DAVID A. BYERS, PhD
AIRPORT OPERATIONS, DEVELOPMENT, & FINANCE

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OVERVIEW

Dr. Byers is the president of Quadrex Aviation, LLC, a veteran-owned small business that works directly with airport management and other industry professionals. He serves professionally as an Airport Development Specialist with over 40 years' experience in planning and development of commercial service and general aviation airports throughout the United States. He has been recognized as a leading national expert in the planning and development of air traffic control tower facilities and the development of airport business plans.

Dave brings over 40 years of experience in planning and development of commercial service and general aviation airports throughout the United States. His key strengths are anchored in the planning and development of environmental, financial, and strategic resources for the airport community. He has also been recognized as a leading national expert in benefit/cost analyses for air traffic control facilities. Dave's expertise has also been instrumental in the development of strategic business plans, including an innovative approach to assessing the regional value of airports.

Some of his most recent projects employed the development of an extensive array of Policy Guiding Documents to support various aspects of airport governance and management, financial operations and enhanced development capabilities and included: Airport Rules and Regulations, Minimum Standards for Aeronautical Activities, Development Guidelines and Standards for Airport Leases, Rates and Charges Analysis, and the development of an Enterprise Strategy for improving the financial performance of the Airport.

Dr. Byers serves as a member of the National Academy of Sciences' Transportation Research Board (TRB) Standing Committee AV010, Aviation Administration and Policy and has been active in several research fields including participation in projects sponsored by the Airport Cooperative Research Program (ACRP). Dr. Byers has also served for nearly 20 years as faculty at three prestigious collegiate aviation programs, teaching airport management, planning, and finance courses at both graduate and undergraduate levels.

EDUCATION AND CERTIFICATIONS

- PhD – Science Education (Aviation), Florida Institute of Technology (2004)
- MBA – Aviation, Embry-Riddle Aeronautical University (1987)
- BSc – Air Commerce (Transportation Technology), Florida Institute of Technology (1978)
- American Association of Airport Executives (AAAE)
- Former Member, American Institute of Certified Planners (AICP) *[35 years – (1987-2022)]*

PROFESSIONAL EXPERIENCE

Dr. Byers provides over 45 years of experience in airport planning and development with wide range of projects involving airfield and terminal operations, noise and other environmental issues, project design and funding, and financial planning. The following includes samples of his project experience in the various facets of airport planning and development.

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Strategic/Financial/Business Planning

- *Titusville-Cocoa Airport Authority:* Airport Business Plan – Developed a comprehensive business plan including a detailed financial performance schedule, management and staffing plan, and review of the Authority's principal guiding documents.
- *Naples Municipal Airport*: Airport Strategic Plan – Developed a comprehensive strategic plan for guiding direction, priorities, and key decision making for the Airport Authority.
- *Melbourne Orlando International Airport*: Airport Development Financial Plan – Evaluated the airport's financial resources and made recommendations regarding improvements to enhance services and revenues. Created and proposed a development plan and alternative strategies based on funding requirements, timing, and costs/benefit analysis.
- *Victoria (TX) Regional Airport*: Strategic Business Plan/ Airport Regional Value Study – Conducted a detailed analysis of airport's physical assets, operational characteristics, and financial performance. Evaluated County's minimum standards, regulations, and other principal documents for clearly articulating policies and practices. Airport Regional Value (ARV) provided detailed economic impact in addition to identifying airport's asset value and recommendations for protecting and enhancing facilities.
- *Fernandina Beach Municipal Airport*: Strategic Business Plan – Comprehensive analysis of airport's physical assets, operational characteristics, and financial performance. Provided recommendations for amending and reorganizing City's principal documents for clearly articulating policies and practices.
- *Brooksville-Tampa Bay Regional Airport*: Strategic Business Plan/ Airport Regional Value Study – Analysis of operational and financial data, recommendations for adjustments in business practices and specific strategic goals and objectives. Provided recommendations for suite of principle guiding documents. Quantified influence of on-airport employment, past development, and facilities' asset value as catalyst for economic activity.
- *Northeast Florida Regional Airport*: Economic Contribution Analysis, Northeastern Florida Regional Distribution Center (NFRDC) – Quantified potential economic benefits of proposed regional distribution center including intermodal (rail/highway) freight handling facility.
- *Tallahassee Regional Airport*: Comprehensive Financial Review – Comprehensive review and recommendations for airport financial issues including airline use agreements, rates & charges, AIP, PFCs, leases, etc.
- *Okeechobee County Airport*: Fiscal Impact Analysis- Quantified fiscal impact of lost opportunities and potential impact of continued development moratorium.

Airport Regional Value (ARV) Studies

- *Nevada Department of Transportation: Nevada Airport & Heliport System Plan* – Detailed analysis of facilities, operational characteristics, and interactions among the State's 95 public airports and 38 heliports. Recommendations for future development, airspace needs, and funding.
- *Victoria (TX) Regional Airport:* Airport Regional Value Study – Airport Regional Value (ARV) provided detailed economic impact in addition to identifying airport's asset value and recommendations for protecting and enhancing facilities.

- *Fernandina Beach Municipal Airport: Airport Regional Value Study* – Airport Regional Value (ARV) provided detailed economic impact in addition to identifying airport's asset value and recommendations for protecting and enhancing facilities.
- *Brooksville-Tampa Bay Regional Airport*: Strategic Business Plan/ Airport Regional Value Study – Analysis of operational and financial data, recommendations for adjustments in business practices and specific strategic goals and objectives. Provided recommendations for suite of principle guiding documents. Quantified influence of on-airport employment, past development, and facilities' asset value as catalyst for economic activity.
- *Central Nebraska Regional Airport (GRI), Grand Island, NE*: Airport Regional Value Study – Prepared ARV document to provide detailed regional economic impact of GRI in addition to identifying the value of the airport's assets and community's investment and assessed value rating factors (VRF) that quantified SWOT analysis and recommendations for protecting and enhancing facilities.

Air Traffic Control Tower Development

Marana Regional Airport : New ATCT Site Analysis – Identify and evaluate alternative ATCT locations for determining candidate sites suitable for new ATCT.

Northwest Arkansas National Airport : New ATCT Site Analysis – Identify and evaluate alternative ATCT locations for determining candidate sites suitable for new ATCT.

Boulder City Municipal Airport : ATCT Development and Preliminary ATCT Site Analysis – Assisted in integrating the development of an Air Traffic Control Tower into the update of the master plan for the Airport. Specific tasks included aviation activity forecasts, review alternative sites for ATCT development and prepare cost estimates, funding resources and other financial data. Identify and evaluate alternative ATCT locations for determining candidate sites suitable for new ATCT.

Lewis University Airport (LOT), Romeoville, IL: New ATCT Site Analysis - Identify and evaluate alternative ATCT locations for determining candidate sites suitable for new ATCT.

Melbourne Orlando International Airport : New ATCT Development and Preliminary ATCT Site Analysis – Identify and evaluate alternative ATCT locations for determining candidate sites suitable for new ATCT. Participated as panel member for Safety Risk Management Assessment\

Brooksville-Tampa Bay Regional Airport - ATCT Development - Alternative Site Analysis

Evaluated impact from alternative ATCT sites on FAR Part 77 surfaces, airport navigational aids, and Terminal Instrument Procedures (TERPS) surfaces. Participated as panel member for Safety Risk Management Assessment

Airport Safety/Efficiency Studies

- *Middletown Regional Airport (MWO), Middletown, OH*: Skydiving Activity Assessment – Assisted the City in assessing the skydiving activity currently occurring at the Middletown Regional Airport including providing guidance on the federal perspective regarding skydiving operations on airports, US Parachute Association (USPA) guidelines, and local operating procedures and practices. Identified and evaluated to potential parachute drop zones (PDZs) on airport property suitable for supporting all levels of skydiver proficiencies ranging from initial (first-time) skydivers to experts. PDZ's were assesed based on USPA recommendations for drop zones as well as avoiding encroaching on the airfield areas (i.e., runways, taxiways, and aprons) or creating potential conflicts with approaching and departing aircraft.

- *Vance Brand Municipal Airport (LMO), Longmont, CO*: Safety Assessment for Skydiving Operations – Three sites suitable for accommodating a parachute landing area (PLA) were identified using current planning practices and development criteria developed by the FAA and US Parachute Association (USPA). Each site was evaluated based on the appropriate needs for skydiving airspace and airfield requirements, including the impact of the PLA on existing airport traffic patterns and airfield components. A draft Comparative Safety Risk Analysis (CSRA) document was prepared following FAA guidance to identify potential risks associated with the safe and efficient operation of skydiving activities and to identify measures to mitigate those risks.

- *Grand Strand Airport (CRE), Myrtle Beach, SC*: Skydiving Operations Safety Analysis – Assisted the County in objectively evaluating the ability of the Airport to safely accommodate various categories of skydiving activity and to recommend strategies to mitigate risks. Detailed historical and current aircraft operations and fleet mix data were reviewed for identifying peak levels of activity and other characteristics of airport users. The study included a detailed assessment of the parachute landing area that was in use for adequacy in supporting the commercial skydive operator's practices.

- *Venice Municipal Airport (VNC), Venice, FL*: Skydiving Activity Safety Assessment & PLA Implementation –The project included the evaluation of proposed skydiving operation including leasehold provisions to comply with the City's current minimum standards and regulations. Activity data was assessed to ascertain the level of demand on the Airport's airspace and airfield. Potential sites on airport property suitable for a parachute landing area (PLA) were identified and evaluated. A draft Comparative Safety Risk Analysis (CSRA) document following FAA guidance was prepared to identify potential risks associated with the safe and efficient operation of skydiving activities commingled with other aircraft activity measures identified to mitigate those risks. Other tasks included the preparation of implementation documents including a draft PLA User Agreement.

Terminal Planning & Design

- *Miami International Airport (MIA), Miami, FL*
  - Terminal Master Plan (Concourse A)
  - Ramp/Gate Aircraft Lead-In & Parking Layouts

- Green Bay - Austin Straubel International Airport (GRB), Green Bay, WI
  - Terminal Master Plan
  - Terminal Conceptual Design
  - Terminal Development – Phase I (Baggage Handling/Baggage Claim)
  - Terminal Space Allocation Plan for AIP/PFC Funding

- *Tallahassee International Airport (TLH), Tallahassee, FL*
  - Terminal Space Allocation Plan for AIP/PFC Funding

- *Rhinelander-Oneida County Airport (RHI), Rhinelander, WI*
  - Terminal Space Allocation Plan for AIP/PFC Funding

- *Richmond International Airport (RIC), Richmond VA*
  - Terminal Concessions Study

- Concourse A Extension Aircraft Ramp Layout
- Terminal Space Allocation Plan for AIP/PFC Funding

- *Melbourne Orlando International Airport (MLB), Melbourne FL*
  - FIS Improvements – Space Allocation Plan for AIP/PFC Funding
  - Terminal Space Allocation Plan for AIP/PFC Funding

Passenger Facility Charge (PFC) Applications & Management

- *Melbourne Orlando International Airport (MLB), Melbourne FL*: Prepared PFC Impose & Use Application (PFC-08) for funding various terminal improvement projects. Approved for $54,372,963.

- *Tallahassee International Airport (TLH), Tallahassee, FL*: Prepared several PFC Impose & Use Applications (PFC-04/06) for funding various terminal improvement projects. Total approved amount = $37,335,100
- *McKellar Sipes Regional Airport (MKL), Jackson, TN*: Prepared PFC Impose & Use Application (PFC-01) for funding various terminal improvement projects. Approved for $332,248.

- *Trenton Mercer Airport (TTN), Trenton, NJ*: Prepared PFC Impose & Use Application (PFC-01) for funding various terminal improvement projects. Approved for $1,061,436.

- *Rhinelander-Oneida County Airport (RHI), Rhinelander, WI*: Prepared several PFC Impose & Use Applications (PFC-01/06) for funding various airport improvement projects. Total approved amount = $1,232,859

- *Birmingham-Shuttlesworth International (BHM), Birmingham, AL*: Prepared PFC Impose & Use Application (PFC-01) for funding major airfield improvement project. Approved for $7,657,558.

- *Chippewa Valley Regional Airport (EAU), Eau Claire, WI*: Prepared PFC Impose & Use Application (PFC-01) for funding major airfield improvement project. Approved for $755,028.

- *Appleton International Airport (ATW), Appleton, WI*: Prepared PFC Impose & Use Application (PFC-01) for funding various airfield improvement projects. Approved for $3,811,673.

- *Green Bay - Austin Straubel International Airport (GRB), Green Bay, WI*: Prepared PFC Impose & Use Application (PFC-01) for funding various airfield improvement projects. Approved for $8,140,000.

  Total Approved PFC Funding = $114,698,595.

Heliport Planning & Design

- *Myrtle Beach International Airport (MYR):* Commercial Heliport Planning Study – Evaluation of alternatives for the relocation of a major commercial helicopter tour operation currently located off-airport to a site on airport property. Assessment of airspace impacts on existing airport operations (90,000 additional tour flights annually, primarily concentrated in June-August season) and noise impacts over residential areas. Design of new heliport facilities in compliance with the FAA's Advisory Circular 150/5390-2C, Heliport Design, and NFPA's Code 418 Standards for Heliports.

- *Nevada Department of Transportation*: Nevada Airport & Heliport System Plan – Detailed analysis of facilities, operational characteristics, and interactions among the State's 95 public airports and 38 heliports. Recommendations for future development, airspace needs, and funding.
- *Dallas/Ft. Worth Metroplex:* General Aviation Airport & Heliport System Plan – Principal author of "The New Technologies and Industry Trends Report", prepared in advance of the GAHSP study to address a range of issues and influences likely to affect development of the general aviation and heliport system in the region. Detailed analysis of facilities, operational characteristics, and interactions among the Region's 255 public airports and 128 heliports. Recommendations included for future development, airspace needs, and funding.
- *Trenton Mercer Airport (TTN):* Helicopter Noise Abatement Program – Developed a comprehensive noise abatement program for corporate and military helicopters arriving and departing airport. Plan included development of designated helicopter routes based on origination/destination within Northeast corridor (primarily New York City & Philadelphia). Routes specified flight paths, rate of climb, enroute and transition altitudes, and waypoints to avoid overflights of noise sensitive areas.
- *Miami-Dade County Aviation Department (DCAD)*: Heliport System/Facility Plan – Developed a series of heliports for private and commercial helicopter operations at Miami International, Opa Locka and Miami Executive Airports. Conducted safety and noise evaluation for proposed Miami International Airport's elevated commercial heliport located between the parking deck and main terminal.
- *Downtown Toledo Architectural Collaborative*: Commercial Heliport Siting & Access Plan – Evaluation of alternatives for a public heliport to serve downtown Toledo. Heliport facility needs and safety requirements including compliance with FAA and NFPA standards were identified. Airspace evaluation included approach and departure paths with emergency landing areas.

PROFESSIONAL/TECHNICAL PRESENTATIONS

Issues & Research Needs Arising from New Technology Aviation System Planning: A 20-year Look into the Future, Transportation Research Board (2019)

Airports, Airspace, & Air Traffic Control (Emerging Technologies). Symphony Users Workshop, Harris Corporation (2016/2017)

7 Steps Toward Achieving Financial Sustainability, Wisconsin Airport Operations and Land Use Seminar (2016)

NextGen: You Actually Want to Land? Airspace and Airfield Needs Track A/Workshop 3, Airport Planning Design and Construction Symposium (2016)

Airports, Airspace, & Air Traffic Control (Emerging Technologies), FAC Specialty Conference, 2015

Airport Finance 101 - 3-hour Pre-Conference Workshop, SEC/AAAE - Finance & Administration Conference (2012-2019)

Airport Financial Sustainability - Where To Find More Green, SEC/AAAE - Finance & Administration Conference 2014

Auditing - Internal Procedures and PFC Auditing, SEC/AAAE - Finance & Administration Conference 2014

Benchmarking Made Easy, SEC/AAAE - Finance & Administration Conference 2014

The View from 30,000 Feet: Where will the Airport Industry be Financially in Five Years? AAAE Annual Conference 2013

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RESEARCH EXPERIENCE

Dr. Byers has been involved in 16 TRB/ACRP programs and projects, serving as a panel member for 9 projects (one as chair) and an associate investigator for three projects. He is also heavily involved in research as both an editor for TRB's Transportation Research Record Journal and a researcher himself with significant experience in developing guidebooks. One of his most notable publications, "Homogenous Learning Styles Among Airport Management Professionals", explores the unique similarity in learning styles among those involved in airports compared to others in the aviation industry and the general population. Combined with his academic research and teaching experience, Dr. Byers offers a distinctive foundation for applying his broad knowledge and extensive experience in the airport industry providing a unique blend of perspectives as a member of the research team.

PUBLICATIONS

- Byers, D. (2018). *Airline Deregulation at 40: The Airport Perspective*. Transportation Research News [3], 2018.
- Byers, D. (2016). *The Aviation Workforce of Tomorrow: Where Are They Needed and Where Are They Going to Come From?* Transportation Research News [3], 2016.
- Byers, D. (2013). *Be Prepared: The Synthetic Air Traffic Advisory System (SATAS)*. Air Traffic Management [3], 2013.
- Byers, D. (2012). *Homogenous learning styles among airport management professionals*. Journal of Aviation/Aerospace Education and Research, 22 (2)
- Byers, D., (2008). *Feeding the Pipeline for Airport Development Careers*, Airport Consulting Quarterly.
- Guzhva, V., Bazargan, M., & Byers, D. (2008). *Determinants of financial health of U.S. general aviation airports*. Journal of Airport Management, 2(2), 2008.
- Guzhva, V., Bazargan, M., & Byers, D. (2008) *Entrepreneurial spirit in government managed enterprises: Evidence from the U.S. general aviation airports*. Journal of Public Budgeting, Accounting and Financial Management, (4), 2008.
- Byers, D. A. (2004). *The Making of the Modern Airport Executive: Causal Connections among Key Attributes in Career Development, Compromise, and Satisfaction in Airport Management*. ProQuest Dissertations Publishing, 3127101, 2004.

TRANSPORTATION RESEARCH BOARD (TRB) / AIRPORT COOPERATION RESEARCH PROGRAM (ACRP)

TRB AV010: Standing Committee on Aviation System Planning (Member)

TRB AV020: Standing Committee on Aviation System Planning (Past Member)

Transportation Research Record: Journal of the Transportation Research Board (Handling Editor)

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ACRP S07-04: Parks and Other Recreational Uses on Airport Property (Panel)

ACRP 04-25: Airports and Communicable Diseases—Preparedness and Response (Researcher)

ACRP 06-07: Enhancing Academic Programs to Prepare Future Airport Industry Professionals (Researcher)

ACRP 03-45: Collecting and Sharing of Operational and Safety Data (Researcher)

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ACRP 03-33: NextGen for Airports, Vol. 5: Airport Planning and Development (Panel Chair)

ACRP 03-17: Evaluating Airfield Capacity (Panel)

ACRP 06-02: Airport Leadership Development Program (Panel)

ACRP 11-03: Synthesis of Information Related to Airport Practices (Panel)

ACRP S10-13: Airport Fueling System Operations and Maintenance (Panel)

ACRP S01-20: Compilation of Data on the State of FBOs (Panel)

ACRP S04-22: Airport Surface Weather Observation Options for General Aviation Airports (Panel)

ACRP 11-04: Graduate Research Award Program on Public-Sector Aviation Issues (Panel)

ACRP 11-04a: University Design Competition for Addressing Airport Needs (Panel)

ACRP 11-05 (4): ACRP Problem Statement Process Assessment and Recommendations (Panel)

ACADEMIC EXPERIENCE

Dr. Byers has served nearly 20 years (10 years as full-time faculty) as a collegiate educator having taught over 60 sections (3 credit-hour graduate and undergraduate courses) in various airport-related subjects.

- *Kansas State Polytechnic*: Affiliate Professor – Department of Aviation
- *University of Nebraska (Omaha)*: Associate Professor – Aviation Institute
- *Florida Institute of Technology*: Associate Professor – College of Aeronautics
- *Embry Riddle Aeronautical University (Daytona)*: Assistant Professor – College of Business

A separate academic CV is attached.

Curriculum Vitae
DR. DAVID A. BYERS, CM

A. SCHOOL INFORMATION

1. School: Kansas State Polytechnic
   Division: Department of Aviation
   Rank: Affiliate Faculty
   Duration: Spring 2016 - present

   Courses Taught: AVT 560 - Airport Master Planning & Design (online)
   AVT 480 - Airport Global Networks (3 sections - online)

2. School: University of Nebraska - Omaha
   Division: Aviation Institute
   Rank: Associate Professor
   Duration: Fall 2009 – Spring 2014

   Courses Taught: AVN 2020 – Airline Operations
   AVN 2050 – Introduction to Airport Administration (5 sections)
   AVN 3060 – Writing in Aviation (3 sections)
   AVN 3090 – Airport Administration & Planning (5 sections)
   AVN 3600 – International Aviation
   AVN 4900 – Special Topics in Aviation (FAA Design Competition) (4 sections)
   AVN 4900 – Special Topics in Aviation (Intro to AutoCAD)
   AVN 8020 – Survey of Aviation & Transportation Policy (MPA 2 sections – online)
   AVN 8095 – Airport Administration & Planning (Graduate MPA Program)
   AVN 8250 – Airport Administration (MPA / 3 sections - online)
   AVN 8370 – Airport Development (MPA / 1 section - online)

3. School: Florida Institute of Technology
   Division: College of Aeronautics
   Rank: Associate Professor
   Duration: Fall 2007 – Spring 2009

   Courses Taught: AVM 3201 – Aviation Planning (4 sections)
   AVM 3202 – Airport Design (4 sections)
   AVM 4201 – Aviation Advanced Computer Applications (4 sections)
   AVM 4204 – CAD for Airport Environments (4 sections)
   AVM 4701 – Airport Management (1 section)
   AVM 5000 – Fundamentals of Aviation Planning & Design (3 sections)

4. School: Embry-Riddle Aeronautical University
   Division: College of Business
   Rank: Assistant Professor
   Duration: Fall 2004 – Spring 2007

   Courses Taught: BA 201 – Principles of Management (3 sections)
   BA 408 – Airport Management (14 sections)
   BA 412 – Airport Planning & Development (2 sections)
   BA 418 – Airport Administration & Finance (2 sections)
   BA 645 – Airport Operations & Management (1 section) – Graduate MBA Program
   BA 650 – Airline-Airport Relations (2 sections) – Graduate MBA Program
   BA 651 – Strategic Airport Planning (1 section) – Graduate MBA Program

B. FORMAL EDUCATION

Ph.D. Science Education (Aviation), Florida Institute of Technology, 2004
Master of Business Administration – Aviation, Embry-Riddle Aeronautical University, 1987
B.S., Air Commerce, Transportation Technology, Florida Institute of Technology, 1978

C. ACADEMIC AWARDS & RECOGNITION

George M. Skurla Outstanding Alumni Award, FIT College of Aeronautics, Fall 2012
Outstanding Faculty Member of Year, ERAU College of Business, Spring 2006
Outstanding Faculty Member of Year, ERAU College of Business, Fall 2005
Nominee, Outstanding Faculty Member of Year, ERAU College of Business, Spring 2005 & 2007

D. PROFESSIONAL EXPERIENCE

Airport Development Specialist with over 45 years' experience in planning and development of commercial service and general aviation airports throughout the United States. Primary responsibilities involve all facets of the planning, engineering and architectural disciplines related to airports and air transportation industry. Key strengths are associated with the planning and development of environmental, financial and strategic resources for airports.

E. PROFESSIONAL REGISTRATIONS & CERTIFICATIONS

Certified Member (CM), American Association of Airport Executives, 1996
Former Member, American Institute of Certified Planners (AICP), 1987-2023

F. PROFESSIONAL ORGANIZATIONS

American Association of Airport Executives (AAAE)
US Contract Tower Association (USCTA) – *[Policy Board member]*
Transportation Research Board (TRB) - *[Member, AV010 - Aviation Administration & Policy Committee]*

G. PROFESSIONAL CONFERENCES, SEMINARS & CONTINUING EDUCATION (2015-2021)

<u>2024</u>
Transportation Research Board (TRB) Annual Conference, Washington DC, January 2024
ACC/AAAE Planning, Design & Construction Symposium, Salt Lake City, UT, March 2024

<u>2023</u>
Transportation Research Board (TRB) Annual Conference, Washington DC, January 2023
ACC/AAAE Planning, Design & Construction Symposium, Denver, CO, March 2023
USCTA Contract Tower Workshop, Washington, DC, June, 2023

<u>2021</u>
National Association of State Aviation Officials (NASAO) Annual Conference, Colorado Springs, CO, September 2021 *(Presenter)*

<u>2019</u>
Transportation Research Board (TRB) Annual Conference, Washington DC, January 2019
ACC/AAAE Planning, Design & Construction Symposium, Denver, CO, February 2019

SEC/AAAE - Finance & Administration Conference, Clearwater, FL, February 2019 (*Presenter)*
AAAE Annual Conference & Exhibition, Boston, MA, May 2019 *(Faculty Advisor)*
Aviation Accreditation Board International (AABI) Annual Meeting, Grand Forks, ND, June, 2019
Florida Airports Council (FAC), Annual Conference & Exhibition, Ft. Lauderdale, FL, July 2019
Airports Council International (ACI-NA) Annual Conference, Tampa, FL September, 2019
University Aviation Association (UAA) Annual Conference, Memphis, TN October, 2019
Airport Consultants Council (ACC) Annual Conference, Palm Springs, CA, November, 2019

2018
Transportation Research Board (TRB) Annual Conference, Washington DC, January 2018
ACC/AAAE Planning, Design & Construction Symposium, Denver, CO, February 2018
SEC/AAAE - Finance & Administration Conference, Melbourne, FL, February 2018 (*Presenter)*
AAAE Annual Conference & Exhibition, San Diego, CA, April 2018 *(Faculty Advisor/Presenter)*
National Aviation System Planning Symposium, Anchorage, AK, May 2018 (*Presenter)*
USCTA Contract Tower Workshop, Washington, DC, June, 2018
Florida Airports Council (FAC), Annual Conference & Exhibition, Tampa, FL, July 2018
AAAE General Aviation Issues Conference, Ft. Myers, FL, September 2018 (*Presenter*)
Airports Council International (ACI-NA) Annual Conference, Nashville, TN, September, 2018
Airport Consultants Council (ACC) Annual Conference, Southampton, Bermuda, November, 2018

2017
Transportation Research Board (TRB) Annual Conference, Washington DC, January 2017
Aviation Accreditation Board International (AABI) Annual Meeting, Melbourne, FL January, 2019
SEC/AAAE - Finance & Administration Conference, Daytona Beach, FL, February 2018 (*Presenter)*
AAAE Annual Conference & Exhibition, Long Beach, CA, May 2017 *(Faculty Advisor)*
USCTA Contract Tower Workshop, Washington, DC, June, 2017
Florida Airports Council (FAC), Annual Conference & Exhibition, Miami, FL, July 2017
Airports Council International (ACI-NA) Annual Conference, Ft. Worth, TX, September, 2017
Airport Consultants Council (ACC) Annual Conference, San Diego, CA, November, 2017

2016
Wisconsin Aviation Conference, Stevens Point WI, September 2016 **presenter*
Florida Airports Council, Specialty Conference, St. Augustine, FL, October, 2016 ** presenter*
Southwest Chapter – AAAE, Annual Conference, Henderson, NV, July 2016, ** presenter*
Florida Airports Council, Annual Conference & Exhibition, Ft. Myers, FL, July 2016
USCTA Contract Tower Workshop, Washington, DC, June, 2016
AAAE Annual Conference & Exhibition, Houston, TX, May 2016 *(Faculty Advisor)*
Southeast Chapter – AAAE, Annual Conference, Greenville SC, May 2016
ACC/AAAE Planning, Design & Construction Symposium, Salt Lake City UT, March 2016 **presenter*
SEC/AAAE - Finance & Administration Conference, Orlando, FL, January 2016** presenter*

2015
International Council of Air Shows (ICAS) Annual Conference, Las Vegas, NV, December 2015
Airports Council International Annual Conference, Long Beach, CA, October 2015
Florida Airports Council, Specialty Conference, Orlando, FL, October, 2015 ** presenter*
ACC/AAAE Planning, Design & Construction Symposium, Denver, CO, February 2015
SEC/AAAE - Finance & Administration Conference, Orlando, FL, January 2015** presenter*
Transportation Research Board (TRB) Annual Conference, Washington DC, January 2015

H. PROFESSIONAL/TECHNICAL PRESENTATIONS

Airport Regional Value – A New Metric
NASAO Annual Conference (2021)

Airport Finance 101 - 3-hour Pre-Conference Workshop
SEC/AAAE - Finance & Administration Conference (2012-2019)

Airports, Airspace & Air Traffic Control (Emerging Technologies)
Symphony Users Workshop, Harris Corporation (2016/2017)

Airports, Airspace & Air Traffic Control (Emerging Technologies)
FAC Specialty Conference, 2015

Airport Financial Sustainability - Where To Find More Green
SEC/AAAE - Finance & Administration Conference 2014

Auditing - Internal Procedures and PFC Auditing
SEC/AAAE - Finance & Administration Conference 2014

Benchmarking Made Easy
SEC/AAAE - Finance & Administration Conference 2014

The View from 30,000 Feet: Where will the Airport Industry be Financially in Five Years?
AAAE Annual Conference 2013

The Future of 100LL AvGas - (Does It Even Have One?)
Phillips 66 Annual Marketing Exhibition 2013

I. PUBLICATIONS

Byers, D. (2018). Airline Deregulation at 40: The Airport Perspective. *Transportation Research News* [3], 2018.

Byers, D. (2016). The Aviation Workforce of Tomorrow: Where Are They Needed and Where Are They Going to Come From? *Transportation Research News* [3], 2016.

Byers, D. (2013). Be Prepared: The Synthetic Air Traffic Advisory System (SATAS). *Air Traffic Management* [3], 2013.

Byers, D. (2012). Homogenous learning styles among airport management professionals. *Journal of Aviation/Aerospace Education and Research*, 22 (2)

Byers, D., (2008). Feeding the Pipeline for Airport Development Careers, *Airport Consulting Quarterly*.

Guzhva, V., Bazargan, M., & Byers, D. (2008). Determinants of financial health of U.S. general aviation airports. *Journal of Airport Management*, 2(2), 2008.

Guzhva, V., Bazargan, M., & Byers, D. (2008) Entrepreneurial spirit in government managed enterprises: Evidence from the U.S. general aviation airports. *Journal of Public Budgeting, Accounting and Financial Management*, (4), 2008.

Byers, D. A. (2004). The Making of the Modern Airport Executive: Causal Connections among Key Attributes in Career Development, Compromise, and Satisfaction in Airport Management. *ProQuest Dissertations Publishing,* 3127101, 2004.

J. CURRENT/RECENT RESEARCH & SCHOLARLY ACTIVITIES

Member, (& Committee Research Coordinator), National Academy of Sciences, Transportation Research Board, Aviation Administration & Policy Standing Committee (AV010) [2023-present].

Former Member, (& Committee Research Coordinator), National Academy of Sciences, Transportation Research Board, Aviation System Planning Standing Committee (AV020) [2009-2023].

Handling Editor, Editorial Board, Transportation Research Record, Transportation Research Board, [2019 - present].

Research Investigator, Airport Cooperative Research Program (ACRP) – *Project 04-25, Airports and Communicable Diseases – Preparedness and Response*

Research Investigator, Airport Cooperative Research Program (ACRP) – *Project 06-07, Enhancing Academic Programs to Prepare Future Airport Industry Professionals*

Panel Member, Airport Cooperative Research Program (ACRP) – *Project 11-04B, Academic Engagement Programs* and *Project 11-04C, Secondary Education Opportunities*

Panel Member, Airport Cooperative Research Program (ACRP) – *Synthesis Project 07-04, Parks and Other Recreational Uses on Airport Property*

Research Investigator, Airport Cooperative Research Program (ACRP) – *Project 03-45, Collecting and Sharing of Operational and Safety Data, (published October, 2020 as ACRP Report 222)*

Panel Member, Airport Cooperative Research Program (ACRP) – *Project 11-04, Graduate Research Award Program* (also serving as advisor for select student research projects)

Panel Member, Airport Cooperative Research Program (ACRP) – *Project 11-04, University Design Competition, Runway Safety Track*

Panel Chair, Airport Cooperative Research Program (ACRP) - *Project 03-56, Airside Planning, Design, and Operations: Electronic Resource Library.*

Panel Member, Airport Cooperative Research Program (ACRP) - *Project 11-03, Topic S10-13, Issues with Airport Fueling System Operations.*

Panel Chair, Airport Cooperative Research Program (ACRP) - *Project 03-33, NextGen - Airport Planning and Development.*

Panel Member, Airport Cooperative Research Program (ACRP) - Project 06-02, *Airport Leadership Development Program.*

Panel Member, Airport Cooperative Research Program (ACRP) - Project 03-17, *Airport Airfield Capacity Analysis.*

Advisor - UNO Student Team, 2013-2014 FAA University Design Competition, Environmental Interactions Track, *Airport Stormwater Data Observation & Collection System.* Second Place.

Advisor - UNO Student Team, 2010-2011 FAA University Design Competition, Airport Management Track, *Application of X-Band Radar to Count Aircraft.* Second Place.

Funded Research*, "Measuring Operational Efficiencies and Capacity Enhancements from the Ground Management Program at JFK International Airport,* Nebraska Space Grant Program Mini-grant (co-sponsored by UNO Aviation Institute).

Advisor to Student Team, 2009-2010 FAA University Design Competition, Runway Safety Track, *Synthetic Air Traffic Advisory System (SATAS).* Honorable Mention Award.

Panel Judge, 2008-2009 FAA University Design Competition, Airport Management Track

Advisor – FIT Student Team, 2007-2008 FAA University Design Competition, Environmental Track, *Reducing Glycol Emissions at Commercial Service Airports.*

K. OTHER ACADEMIC ACTIVITIES

Principal Researcher, Development of a Proposal to Establish a Baccalaureate Aerospace Technology Program, New River Gorge Development Authority, involving development of proposed 2+2 program including Associate of Applied Science, Aircraft Maintenance Technology for New River Community and Technical College and Bachelor of Science, Aviation Management (Aerospace Technology option) (2021-present)

AABI Accreditation Visiting Team, University of Dubuque, Aviation Department, B.S. in Applied Aviation Technology (Unmanned Aircraft Systems), B.S. in Aviation Management, B.S. in Flight Operations (2020)

AABI Accreditation Visiting Team, Arizona State University, School of Aviation and Transportation Technology, B.S. in Aviation Management (2019)

AABI Accreditation Visiting Team, Purdue University, School of Aviation and Transportation Technology, B.S. in Aviation Management (2018)

AABI Accreditation Visiting Team, Western Michigan University, College of Aviation, B.S. in Aviation Management and Operations (2017)

Past Director of "The Teaching Airport" – a partnership between Embry-Riddle and Daytona Beach International Airport. The Teaching Airport provides a unique environment for industries to develop technology using a fully functioning airport facility as a test-bed. Research activities from the Teaching Airport have been applied as part of the program's Public Outreach agenda. One application is the daily operation of the Teaching Airport Flight Tracking and Weather Information Center, which provides real-time air traffic and weather information to the public, staffed by Teaching Airport student ambassadors and supervised by faculty researchers.

L. ACADEMIC SERVICE-RELATED ACTIVITIES

UNO School of Public Administration – MPA Committee – (2009-2014)
UNO Faculty Advisor – Collegiate Aviation Industry Professionals (CAIP) – (2009-2014)
FIT Faculty Advisor – Collegiate Aviation Business Executives (CABE) – (2007-2009)
FIT College of Aeronautics - Curriculum Committee – (2007-2009)
FIT College of Aeronautics - Research Committee (2007-2009)
ERAU Faculty Advisor / Co-Advisor – AAAE Club (2004 – 2007)
ERAU Industry Advisory Board Committee (2004 – 2005)
ERAU Student Affairs Committee – (2005 – 2007)
ERAU Curriculum Committee (2006 – 2007)
- developed documentation & syllabus for new course BA 327 – Airline/Airport Operations *(approved for 2007-2008 Catalog)*

ERAU Honors Program Mentor – Fall 2005/Spring 2006

M. OTHER AVIATION-RELATED QUALIFICATIONS

FAA Commercial Pilot/Instrument Rated (1,700 hrs)
FAA Airframe & Powerplant Mechanic (A&P)
FAA Advanced/Instrument Ground Instructor
Aircraft Owner/Operator – Grumman AA-1B