effect of Information Systems and Technology in Supplier Quality Performance. *Midwest Business Administration Association (MBAA) International Proceedings*. Chicago, IL: Midwest Business Administration Association.

28. Truong, D., Subedi, D., & Rachamadugu, R. (2002). Methodologies for Evaluating the Value for Electronic Data Interchange (EDI). *Decision Sciences Institute: 2002 Proceedings*. San Diego, CA: Decision Sciences Institute.
29. Truong, D., Le, T. T., & Rao, S. (2002). The Buyer Perspective on Electronic Marketplaces ' Inter-Organizational Information Systems (IOIS). *Decision Sciences Institute: 2002 Proceedings*. San Diego, CA: Decision Sciences Institute.
30. Truong, D. & Rao, S. (2002). Development of a Contingency Model for Adoption of Electronic Commerce. *Decision Sciences Institute: 2002 Proceedings*. San Diego, CA: Decision Sciences Institute.

## Conference and Research Presentations

1. Hampton, S., Byrne, K., & Truong, D. (2017). Pilot Training Metrics at a Part 141 University Training Program. American Institute of Aeronautics and Astronautics (AIAA) AVIATION Forum, May 5-9. Denver, CO.
2. Truong, D. (2017). Using Four-Step Cluster Analysis to Develop Airline Segmentation. The 2017 INFORMS Conference on Business Analytics & Operations Research, April 2-4. Las Vegas, NV.
3. Pan, J., & Truong, D. (2017). How passengers select an airport in a multiple airport system – A preliminary study in Beijing. MBAA International Conference, March 22-24. Chicago, IL.
4. Truong, D. (2016). How to Integrate Research Into Online Doctoral Business Analytics Courses? Decision Sciences Institute: 2016 Conference, November 19-22. Austin, TX.
5. Buaphiban, T., & Truong, D. (2016). How Do Passengers Select Low Cost Carriers? Decision Sciences Institute: 2016 Conference, November 19-22. Austin, TX.
6. Stolzer, A., Friend, M., & Truong, D. (2016). Measuring and Evaluating Safety Management System Effectiveness Using Data Envelopment Analysis. Fall Assembly on Faculty Research, November 15. Embry-Riddle Aeronautical University, Daytona Beach, FL.
7. Friend, M.A., Stolzer, A., & Truong, D. (2016). Evaluating SMS: What tools work well? American Society of Safety Engineers Professional Development Conference, June 26-29. Atlanta, GA.
8. Truong, D. (2015). Selecting Appropriate E-Procurement Solutions for Your Purchase Needs. Decision Sciences Institute: 2015 Conference, November 21-24. Seattle, WA.
9. Jitpaiboon, T., Gu, Q., & Truong, D. (2015). The Study toward a Measure of Competitive priorities: Meta-Analysis. Decision Sciences Institute: 2015 Conference, November 21-24. Seattle, WA.
10. Truong, D., Chen, H. (2015). Prediction Modeling for a Complex and Dynamic System. INFORM Conference on Business Analytics & Operations Research, March 30 – April 1. Huntington Beach, LA.
11. Tian Y., Chen H., Truong D., and Correa N. (2015). Identifying Secondary Crashes in Geographic Information Systems (GIS) : A Case Study of Interstate Highways in the State of Florida. 28TH ICTPA Annual Conference, May 14-16. Los Angeles, CA.
12. Truong, D. (2014). Cloud-Based Solutions for Supply Chain Management: A Post-Adoption Study. American Society of Business and Behavioral Sciences Conference, February. Las Vegas, NV.

13. Truong, D. (2012). Development of an Apple Application to Enhance Student Learning Outcomes. Decision Sciences Institute: 2012 Conference, November 24-26. San Francisco, CA.
14. Truong, D. (2012). Cloud-Based Supply Chain. APICS Orlando - Mid Florida Chapter, May 8. Orlando, FL.

### **Doctoral Dissertation Advising**

1. Dissertation Chair: “Cheap flights across the Atlantic: Impact of low-cost long-haul trans-Atlantic flights on passenger choice of carrier”. Ph.D. Candidate: Jennifer Hunt (ongoing)
2. Dissertation Chair: “Using Data Mining to Predict Airport Arrival-Rates Based on Weather Factors”. Ph.D. Candidate: Robert Maxson (ongoing)
3. Dissertation Chair: “Evaluating Airline Efficiencies Based on Environmental Impact and Fleet Composition”. Ph.D. Candidate: Arun Saini (ongoing)
4. Dissertation Chair: “Passengers’ Choice between Low-Cost Carriers and High Speed Rail in China”. Ph.D. Candidate: Jane Pan (proposal is approved)
5. Dissertation Chair: “Applications of the Technology Acceptance Model to Integration of the Automatic Ground Collision Avoidance System in Fighter Aircraft Operations”. Ph.D. Candidate: Casey Richardson (proposal is approved)
6. Dissertation Chair: “Visual Conflict Resolution between Manned and Unmanned Aircraft: A Predictive Simulation Model”. Ph.D. Candidate: Greg Woo (proposal is completed)
7. Dissertation Chair: “Determinant Factors for Passengers' Airline Selection Decision: A Study of Low Cost Carriers in Thailand”. Ph.D. Candidate: Thapanat Buaphiban (defended, 2015)
8. Dissertation Chair: “Identification of Causal Paths and Prediction of Runway Incursion Risk Using Bayesian Belief Networks”. Ph.D. Candidate: Benjamin Goodheart (defended, 2013) – ACRP Graduate Research Award
9. Dissertation Committee: “Examination of SURF-IA Alerting Outcomes for Serious Runway Incursion Incidents”. Ph.D. Candidate: Robert Joslin (defended, 2013)
10. Dissertation Committee: “Airline Restructuring Strategies and Post-bankruptcy Performance”. Ph.D. Candidate: Harold Townsend (defended, 2014)
11. Dissertation Committee: “Predicting the Market Share of a Proposed Second Airport in Lagos Using a Combination of Methods”. Ph.D. Candidate: Samson Fatokun (defended, 2016)
12. Dissertation Committee: “The Effect of IS-BAO Implementation and Leadership Performance on Safety Culture in Business Aviation Flight Operations”. Ph.D. Candidate: Chris Broyhill (defended, 2016)
13. Dissertation Committee: “The Effects of Safety Culture and Ethical Leadership on Organizational Commitment and Safety Performance“. Ph.D. Candidate: Kevin O’Leary (defended, 2016)



## Research Grants

### Funded Grants

1. Project Investigator: “Determining The Effectiveness of Safety Management Systems: A Research Investigation” (with Alan Stolzer and Mark Friend) (funded, \$150,000.00) – Federal Aviation Administration (FAA), 2014-2015.
2. Principal Investigator: “Prediction of Flight Delays Using Data Mining and Bayesian Inference Methods” (funded, \$11,987.00) (with Hongyun Chen) - Embry-Riddle Aeronautical University, 2013.
3. Co-Principal Investigator: “Identifying and Investigating Secondary Crashes by Using Geographic Information System (GIS)” (with Hongyun Chen) (funded: \$12,314.00) - Embry-Riddle Aeronautical University, 2013.
4. Principal Investigator: "Develop Apple iphone/ipod/ipad applications to enhance student learning outcomes in HBCUs" (funded: \$4000.00) - Fayetteville State University, 2010.
5. Principal Investigator: “E-Market and Entrepreneurship” (funded: \$4000.00) - Center for Entrepreneurship, Fayetteville State University, 2008.

### Submitted Grants

1. Principal Investigator: “Quantitative Risk Assessment Model For Small UAS With Beyond-Visual-Line-Of-Sight (BVLOS) Operations in Populated Areas” (with Mark Friend and Alan Stolzer) (\$500,000.00) – The FAA’s Center of Excellence for UAS Research ASSURE, pending. *(The topic is accepted and the statement of work has been issued. Waiting for the sponsor)*
2. Principal Investigator: “Permitted Airport Involvement in Economic Development Efforts” (with Mark Friend and John Sabel) (\$45,000.00) - Transportation Research Board (TRB)/Airport Corporative Research Program (ACRP), 2016.
3. Co-Principal Investigator: “Legal Issues Related to the Implementation and Operation of Safety Management Systems for Airports” (with Mark Friend and John Sabel) (\$60,000.00) - Transportation Research Board (TRB)/Airport Corporative Research Program (ACRP), 2016.
4. Project Team Member: “Institute for Global Air Transport Analytics (IGATA) – An ERAU Center of Research Excellence” (PI: Bowen, B.D.; Co-PIs: Holt, T.B., Vasigh, B., Ison, D., Burgess, S., Fink, M.) (\$50,000.00) - Embry-Riddle Aeronautical University – Accelerate Research Initiative, 2016. *(The pre-proposal is approved)*
5. Co-Principal Investigator: “Developing Innovative Strategies for Aviation Education and Participation” (with Mark Friend and Kadie Mullins) (\$350,000.00) - Transportation Research Board (TRB)/Airport Corporative Research Program (ACRP), 2016.
6. Co-Principal Investigator: “Safety and Health for Aviation Employees in SMS-Compliant Operations” (with Mark Friend and Alan Stolzer) (\$394,088.00) – National Institute of Health (NIH), 2016.
7. Principal Investigator: “Internet of Things for Airports” (with Mark Friend, Chunyan Yu, and Kiljae Lee Lee) (\$60,000.00) - Embry-Riddle Aeronautical University – Accelerate Research Initiative, 2016.
8. Co-Principal Investigator: “Impact of System-Wide Implementation of SMS in the Airline Industry” (with Mark Friend and Maxwell Fogleman) (\$60,000.00) - Embry-Riddle Aeronautical University – Accelerate Research Initiative, 2016.

9. Co-Principal Investigator: “Center for Applied ATM/sUAS Operations Research (CAAOR)” (with Dahai Liu, William Coyle, John Robins, Tom Harritos, Massood Towhidnejad, and Dennis Vincenziand) (\$150,000.00) - Embry-Riddle Aeronautical University – Accelerate Research Initiative, 2016.
10. Principal Investigator: “Task 23 - AJI-2 Customer Satisfaction Process” (with Mark Friend) (\$98,127.00) – The FAA’s Air Transportation Center of Excellence for Technical Training and Human Performance AERIS, 2016.
11. Principal Investigator: “Enterprise Risk Management Guidebook for the Internet of Things at Airports” (with Mark Friend and Robert T. Raffel) (\$400,000.00) – Transportation Research Board (TRB)/Airport Corporative Research Program (ACRP), 2016.
12. Principal Investigator: “How Can Internet of Things (IoT) Drive Innovation at Airports to Improve The Productivity and Outcomes?” (with Mark Friend) (\$20,000.00) - IBM Center for The Business of Government, 2016.
13. Co-Principal Investigator: “Can SMS Lower The Injury-Illness Rate Among Airline Employees?” (with Mark Friend) (\$20,000.00) - IBM Center for The Business of Government, 2016.
14. Co-Principal Investigator: “Employee Safety and Health for Small Manufacturers” (with Mark Friend and Alan Stolzer) (\$299,719.00) - American Society for Engineering Education, 2015.
15. Principal Investigator: “Airport Contract Risk Management for Airport Agreements” (with Mark Friend and John Sabel) (\$65,000.00) - Transportation Research Board (TRB)/Airport Corporative Research Program (ACRP), 2014.
16. Principal Investigator: “Assessing and Mitigating Risks Associated with Using Commercial Unmanned Aerial Vehicles (UAVs) for Package Delivery” (with Mark Friend and Greg Woo) (\$20,000.00) – IBM Center for The Business of Government, 2014.
17. Principal Investigator: “Academic vs. Non-Academic Jobs: Doctorate Recipients’ Career Decision and Job Satisfaction” (\$38,790.00) – Association for Institutional Research (AIR), 2014.
18. Principal Investigator: “NextGen - A Primer” (with Steven Hampton and Mark Friend) (\$600,000.00) - Transportation Research Board (TRB)/Airport Corporative Research Program (ACRP), 2014.
19. Co-Principal Investigator: “Improving Stakeholder Engagement in Aircraft Accident Planning” (with Mark Friend and Alan Stolzer) (\$500,000.00) - Transportation Research Board (TRB)/Airport Corporative Research Program (ACRP), 2014.
20. Co-Principal Investigator: “Runway Protection Zone (RPZ) Risk Assessment Tool” (with Alan Stolzer and Mark Friend) (\$400,000.00) - Transportation Research Board (TRB)/Airport Corporative Research Program (ACRP), 2014.
21. Principal Investigator: “A Success Model of IT Projects using Agile Development Methodology” (\$45,305.00) - Project Management Institute (PMI), 2013.
22. Principal Investigator: “Alternative IT Delivery Methods and Best Practices for Small Airports” (with Hongyun Chen) (\$100,000.00) –Transportation Research Board (TRB)/Airport Corporative Research Program (ACRP), 2013.
23. Principal Investigator: “Benchmarking and Risk Optimization Models for Cloud-Based Solutions” (\$345,367.00) - National Science Foundation (NSF), 2012.

24. Principal Investigator: "Cloud Computing For Small and Medium Businesses" (\$59,692.00) – Google Faculty Research, 2012.
25. Co-Principal Investigator: "Improving HBCUs' Students Marketability by Investment in IT-STEM Training," (submitted: \$1,641,762) –National Science Foundation (NSF), 2006.
26. Co-Principal Investigator: "BPC-DP: Enhancing IT education and career opportunities for post-secondary minority students," (submitted: \$631,428) –National Science Foundation (NSF), 2005.

## **External Service**

### **Professional Committees**

- Committee Member: AV040 - Aviation Economics and Forecasting Committee, Transportation Research Board (TRB) (2014 - present)
- Committee Member: Airport Corporate Research Program (ACRP) Graduate Research Committee (Ad Hoc - 2014)
- Friend of the Committee: ADD20 - Social and Economic Factors of Transportation, Transportation Research Board (TRB) (2016 - present)
- Member: APICS Mid-Florida Chapter, Orlando, FL (2012 – present)
- Member: Decision Sciences Institute (2010-present)

### **Editorial Review Board and Invited Reviewer**

- International Journal of Aeronautical Science & Aerospace Research (Editorial review board)
- International Journal of Aviation Systems, Operations and Training (Editorial review board)
- Journal of Applied Business Discipline (Editorial review board)
- Journal of Air Transport Management
- Risk Analysis Journal
- International Journal of Physical Distribution & Logistics Management
- Journal of Transportation Research Board
- The Open Cybernetics & Systemics Journal
- Benchmarking: International Journal
- Journal of Enterprise Information Management
- Journal of Organizational Computing and Electronic Commerce
- ACRP problem statements review
- TRB conference paper review
- ERAU FIRST program proposal review

### **Book / Textbook Reviewer**

1. *Business Analytics* by Evans, 2<sup>nd</sup> edition, Pearson, 2015.
2. *Essentials of Business Analytics* by Camm, Cochran, Fry, Ohlmann, Cengage Learning, 2014.
3. *Foundations of Electronic Commerce: Strategy-driven Technology* by Tirwana and Bush, Prentice Hall.
4. *Introduction to Management Science* by Taylor, 8th edition, Prentice Hall.

5. *Business Driven Technology* by Haag et al., 'Operations Management' by Stevenson, 8th edition, McGraw-Hill/Irwin.
6. *Operations Management* by Russell and Taylor, 5th edition, John Wiley & Sons.

### **Conference Paper Reviewer**

- Decision Science Institute (DSI) Conference
- Transportation Review Board (TRB)

### **Program Chair of Academic Conferences**

- 2008 American Institute of Higher Education Conference

### **Session Chair of Academic Conferences**

- Decision Science Institute (DSI) Conference
- American Society of Business and Behavior Science (ASBBS)
- American Institute of Higher Education Conference
- Clute Institute Conference
- International Academy of Business and Public Administration Disciplines (IABPAD) Conference
- The International Symposium on Management, Engineering and Informatics

### **Service to the Community**

- Presentation: “Using Small Unmanned Aircraft Systems (sUAS) for Logistics: Benefits and Challenges”, APICS Mid-Florida Chapter, Orlando, FL (scheduled for May 2017)
- Presentation: “Cloud-Based Supply Chains”, Mid Florida APICS Chapter, Orlando, Florida, 2012
- Presentation: “Business-guide web portal system in Cumberland County”, Cumberland County Business Council (CCBC), North Carolina, 2008
- State Employee's Combined Campaign (SECC) - Team Captain, North Carolina, 2008-2010

## **Internal Service**

### **University Committee**

- Faculty Senate
- Faculty Senate Faculty Development and Benefits Committee
- Academic Computing and Campus Services Committee

### **College Committee**

- Dean's Search Committee
- Chapter Advisor of Beta Gamma Sigma Honor Society
- Student Quality Committee
- AACSB committee
- MBA Curriculum Committee

### **Departmental Committee**

- Admission Committee

- Assessment Committee
- Qualifying Exam Committee
- Search Committee

## **Awards - Honors**

### **Awards**

1. 2014 Blackboard Exemplary Course Award: DAV726- Quantitative and Qualitative Data Analysis
2. School of Business & Economics' Teacher of the Year Award, Fayetteville State University, 2008
3. Department of Management's Teacher of the Year Award, Fayetteville State University, 2008
4. The Best Research Paper Award: "A Theoretical Framework for Radio Frequency Identification and Supply Chain Management", The International Academy of Business & Public Administration Disciplines, 2007
5. The Best Research Paper Award. "A Study of Whistleblowing: A Cross-Cultural Comparison of Attitudes and Behavioral Intentions between Russian and American Managers", The International Academy of Business and Public Administration Disciplines, 2006
6. Academic Research Scholarship for Junior Faculty, Institute for Supply Management (ISM), 2005
7. Honorable mention award for Elwood S. Buffa Doctoral Dissertation Competition, Decision Sciences Institute (DSI) Conference, 2005
8. Student Pacemaker of the Year for outstanding academic achievements, The University of Toledo, 2004
9. Graduate Assistantship, University of Toledo, 2000-2001
10. Research Scholarship: Dresden University of Technology, Germany, Swiss-AIT-Vietnam Management Development Program, 1999
11. Outstanding teaching awards, Hanoi University of Technology, 1998
12. Graduate Scholarship: Asian Institute of Technology (AIT), Thailand., The Swiss-AIT-Vietnam Management Development Program, 1995-1996
13. 'Nguyen Truong To' award for outstanding college students, VINAHELP and Hanoi University of Technology, 1992-1993

### **Honors**

1. Beta Gamma Sigma Honor Society, 2009
2. Certificate of Appreciation from Chancellor for outstanding contribution to SECC Campaign as a SECC Captain, 2008-2009
3. Listed in Who's Who Amongst America's Teachers, 2007, for high achievements in teaching, Who's Who Amongst America's Teachers.
4. Listed in Marquis Who's Who in America, 2007, for high achievements in teaching and research, Marquis Who's Who in America
5. Honored certificate for submitting a proposal for an external grant, Fayetteville State University, 2005

6. SIGMA IOTA EPSILON (The National Honorary and Professional Management Fraternity), Iota Phi Chapter, 2002
7. Honorary award recognition by having biography published in the 25th Annual Edition of The National Dean's List, The National Dean's List, 2002
8. Outstanding college students, Hanoi University of Technology, 1994

## **Computer Skills**

- Data mining software: SAS Enterprise Miner, SAS Text Miner, STATISTICA, SPSS Modeler
- Big data analytics: SAS High Performance Data Mining, SAS Visual Analytics
- Statistics software: SAS Enterprise Guide, SPSS, STATISTICA
- Bayesian network software: BayesiaLab
- Structural Equation Modeling software: AMOS, LISREL
- Optimization software: LINGO, LINDO, Excel Solver
- Qualitative and mixed methods software: NVivo
- Simulation: Oracle Crystal Ball Simulation, Arena
- Programming languages: Objective C, Visual Basic.NET
- Project management: MS Project
- Web development: HTML, XML, CSS, ASP.NET, Visual Studio.NET, Expression Web, Dreamweaver, Content Management System
- Graphic and Multi-media Design: Adobe Creative Cloud (Photoshop, InDesign, Flash)