# **UAACONNECT**

THE OFFICIAL PUBLICATION OF THE UNIVERSITY AVIATION ASSOCIATION OCTOBER 2024

# ANOTHER GREAT COLLEGIATE AVIATION EDUCATION CONFERENCE IN THE BAG



- and what a great success it was. The conference was held at the Hilton in Memphis, Tennessee. Despite Hurricane Helene bearing down on the southern states, 300 collegiate aviation faculty, staff, industry supporters, and regulatory specialists filled the rooms to capacity to share their expertise.

Before the conference officially began, the UAA Board of Trustees held their annual in-person meeting, confirming the election results for the 2025 Officers and Trustees (see pages 12-14) A review of the financial management and growth of the association included UAA's increase managed scholarships for other aviation associations, doubling the research poster award monies, and increasing monetary support for faculty to attend our Aviation Policy Seminar in Washington, D.C.

The expanded three days of keynote speakers did not disappoint. Grant Colby, Director, Ground Safety at Piedmont Airlines, opened the first day. Corey Stephens, FAA – Office of Accident Investigation and Prevention followed. Thursday brought in Rick Leach, President & CEO of GoJet, who spent the entire day interacting with educators and students alike. And Friday's powerhouse speaker was Shanetta Griffin, Associate Administrator of Airports for the FAA. The speakers set the tone for an excellent and informative conference.

Collegiate aviation educators continued the Wednesday event with tough choices of filling the meeting rooms to participate with world-class speakers for UAA Safety Infoshare and other workshops, or load the bus for this year's often-requested EduTour. Memphis is the home to three aviation high schools. The bus, filled to capacity and with cars in tow, drove across town to three distinctly different education models for aviation programs; Collierville High School, Christian Brothers High School, and East High. Educators toured three facilities' flight, maintenance, and drone programs. It was an impressive amount of energy, money and support provided to these youths that are the future of aviation.



Research presentations, and participation in leadership sessions and workshops were well received. Each presenter offered valuable and unique perspectives on aviation education. More than 40 education sessions gave thorough and captivating talks on issues concerning mental health, diversity and equity, aviation maintenance,

and training performance. Two sessions of professional paper presentations and a research roundtable, a plethora of UAA committees met throughout the conference to address a broad range of issues and concerns affecting collegiate aviation.



Networking events were peppered throughout the conference to aide attendees in making every minute of the conference productive. The three days were non-stop from a casual Students Lunch with Professionals to the glam Awards of Excellence. See you next year the 78th Annual Collegiate Aviation Education Conference & Expo in sunny Costa Mesa/ Orange County, California.

# **KEYNOTES AND CONVERSATIONS:** Shaping the Future of Aviation Safety and Education



The 2024 UAA Collegiate Aviation Conference welcomed an outstanding lineup of keynote speakers who captivated attendees with their expertise, vision, and deep commitment to aviation safety.

Grant Colby, Director, Ground Safety at Piedmont Airlines, opened the first day with an overview of how an effective safety culture must be established for any aerospace related entity. He discussed a step-by-step process of identifying the critical factors in a safety culture and how to ensure the robust engagement of all stakeholders within a company. In addition to Grant, we also had an opportunity to hear from Corey Stephens, FAA – Office of Accident Investigation and Prevention, updating us on General Aviation safety initiatives and the state of the industry from a safety perspective. We also had an opportunity to hear from Dr. Nick Wilson, University of North Dakota Associate Chair, on their experience with using UL95.

Rick Leach, CEO of GoJet Airlines, engaged in a dynamic talkback session with UAA President Chaminda Prelis, where they explored the future of commercial aviation. In this organic discussion, Leach and Prelis delved into the evolving challenges and opportunities facing the industry, focusing on how collegiate aviation programs can best prepare students for the demands of the future. Their conversation provided invaluable insights into the skills and knowledge future aviation professionals will need, offering attendees actionable strategies to ensure their programs remain at the forefront of industry developments.

Shannetta Griffin, FAA Associate Administrator for Airports, closed the keynote series with her presentation, Flight Path: Navigating the Future of Airports. Griffin's address focused on the critical role airports will play in shaping the future of aviation safety. She explored topics such as infrastructure modernization, sustainability, and operational efficiency, providing attendees with a forward-looking view on how airports must evolve to meet future demands. Her insightful presentation tied the keynote series together, offering a comprehensive approach to ensuring safety remains a priority across the entire aviation industry.

Chaminda Prelis, Ph.D. President, University Aviation Association



#### SPEAKERS OF NOTE







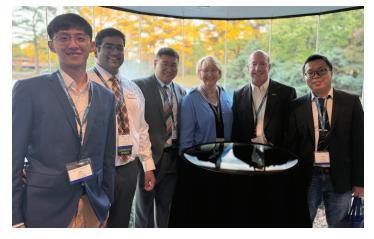






#### WELCOME TO MEMPHIS RECEPTION

















#### AWARDS OF EXCELLENCE DINNER

















#### EXHIBIT HALL











### **UAA CONNECT** COLLEGIATE AVIATION EDUCATION CONFERENCE













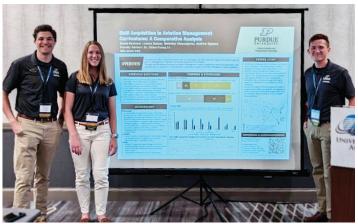
### UAA CONNECT COLLEGIATE AVIATION EDUCATION CONFERENCE













# **STUDENT RESEARCH POSTER WINNERS**



The research poster competition provided a valuable opportunity for undergraduate and graduate students to present their research findings to a wider audience at the conference. Abstracts had to be concise, limited to 250 words or less, to effectively convey the key points of each study. Attendees were encouraged to vote for their favorite posters throughout the event, and the winners were announced at the closing reception of the 2024 UAA Collegiate Aviation Education Conference and Expo held at the Hilton Memphis in Memphis, Tennessee. The competition served as a platform for students to receive feedback on their work, network with peers and professionals in the field, and potentially gain recognition for their contributions to aviation research.

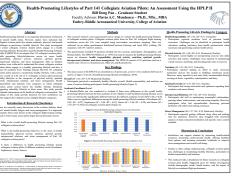
#### **GRADUATE RESEARCH CATEGORY**



**First place - \$1,000** Predicting Wildlife Strike Patterns for Urban Air Mobility

Authors: Taeyun Kim & Auguste Starkute

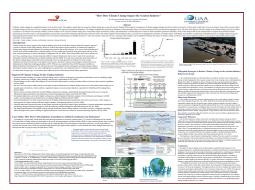
**Faculty Advisor:** Dr. Flavio Mendonca



#### Second place - \$500

Health-Promoting Lifestyles of Part 141 Collegiate Aviation Pilots: An Assessment Using the HPLP II

Authors: Bill Deng Pan Faculty Advisor: Dr. Flavio Mendonca



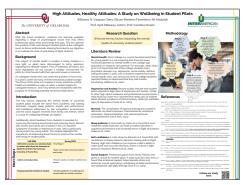
#### Third place - \$250

How Does Climate Change Impact the Aviation Industry

#### Authors:

Mohammed Rahik Ahmed & Algendra Dharamdatt

Faculty Advisor: Dr. Billy Metallinos



#### First place - \$1,000

High Altitudes, Healthy Attitudes: A Study on Wellbeing in Student Pilots

#### Authors:

Willianys Vazquez, Bryan Martinez & Ali Abdullah

Faculty Advisor:

April Millaway-Axton & Caroline Ocasio

#### UNDERGRADUATE RESEARCH CATEGORY



#### Second place - \$500

A Microalgae Photobioreactor for Improving Air Quality Around Airports

#### Authors:

Cassidy Farnsworth, Madeline Goussios & Reilly Ferrie

#### **Faculty Advisor:**

Dr. I Richmond Nettey



#### **Third place - \$250** A.I's Influence in the Airline Industry

Authors: Emiliano M. Tortolero, Sanchita Paul, & Dessa A. Weekes

# Faculty Advisor:

Dr. Billy Metallinos

Awards of

Excellence Recipients

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Dr. Flavio Mendonca

Frank E. Sorenson Award



W.W. Estridge

Award





Champion of Aviation Education Award

John K. Lauber Safety Award



V.L. Laursen W Award

William A. Wheatley Award



Icholarship - A. Recipients ward

Eugene S. Kropf Scholarships - \$500 each



University of Dubuque



Pittsburgh Institute of Aeronautics

#### **Joseph Frasca Excellence in Aviation Scholarship - \$2,000**



**University of Nebraska** Omaha

**Piedmont Airlines Non-Flight Education Scholarship - \$5,000** 



Embry-Riddle **Aeronautical University** 

**Devore Freedom of Flight** Scholarship - \$1,000



Southwestern Illinois College

#### Paul A. Whelan Scholarship - \$2,000



Lone Star College / **US Aviation Academy** 

#### **Piedmont Airlines Ambassador** Flight Scholarship - \$5,000



University of North Dakota







Thank you in advance for taking time to think about the leadership opportunities for the future of University Aviation Association. New trustees will join the Board of Trustees January 1, 2025. CONGRATULATIONS to the newly Elected Board Members!

#### President



#### Ryan Leick, PhD - Utah Valley University

Dr. Ryan Leick is an Assistant Professor specializing in air transport strategy, marketing and operations at Utah Valley University in Provo, Utah, USA. He is a graduate of the Air Transport Management PhD program at Cranfield University in the United Kingdom and alumni of the School of Business at Embry-Riddle Aeronautical University, Daytona Beach Campus. Dr. Leick draws upon industry experience in airline marketing, distribution and information technology acquired from working for entrepreneurial start-up and long-haul, low-cost carrier MAXjet Airways; legacy carrier United Airlines and privately held, niche carrier Aloha Airlines.

#### **Vice President**



#### Ryan Wallace, EdD - Embry Riddle Aeronautical University

Dr. Ryan Wallace is an Associate Professor at Embry-Riddle Aeronautical University. He holds an Ed.D. in Applied Education Studies (Aviation option), a M.S. in Aviation, and a B.S. in Aeronautics. His research focuses on UAS safety, security, human factors, and public policy. Dr. Wallace serves as the PI for federal grants valued at more than \$2.1 million. He has facilitated professional training seminars for multiple federal agencies in the areas of UAS safety, operations, and counter-UAS topics. He further serves as a representative on the FAA's Drone Safety Team (DST). Dr. Wallace previously chaired the University Aviation Association's UAS Committee, where he led a collaborative effort to publish the UAS Pilot's Code, a compendium of procedures and best practices to improve UAS operational safety.

#### **Member at Large**



#### **Patrice Stanley - CAE USA**

At CAE, Patrice advocates for federal legislation and policies to improve training and readiness of military and commercial pilots, air traffic controllers and other members of the commercial aviation workforce. Patrice's portfolio also includes state and local strategic engagements to support the company's business development goals and academic partnerships and initiatives. Prior to joining CAE, Patrice worked for a bipartisan government relations firm in Washington, D.C., serving as Vice President in her final years with the company. Prior to entering the private sector, Patrice worked in state and federal government where she managed the procurement and Minority Business Enterprise programs for an independent state agency in Maryland and held U.S. Executive Branch appointments at the Federal Highway Administration/U.S. Department of Transportation, the U.S. Commission on

Civil Rights, and the White House Office of Intergovernmental Affairs.

#### **Industry Trustee**



#### **Michael Hales - United Aviate Academy**

Michael A. Hales is the Chief Executive Officer at the United Airlines' Aviate Academy. He leads an experienced and dedicated staff of instructors and supporting personnel who are all about training the next generation of United Airlines pilots. Prior to becoming CEO, Michael spent the last eight years as Chair/Director of Delaware State University's Aviation Program, where he tripled in size the student body and more than doubled the aircraft fleet. He is a former member of the State of Delaware Aviation Advisory Council, founder of the HBCU Aviation Director's Summit and a former UAA Board member. Michael possesses a Bachelor of Arts degree from Excelsior College, and a Master of Arts degree in Procurement and Acquisition Management from Webster University.

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# **UAA CONNECT**

**COLLEGIATE AVIATION NEWS** 

#### Welcome 2025 Newest Board Members

Thank you in advance for taking time to think about the leadership opportunities for the future of University Aviation Association. New trustees will join the Board of Trustees January 1, 2025. CONGRATULATIONS to the newly Elected Board Members!

#### **Educator Trustees**



#### Tony Foster, PhD - University of Dubuque

Tony Foster, Ph.D., is an Associate Professor of Aviation and the Head of Academics in the Aviation Department at the University of Dubuque, Iowa. He earned his Doctor of Philosophy in Aerospace Sciences from the University of North Dakota and his Master of Aeronautical Science from Embry-Riddle Aeronautical University. Additionally, he holds a Bachelor of Science in Flight Operations and Aviation Management from the University of Dubuque, where he has been employed since 2011. Dr. Foster is an experienced pilot with several pilot and instructor certificates issued by the Federal Aviation Administration. His work has been published in peer-reviewed journals, including The Collegiate Aviation Review International and the International Journal of Aviation, Aeronautics, and Aerospace.



#### Scott Vlasek - University of Nebraska at Omaha

Scott Vlasek is the Director of the Aviation Institute at the University of Nebraska at Omaha. He holds a Master of Public Administration degree with an Aviation Administration concentration and a Bachelor's degree in Aviation Studies, both from the University of Nebraska at Omaha. Mr. Vlasek's journey with the Aviation Institute is a testament to his dedication and passion for aviation education. He began his career as a Student Assistant in 1995, progressed to a Graduate Assistant position in 1996, and became a full-time employee in 1998. Throughout his tenure, he has held various roles, including Academic Program Coordinator and Manager of Technology. In 2007, he transitioned to a faculty member, where he continues to inspire and educate future aviation professionals with his enthusiasm and energy.



#### Andreas 'Baron' Wesemann - Utah State University

Professor Baron, as he is known to his students, is the Associate Department Head of Aviation Technology at Utah State University. After graduating from the United States Air Force Academy, he served 27-years in the Air Force as a Combat Rescue Pilot, becoming an instructor pilot in 5 different aircraft. Lieutenant Colonel Wesemann stood up the new T-6A Undergraduate Pilot Training aircraft in 2000, creating the new syllabi and instructions which all other pilot training bases modeled their respective programs. Since his retirement in 2014, Professor Baron has passionately led the Professional Pilot Program at USU, quadrupling the size of the program, and adding a new small Unmanned Aerial Systems and a new Master of Aviation Science degree.

### **RESERVE ADVERTISING SPACE IN THE 2025 CAG & CASC**

#### Your ad will be seen by thousands through both digital and printed formats.

Advertisers will receive both a full-color digital ad in the electronic copy of the CAG and CASC, and more than 2,000 printed copies to be distributed from UAA's booth at more than six events annually.

#### **Collegiate Aviation Guide**

The CAG is distributed directly to high schools, parents, Guidance Councilor's, and college students.

#### **Collegiate Aviation Scholarship Catalog**

The CASC is distributed directly to colleges, instructors, collegiate aviation professionals, and college students.

The commitment deadline is October 30th, with the final print-quality PDF due November 15th Contact Geoff Ware to reserve your space. (901)563-0505 or gware@uaa.aero

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#### **AROUND CAMPUS**

#### Welcome New UAA Members

**INDUSTRY** 

**Magnolia CFI Academy** Sean Hamilton

**Pacific Simualtors Ltd - PacSim** Julia March

#### INSTITUTION

Northwestern Michigan College **Josh Shivley** 

#### ACADEMIC PROFESSIONAL

Andy Dattel **Embry-Riddle Aeronautical University** 

**Marla Faison** Elizabeth City State University

Shantanu Gupta **Bowling Green State University** 

**Stephen Pantalone Delaware State University** 

Casey Phinney Metropolitan State University of Denver

**Fernando Cifuentes Sanchez** Middle Tennessee State University

#### **STUDENTS**

**Qayla Bailey** Winter Haven High School

**Athina Holmes** Embry-Riddle Aeronautical University

> Matthew Mazzoni Maryood University

**Connor McCauley Oklahoma State University** 

> Grace Miller Maryood University

> Stella Nawyn Miami Dade College

**Addison Ridings High School Student** 



#### **REGISTRATION:**

- Open for everyone: October 1, 2024
- Registration deadline for International Students: Friday, December 13, 2024
- Registration deadline for all others: Monday, December 16, 2024 (closes promptly at noon CST)

#### FEES:

- Registration Fee: \$275
- Scholarships available for students and faculty (details below)

#### **ACCOMMODATIONS:**

- Hotel: Hilton Washington DC National Mall The Wharf
- Dates: Check-in Sunday, January 5, 2024 Check-out Thursday, January 9, 2024
- Rate: \$149 per night (not including DC tax of 14.95%)
- Book online: UAA Booking Link Here

#### **MEALS:**

#### **DRESS CODE:**

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- Smart casual
- Not included in registration fee - Fast-food options available nearby
- Shirt and tie - No jeans

# Scholarship Information:

FOUR scholarships will be awarded, ONE (1) faculty and THREE (3) students

- One faculty/staff member

- Three students (undergraduate & graduate) - Open to: Individuals at UAA member colleges/universities

# Each scholarship includes

- Registration fees
- Round-trip airfare on American Airlines
- \$1,000 cash for hotel and expenses

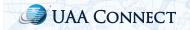
- Apply online: DC Scholarship Link Here

courtesy of American Airlines and Piedmont Airlines





FOR INQUIRIES: Contact UAA at: (901)563-0505 or hello@uaa.aero



# Dear Speakers of the 2024 Collegiate Aviation Education Conference & Expo



I hope this message finds you well. After another successful annual event last week, I'd like to invite you to publish your presentation in Collegiate Aviation Review International (CARI) Issue 42-2 as part of the Conference Proceedings.

To do so, simply convert your presentation into a concise academic article (up to 10 pages, including references) following CARI's formatting guidelines [https://ojs.library.okstate.

edu/osu/index.php/CARI/about/submissions#authorGuidelines]. Please submit your manuscript under the "Proceedings" section on CARI's website by October 30, 2024. Proceedings, including your work, will be published alongside CARI Issue 42-2 by year-end.

This invitation excludes speakers from the Professional Papers Sessions whose work has appeared in CARI 42-1 or 42-2.

Your contribution to our academic community is invaluable, and we hope to feature your research in CARI. For any queries, feel free to contact the Editor of CARI, Dr. Victor Huang (chenyuhuang@unomaha.edu).

#### Chenyu "Victor" Huang, Ph.D., AAAE C.M.

Editor - Collegiate Aviation Review International Chair - University Aviation Association - Publications Committee



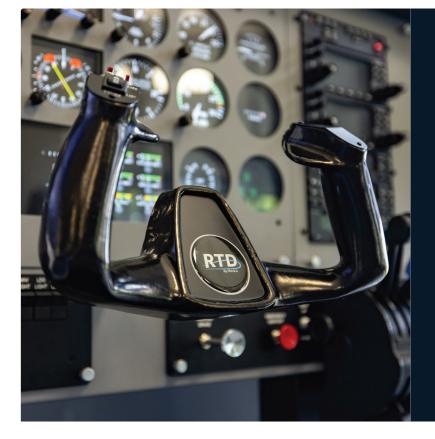
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# A Glimpse into the Skies: The Student Program at UAA's Collegiate Aviation Conference

The Student Program held on Friday, September 27th, at the UAA Collegiate Aviation Conference was an unforgettable experience for high school and early college students aspiring to soar into the world of aviation. The program offered a captivating and informative introduction to the diverse career paths available within the aviation sector.



Each sponsoring organization contributed invaluable insights into specific areas of the aviation industry Through engaging presentations, students were provided with a comprehensive overview of the various roles and responsibilities

involved in these fields. Following the presentations, interactive Q&A sessions allowed students to delve deeper into topics of interest, asking thoughtful questions and gaining valuable clarification from industry experts.



A highlight of the event was the student lunch, where attendees had the unique opportunity to connect with seasoned aviation professionals in an informal setting. Over lunch, students were

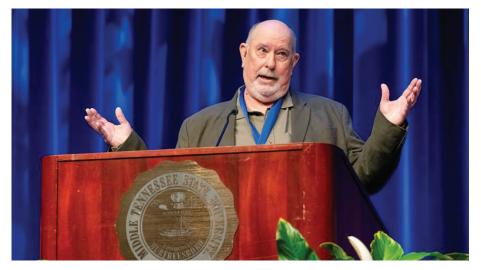
able to engage in personal conversations, hearing firsthand stories of what it's like to work in the aviation industry. These interactions provided invaluable guidance and inspiration for the students as they explored their career options.

After lunch, students were invited to explore the bustling expo hall, where they had the chance to interact with industry professionals and college representatives. The expo offered a wealth of information on aviation education programs, career opportunities, and the latest advancements in the field. Additionally, students were able to participate in handson simulator experiences, bringing the day's lessons to life in a thrilling and practical way. The immersive experience left attendees inspired and better equipped to make informed decisions about their futures in the aviation industry.





### From Freshman to Faculty: MTSU Professor Honored for Lifetime Achievement



Paul Craig, a seasoned professor in the Department of Aerospace at Middle Tennessee State University, has reached a remarkable milestone in his aviation career. Beginning his academic journey at MTSU as a humble freshman, Craig has soared to new heights, earning the prestigious Career Achievement Award for 2024.

Presented by MTSU President Sidney A. McPhee and Brian F. Kidd, president of the MTSU Foundation, the award recognizes Craig's exceptional contributions to the field of aviation over the past four decades. His journey began in 1975 when he first joined the MTSU community, where he later earned a master's degree in aerospace education. In 1993, Craig returned to MTSU as the inaugural flight instructor, further solidifying his connection to the university. He subsequently completed his doctorate in education and has served as the coordinator of the Master of Science in Aeronautical Sciences degree program since 2016.

Beyond his academic pursuits, Craig has made significant contributions to the aviation industry. His work with NASA has been particularly noteworthy, earning him the Turning Goals into Reality Award for his innovative approach to scenario-based flight training projects. As he celebrates his 49th year in aviation, Craig's dedication and accomplishments continue to inspire students and colleagues alike.

A highlight of his longstanding career comes when he boards an airplane to find one of his former students at the controls. "I congratulate them and say how proud I am of them," Craig said.

These moments spur him to continue his career in aviation education. And he encouraged his fellow faculty members to continue positively impacting in the lives of students. "Be the difference maker. ... Go inspire your students."

# GoJet Inspiring the Next Generation

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GoJet was honored to bring our aircraft and President & CEO, Rick Leach, to the Lt. Col. Luke Weathers Jr. Flight Academy.

The opportunity to interact with the talented students and future aviators was truly inspiring. Lt. Col. Weathers Jr., a pioneering figure in aviation, paved the way for countless others as the first African American air traffic controller at Memphis International Airport. His legacy, including being the first African American to receive the key to the City of Memphis, is a testament to his groundbreaking achievements.

The academy, established to honor his contributions, offers life-changing training and mentoring programs for aspiring aviators. Supporting and encouraging the next generation of pilots is a commitment we take seriously. We believe that fostering a diverse and inclusive aviation community is essential to the future of the industry.

We extend our sincere gratitude to everyone at the academy for the warm welcome and the opportunity to connect with such inspiring individuals. We look forward to continuing to support the academy's mission and the future of aviation.



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### PILOT PAY CALCULATOR

# **Filling the Aviation Sustainability Gap**



The aviation industry faces a sustainability crisis. Its carbon footprint fuels climate change concerns, and its future is uncertain. To address this, the University of Waterloo's Waterloo Institute for Sustainable Aeronautics (WISA) has launched the International Aviation Sustainability Certification

(IASC). This online program offers three courses on global aviation, industry sustainability, and climate change.

#### Industry Endorsement

Starr Consulting Services, a leading aviation insurer, has endorsed the IASC. They recognize the industry's need to address sustainability regulations and have secured seats for their clients in the program.

#### **Driving Force Behind the IASC**

Dr. Suzanne Kearns, WISA's founder, is a former pilot and aviation professor. She saw a gap in aviation education regarding sustainability and climate change. Kearns believes that sustainability is crucial for the industry's future but requires significant upskilling.

#### **Industry Goals**

The aviation industry aims to achieve net-zero emissions by 2050. This involves reducing emissions and offsetting them through measures like reforestation. Sustainability also encompasses social and economic factors, such as workforce shortages.

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#### WISA's Role

WISA's IASC program provides essential knowledge for aviation professionals. The courses cover topics like international aviation fundamentals, sustainability practices, and climate change impacts. The Canadian government has invested in WISA's projects, recognizing their importance.

#### **Positive Feedback**

Participants in the IASC program have praised its interactive nature, real-world case studies, and valuable insights. Jeremy Wang, co-founder of Ribbit, a self-flying aircraft company, found the courses helpful in understanding sustainability beyond aircraft design. Evan Stamoulis, an Airworthiness Engineer with GainJet Aviation, appreciated the program's comprehensive coverage of sustainability topics. Pramoth Varsan Madhavan, the first person to complete the IASC, highlighted its transformative impact on his knowledge and advocacy for sustainable aviation.

#### Summarized article

Suzanne Kearns, PhD "Filling the Aviation Sustainability Gap" Waterloo Institute for Sustainable Aeronautics



#### APPLICATION WINDOW OPEN YEAR ROUND

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Cedar City residents may have noticed an unusual amount of commercial aircraft activity in the skies. These flights were part of an annual training exercise conducted by the Cedar City Fire Department, along with firefighters from St. George, Vernal, and Moab.

The training, mandated by the Federal Aviation Administration (FAA), is designed to prepare fire departments to respond to emergencies involving commercial aircraft. Cedar City Regional Airport was chosen to host this year's week-long event due to its busy commercial operations.

During the training, local firefighters had the opportunity to learn from industry experts and gain hands-on experience by practicing on donated aircraft, including a CRJ200 from SkyWest and a helicopter from Erickson Inc. The training included live fire drills to simulate real-world scenarios.

Cedar City officials expressed their gratitude to Southern Utah University's Aviation program and SkyWest Airlines for their support and participation in this essential training.

As the third-busiest commercial airport in Utah, Cedar City is committed to ensuring the safety of its residents and visitors through ongoing training and education for airport staff and first responders.

The training exercise was a valuable opportunity for local firefighters to enhance their skills and preparedness for potential aircraft emergencies.



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Department of Education

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#### **Agency Name:**

DOT - FAA Aviation Research Grants

#### **Description:**

The FAA hereby announces its continuing interest in receiving applications for aviation research grants and cooperative agreements to pursue the long-term growth and short-term technical needs of civil aviation, under this funding opportunity. Eligibility of applicants for the award of an aviation research grant varies depending on the nature of the proposer's organization, as well as the character of the research being proposed. In general, colleges, universities, and other non- profit research institutions under Section 501(c)(3) of Title 26 of United States Code, are eligible to apply for an aviation research grant.

**Deadline:** 

9/7/2027

The FAA Aviation Research Grants Program encourages and supports innovative, advanced research of potential benefit to the long-term growth of civil aviation and commercial space transportation. The pursuit of basic and applied research in scientific and engineering disciplines that have the potential to further knowledge and understanding on a broad front of emerging technologies is crucial to the realization of this goal. The intent is to encourage applied research and development to enhance technology assimilation, transfer, and development in the FAA. The FAA Aviation Research Grants Program does not require the immediate application to Research and Development (R&D) programs, although this may occur in some cases. The FAA encourages the submission of proposals that embrace the entire spectrum of physical, chemical, biological, medical, psychological, mathematical, and engineering sciences.

The following list illustrates topics of interest to those who may consider applying for a grant under this funding opportunity:

- 1. Capacity and Air Traffic Control Technology
- 2. Communications, Navigation, and Surveillance
- 3. Aviation Weather
- 4. Airports
- 5. Aircraft Safety Technology
- 6. Human Factors and Aviation Medicine
- 7. Systems Science/Operations Research

#### For more information:

Please carefully review FAA Notice of Funding Opportunity 20-01, and any supporting attachments.

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#### **If you have difficulty accessing the full announcement electronically, please contact:** Alicia Joynes

Aviation Research Grants Program Grants Management Division NextGen Organization

#### Link to Additional Information:

https://www.grants.gov/search-results-detail/328902

#### Let'sSoar

SAMYA ROSE STUMO NATIONAL AIR GRANT FELLOWSHIP PROGRAM



The Federal Aviation Administration (FAA) welcomes your interest in the Samya Rose Stumo National Air Grant Fellowship (NAGF) program. The program offers an opportunity for graduate students to gain experience in how aviation legislation and policy are developed in Congress.

#### ELIGIBILITY

Each Fellow will spend a year with a Congressional office that has jurisdiction over the FAA. A fellow may serve as an expert liaison and researcher for a Congressional committee and may participate in FAA program activities to turther develop their knowledge and skills. The program is designed to offer graduate students a hands-on experience at navigating public policy issues related to their field of expertise. FAA seeks participants in fields related to aerospace, including but not limited to, the followina:

- Aerospace engineering
  Electrical engineering
- Aerospace physiology
  Aeronautical engineering
  Software engineering
- Airworthiness engineering
  Systems engine

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www.faa.gov/nagf



The annual application schedule takes place every winter. For eligibility and application instructions, visit the NAGF website at www.faa.gov/nagf

#### FELLOWSHIP AWARD INFORMATION

The Samya Rose Stumo National Air Grant Fellowship program anticipates supporting multiple fellowships each calendar year.

- The application period for the 2025 cohort is December 1, 2024 through January 31, 2025.
- Length: 12-month, non-renewable fellowship assignment
  Start date: Late June/July of 2025



FAA Minority Serving Institutions (MSI) Intern Program

The MSI Internship Program is open to all eligible undergraduate and graduate college students attending an accredited college or university. An important focus of the program is providing opportunities to eligible students from groups that have been underrepresented in Aviation, Aeronautics and STEM.

We are now accepting applications for the FAA's Minority Serving Institutions internship! Go to https://bit.ly/FAAMSI to learn more about the program and how to apply. The MSI application period will be open from January 16 to February 2.

# WE'RE ON THE MOVE. LET'S GROW TOGETHER.

Once small and mighty, Piedmont Airlines is doubling the size of our fleet, creating an airline that will thrive into the future. With the unique opportunity to become a growing leader in the regional airline industry, we are seeking the best team members to reach for the skies alongside us.

Our commitment to developing the next generation of Pilots will propel Piedmont - and you - into a stable future. We strive for excellence and recognize that each and every Piedmont team member contributes to our success.

Discover your journey through Piedmont's Cadet Program, the most flexible program in the industry. Build time where you want, when you want – no partner school required. Not to mention a contractual flow program that guarantees Piedmont Pilots a job at American Airlines – with no further interview required.

# Join us today and let your future take flight!







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#### **Boeing Career Enhancement Scholarship**

Scholarship Sponsor Boeing Company and Women in Aviation International

Contact www.nj99.org Usual Deadline October

### Amount(s) Awarded

Scholarship Awards Vary

#### Description

Scholarship is available for a woman who wishes to advance her career in aerospace industry in the fields of engineering, technology development or management. The award is to be used for educational purposes only and may not be applied toward flight hours. Applicants may be full-time or part-time employees currently in the aerospace industry or related field. Students pursuing aviation related degrees that are at the junior level with a 2.5 GPA or higher.

#### **RACCA/UPS Flight Path Scholarships**

Scholarship Sponsor The Regional Air Cargo Carriers Association (RACCA)

Contact www.raccaonline.org Usual Deadline October

#### Amount(s) Awarded

(4) \$2,500 RACCA Aviation Scholarships

#### Description

Applications are now open for the \$20,000 in funding available through the Regional Air Cargo Carriers Association and UPS Flight Path scholarships designed to help aspiring pilots, aircraft maintenance technicians (AMT) and airline managers to pursue their careers.

#### **Scholarship Criteria**

To qualify for the scholarships, applicants must be: A college student currently enrolled in an accredited aviation program; A resident of the United States.

#### **RACCA Scholarship**

Scholarship Sponsor The Regional Air Cargo Carriers Association (RACCA)

Contact www.raccaonline.org Usual Deadline October

#### Amount(s) Awarded

Eight (8) Scholarships Awarded, valued at \$2,500 each will be made to students pursuing a career in aviation as a Pilot or FAA aircraft Mechanic with Airframe and/or Powerplant.

#### Description

The RACCA Aviation Scholarship is established for the purpose of promoting and assisting aviation as a career choice and to make students aware of the opportunities in the Air Cargo Industry.

#### Aim High Flight Academy (AHFA) Scholarship

Scholarship Sponsor Aim High Flight Academy (AHFA)

#### Contact www.aimhighflightacademy.com

Usual Deadline October

The Aim High Flight Academy (AHFA) is an aviation scholarship for a three-week introductory flight program at various universities across the world.

The mission of the AHFA is to inform, influence, and inspire the next generation of aviators and leaders. After completion of the AHFA, students will understand the pathways to become an Air Force officer, aviator, and earn up to 15 flight hours.

AHFA pairs high school students, USAFA, and AFROTC cadets with current Air Force members who provide mentorship about the various aviation professions and career fields.

If the applicant is having difficulty applying, navigating the application software, or has questions please send AHFA an email at: Afrs.ahfa.studentapplications@us.af.mil

#### • Earn up to 15 flight hours.

- All expenses paid, including training, rooms, meals and travel.
- No experience needed to apply. We'll teach you everything you need to know!

#### APPLY HERE: https://www.recruiti

https://www.recruiting.af.mil/Aim-High-Flight-Academy/ Or scan the OR Code

ACADEMY

WHAT IS IT?

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Applications are open to high school students that: • Are 16 by June 1st 2025 • Graduate in 2025 or 2026

ying?





#### **Delta Air Lines Aviation Management Scholarship**

Scholarship Sponsor Aircraft Electronics Association (AEA)

Contact dwallace@wai.org Usual Deadline November

#### Amount(s) Awarded

One (1) Scholarships Awarded, valued at \$5,000

#### Description

Through Women in Aviation International (WAI), the Delta Air Lines Aviation Management Scholarship is granted for \$5,000 annually to a deserving student enrolled in an Associate's or Bachelor's Degree program for aviation management.

#### **Scholarship Criteria**

Candidates must be full-time college students, have at least two semesters remaining, carry a minimum cumulative GPA of 3.0 or higher, have U.S. Citizenship or permanent residency, and write a 1,000-word career goals essay. Recipients also receive an expenses-paid trip to the Annual WIA Conference.

#### Pratt & Whitney Engine Maintenance Scholarship

Scholarship Sponsor Association for Women in Aviation Maintenance (AWAM)

Contact www.awam.org Usual Deadline November

#### Six (6) Scholarships Awarded, valued at \$5,500

Amount(s) Awarded

#### Description

The DanMeisinger Memorial Learn to Fly Scholarship was established in the honor and memory of Dan L. Meisinger Sr., whose career in aviation spanned 63 years. He was founder of Executive Beechcraft, headquartered in Kansas City, Missouri, and was twice named Beech Aircraft's Man of the Year. This fund's purpose is to provide an annual flight training scholarship to a qualified individual.

#### Pioneers of Flight Scholarship

Scholarship Sponsor National Air Transportation Foundation (NATA)

Contact www.nata.aero Usual Deadline November

#### Amount(s) Awarded

Two (2) Scholarships Awarded, valued at \$1,000

#### **Scholarship Criteria**

College students, sophomore or junior year; Enrolled in a full-time aviation degree program at an accredited fouryear college or university; GPA of 3.0 + on a 4.0 scale; Able to demonstrate an interest in pursuing a career in general aviation.

#### Susan Liebeler Female Student Pilot Scholarship

Scholarship Sponsor Ninety-Nines, Ventura County Chapter

Contact scholarships@vc99s.org

Amount(s) Awarded

Usual Deadline November

# Up to \$3,000 **Description**

Up to \$3,000 could be yours towards your flight training costs!

#### Scholarship Criteria

A female over the age of 17. Living/working in Ventura County or training at a Ventura County airport (CMA, OXR, SZP or NTD). A minimum of 5 flight hours within 90 days preceding the award application deadline. Two hours may be in an Advanced Aviation.

#### **Zonta Amelia Earhart Fellowship Awards**

Scholarship Sponsor Zonta International Foundation (ZIF)

#### Contact

www.zonta.org

Usual Deadline November

#### Amount(s) Awarded

One (1) Scholarships Awarded, valued at \$10,000

#### Description

Women of any nationality pursuing a Ph.D./doctoral degree, who demonstrate a superior academic record conducting research applied to aerospace engineering or space sciences are eligible. It is imperative that students be registered in a full-time Ph.D./doctoral program and have completed at least one year of that program, or have received a master's degree in an aerospace-applied field.



### FOR ADDITIONAL COLLEGIATE AVIATION SCHOLARSHIPS

#### Metropolitan State University of Denver Tenure Track Faculty Position

MSU Denver enrolls over 16,000 students, where nearly 60% are first generation and over 55% are students of color. Located in downtown Denver, we are a designated Hispanic Serving Institution (HSI) and the only Seal of Excelenciacertified institution in Colorado. As the third largest institution of higher education in Colorado and the only institution with an open access mission, MSU Denver is a model university for today's college students. The University serves the most diverse undergraduate student population in the state, as well as the most first-generation students & Deferred Action for Childhood Arrivals students. MSU Denver is particularly interested in applicants who have experience working with students from diverse backgrounds and a demonstrated commitment to improving access to higher education for under-represented and historically minoritized groups.

#### About the Department of Aviation and Aerospace Science

MSU Denver's Aviation and Aerospace Science Department has reimagined possibilities by evolving into one of the largest and most sophisticated programs in the country. Our students have access to unrivaled resources no other university in Colorado can offer; such as the most innovative flight simulation training laboratories in the world, an oncampus satellite engineering lab and partnerships with the industry that grants students access to the same advanced technology and software used at NASA. For more information on the department, please visit: https://www.msudenver.edu/ aviation-aerospace/.

#### **Position Summary**

MSU Denver invites applications for a tenure track faculty position in the Department of Aviation and Aerospace Science at the rank of Assistant Professor. This a nine-month appointment with a preferred start date in January 2025 for the spring semester; otherwise, the position would start in August 2025 for fall semester. The successful applicant will (a) instruct 12 credit hours of aviation-oriented coursework per academic semester (fall & spring) and (b) maintain 5 scheduled office hours per week to include advising and consultation with students. This position also requires various responsibilities related to professional development and service. MSU Denver has a robust mentoring program for tenure-track faculty. The candidate will be enrolled in the Roadrunner Faculty Academy during their rst year. This is a year-long course designed to support new faculty navigate faculty life and thrive in teaching, scholarly activity and service.

#### Responsibilities will include:

 Instructing 12 credit hours of aviation-oriented coursework per fall and spring semesters. Candidates will be expected to teach courses such as, but not limited to, the following: Crew Resource Management, Advanced Navigation, Professional Flight Standards, Aircraft Systems and Propulsion, Aerodynamics, Human Factors and Physiology of Flight, and FAA 141 Pilot Ground Courses. - Maintaining office hours, advising/consulting with students, and engaging in student-centered activities.

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- Additional responsibilities in professional development, scholarly activities, and service to the Department, College, University, and community.

#### **Required Qualifications**

- A master's degree or doctoral degree in Aviation and Aerospace Technology/Science or related field
- Four years or more of aviation-related work experience.

#### **Preferred Qualifications**

- FAA certifications and ratings to include: (a) Commercial Pilot, (b) Instrument Airplane, (c) Certified Flight Instructor Single and Multi-Engine Airplane, (d) Certified Flight Instructor – Instrument Airplane
- Teaching experience to include: (a) four or more semesters of documented teaching at a U.S. nationally accredited collegiate institution in classes related to aviation or aerospace science and (b) experience instructing collegiate classes online via Web-based
- FAA Part 121 or 135 Experience and FAA Type Rating in Regional Jet, Large Air Transport Category Aircraft, or Corporate Jet

#### Salary for Announcement

The salary range for this position is \$80,000 - \$90,000 at Assistant Professor rank. The salary of the nalist selected for this role will be set based upon a variety of factors, including but not limited to, internal equity, education, experience, specialty and training.

#### Instructions to Apply

Interested applicants must apply online at MSU Denver's career site, https://msudenver.wd1.myworkday jobs.com/ MSUDenver and search for JR103022. Click on Apply to submit the following required materials:

- 1. Curriculum vitae
- 2. Cover letter
- 3. Teaching philosophy
- 4. Peer/student evaluations, if available

5. Copies of relevant licenses or certifications, if available (front and back images)

6. A list of three professional references and their contact information

7. Unofficial copies of graduate transcripts. Ofcial transcripts will be required of the candidate selected for hire. Please email Tanya Rogowsky within the Office of Human Resources at trogowsk@msudenver.edu for assistance uploading all required documents.

#### Deadline

Applications accepted until position filled; priority given to applications received by November 10, 2024.

#### Posted to UAA on 10/02/24

#### **CAREER OPPORTUNITIES**





#### **Airlines for America**

#### **Airline Traffic Management Coordinator**

The Airline Traffic Management Coordinator, working at the Federal Aviation Administration (FAA) Air Traffic Control (ATC) System Command Center (ATCSCC) in Warrenton, Virginia, is the primary advocate for all Airlines for America (A4A) member airlines working collaboratively to ensure implementation of appropriate solutions to operational problems while maintaining the safety and integrity of the National Airspace System (NAS).

#### **Duties & responsibilities:**

- Facilitate seamless communication between A4A member carriers and FAA ATCSCC on all pertinent traffic management initiatives.
- Review tactical and strategic system efficiency constraints and collaborate with member carriers to heighten situational awareness.
- Facilitate the A4A daily conference call with A4A member carriers to develop a daily strategic plan of operation for member airline's situational awareness.
- Participate in daily FAA ATCSCC Telcons, Event Reviews and National System Reviews (NSR).
- Represent A4A as required in various air traffic forums.
- Participate in A4A Council meetings and activities as directed.

#### **Qualifications:**

- Bachelor's degree in a related aviation/safety field or equivalent experience.\
- Strong knowledge of airline operations control and air traffic management system operations required.
- FAA Flight Dispatch Certification and/or FAA ATC experience preferred.
- Three years of experience at FAA FAR 121 carrier preferred.
- Must be able to effectively facilitate written & verbal communication and advocate positions on behalf of A4A member carriers in a positive, even-tempered and nonconfrontational manner.
- Must be a U.S. citizen to obtain the required security clearance.

#### Work environment:

All A4A employees must be fully vaccinated against Covid-19.

#### **Competitive benefits:**

Choice of medical plans, plus free life, dental and vision coverage. 401(k) with matching and discretionary contributions, airline travel privileges.

#### How to apply:

Interested applicants should send a cover letter, resume and salary requirements to hr@airlines.org to the attention of JOA# 24-13.





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# UAA UNIVERSITY AVIATION ASSOCIATION THE VOICE OF COLLEGIATE AVIATION SINCE 1947

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 $\rightarrow$ PASSENGER TICKET UAA 78 COLLEGIATE AVIATION EDUCATION CONFERENCE JOIN US Taking Off: The Education of an Aviator DATE: SEAT: HILTON ORANGE COUNTY October 1-3,2025 **COSTA MESA** lιA TIME: ገጋና FIRST CLASS LAUNCHES 0730 DEPARTURE: 3050 Bristol St Costa Mesa, CA 92626 ..... TY AVIATIO ORANGE COUNTY BOARDING PASS

# **UAA 78th Collegiate Aviation Education Conference**



#### **About the Conference**

Join us for the 2025 Collegiate Aviation Education Conference & Expo in Costa Mesa, California. This premier event, hosted by the University Aviation Association, will take place October 1-3, 2025 at the Hilton Orange County/Costa Mesa.

#### **Key Highlights:**

#### **Networking Opportunities:**

Connect with over 400 attendees, 70+ colleges and universities, and 10+ airlines.

Educational Insights:

Attend 40 thought-provoking education sessions led by 85 industry experts.

Industry Showcase:

Explore the latest innovations from 50+ exhibitors.

#### **Collaborative Discussions:**

Participate in committee meetings focused on shaping industry policies and practices.

#### Learn, Network, Connect!

The annual collegiate aviation conference is your go-to platform for staying informed about the latest trends, best practices, and advancements in aviation education. Discover insights from government agencies, university professionals, researchers, safety experts, and industry leaders.

#### Don't miss this opportunity to:

- Gain valuable knowledge and skills
- Build relationships with peers and industry professionals
- Explore career opportunities



Orange County comfort in reach of Newport Beach Find us at the heart of the I-405/Routes 73/55 intersection, five minutes from John Wayne Airport via free shuttle. Our hotel is less than seven miles from the waterfront attractions and dining of Newport Beach Pier.

For questions contact (901) 563-0505 or address your questions to hello@uaa.aero Visit us on the web: www.uaa.aero - 5050 Poplar Avenue, Suite 1503, Memphis, TN 38157

