

UAA CONNECT

THE OFFICIAL PUBLICATION OF THE UNIVERSITY AVIATION ASSOCIATION SEPTEMBER 2024

EXPERIENCE THE ULTIMATE AVIATION CONFERENCE & EXPO IN MEMPHIS



SEPTEMBER 25-27, 2024

The University Aviation Association invites you to our annual conference in Memphis. Discover a world of professional growth and networking opportunities at this three-day event.

Our comprehensive agenda includes:

- **Safety Initiatives:** Learn from experts at the Flight Trainer Safety Infoshare.
- **Leadership Development:** Enhance your skills through Administrative Leadership Forums and Professional Development Workshops.
- **Research and Innovation:** Explore the latest trends in aviation research at Roundtables, Professional Paper, and Poster Submissions.
- **Networking and Exploration:** Connect with peers, discover new technologies in the Exhibit Hall, and expand your professional network.


Key topics to be covered include:

- Mental Health and Student Well-being
- The Future of Aviation Education
- Fostering Industry Partnerships
- Sharing Best Practices and Open Resources

We look forward to welcoming you to Memphis and providing an unforgettable conference experience.

please join us for the University Aviation Association

Red Carpet Reception

September 26, 6:00-6:45 PM. Sponsored by  **Diamond**
AIRCRAFT

Awards of Excellence Dinner

Ticketed event at 7:00 PM. Sponsored by  **PIEDMONT**

SPEAKERS OF NOTE

Weds., September 25 8:00 AM - 9:30 AM

Grant Colby
Director of Ground Safety
Piedmont Airlines

Jennifer Homendy
Chair
National Transportation Safety Board

Thursday, September 26 8:00 AM - 9:00 AM

Rick Leach
Chief Executive Officer & President
Gojet Airlines

Friday, September 27 8:00 AM - 9:00 AM

Shannetta Griffin
Associate Administrator for Airports
Federal Aviation Administration

Flight Trainer Safety Infoshare Keynote

Weds., September 25 9:45 AM - 10:00 AM

Heather Halverson
Sr. Manager of SMS & Regulatory Compliance
Federal Aviation Administration

Hilton Memphis room rate **CLOSES IN DAYS.**

Available Until September 3rd!!

A block of rooms has been reserved for September 24, 2024 thru September 27, 2024.

The special room rate of \$165 a night will be available until September 3rd or until the group block is sold out, whichever comes first. For additional information and reservations [click here.](#)

PROGRAM AT A GLANCE

Tuesday, September 24

4:30 pm – 6:30 pm	Board of Trustees Annual Meeting	open to all members
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Wednesday, September 25

7:00 am – 8:00 am	Morning Coffee Service
7:00 am – 3:30 pm	Registration Open
8:00 am – 9:30 am	Opening Speaker: Grant Colby, Director Ground Safety, Piedmont Airlines Keynote Speaker: Jennifer Homendy, Chair, NTSB
9:15 am – 3:00 pm	EduTours of Local High School Flight Training Facilities
9:45 am – 6:00 pm	Flight Trainer Safety InfoShare Keynote: Heather Halverson, Senior Manager of SMS and Regulatory Compliance at Frontier Airlines
10:15 am – 11:45 pm	Workshop: Publishing
11:30 am – 12:30 pm	Lunch On Own
12:30 pm – 1:30 pm	Education Sessions: Academics Student
1:00 pm – 2:30 pm	Workshop: Curriculum
1:00 pm – 6:00 pm	Exhibitor Set-Up
2:00 pm – 3:00 pm	Education Sessions: Mental Health
3:00 pm – 3:30 pm	Refreshment Break
3:30 pm – 4:30 pm	Education Sessions: Academics & Best Practices
5:00 pm – 6:00 pm	First Time Attendees Social
6:00 pm – 7:00 pm	WELCOME TO MEMPHIS RECEPTION

UAA 77 COLLEGIATE AVIATION EDUCATION CONFERENCE

 PASSENGER TICKET



WHERE AVIATION & EDUCATION MEET

DATE:
September 25-27, 2024

SEAT:
1A
FIRST CLASS

TIME:
LAUNCHES 0830

DEPARTURE:
939 RIDGE LAKE BOULEVARD
MEMPHIS, TENNESSEE, 38120 USA



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BOARDING PASS

PROGRAM AT A GLANCE

Thursday, September 26

6:45 am – 7:40 am	Board & Committee Chairs Breakfast Meeting	ticket required
7:00 am – 8:00 am	Morning Coffee Service	
7:00 am – 3:30 pm	Registration Open	
8:00 am – 9:00 am	Keynote Speaker: Rick Leach, GoJet CEO and President	
9:00 am – 4:15 pm	Exhibit Hall Opens	
9:00 am – 9:45 am	Refreshment Break in Exhibit Hall	
10:00 am – 11:00 am	Education Sessions: Mental Health, Historic, Training, & Pipeline	
10:00 am – 11:30 am	Leadership Panel	
11:00 am – 11:30 am	Refreshment Break in Exhibit Hall	
11:00 am – 12:00 pm	Lunch On Own	
12:15 am – 1:15 pm	Committee Meetings: ATC, Aviation Maintenance, Aviation Management & Policy, Flight Education, & Publications	
1:30 pm – 2:30 pm	Education Sessions: Human Trafficking, DEI, Safety, & Best Practices	
2:30 pm – 3:15 pm	Refreshment Break in Exhibit Hall	
3:15 pm – 4:15 pm	Professional Papers Session A: Academics, DEI, Mental Health, & Students	
4:15 pm	Exhibit Hall Closes	
6:00 pm – 6:45 pm	Red Carpet Reception	open to all
7:00 pm	ANNUAL AWARDS OF EXCELLENCE BANQUET	ticket required

About the Conference



400+
Attendees



70+
Colleges &
Universities



40
Education
Sessions



85
Presenters



50+
Exhibitors



10+
Airlines

The conference will offer innovation workshops, thought-provoking education sessions, and opportunities to hear from leaders across the industry. During the meeting, committees will discuss targeted issues and policy positions that affect core groups within the membership.



Date: September 25-27, 2024

Location: Hilton Memphis, Memphis, Tennessee

Registration: https://www.memberleap.com/members/evr/reg_event.php?orgcode=UAA&evid=40423439

PROGRAM AT A GLANCE

Friday, September 27

6:30 am – 7:30 am	Past-Presidents Breakfast	by invitation
7:00 am – 8:00 am	Morning Coffee Service	
7:00 am – 1:30 pm	Registration Open	
8:00 am – 9:00 pm	Keynote Speaker: Shannetta Griffin, FAA Assoc Administrator of Airports	
8:30 am – 1:30 pm	Nextgen Student Program	
9:00 am – 3:30 pm	Exhibit Hall Opens	
9:00 am – 9:45 am	Refreshment Break in Exhibit Hall	
10:00 am – 11:00 am	Research Roundtable	
10:00 am – 11:00 am	Education Sessions: Mental Health, Safety, Learning, & Pipeline	
10:00 am – 11:00 am	Workshop: Mental Health	
11:00 am – 11:30 am	Refreshment Break in Exhibit Hall	
11:00 am – 12:15 pm	Lunch On Own	
11:15 am – 12:00 pm	Student Lunch with Professionals	ticket required
12:00 pm	Silent Auction Closes	
12:15 am – 1:15 pm	Committee Meetings: Dispatch, Diversity Equity & Inclusion, Unmanned Aerial Systems, & Safety	
1:30 pm – 2:30 pm	Annual Meeting of the Membership	
1:30 pm – 2:30 pm	Professional Papers Session B	
1:30 pm – 2:30 pm	Education Sessions: Flight Academics, and Mental Health	
2:30 pm – 3:30 pm	Closing Reception: Student Poster Awards & Doorprize Winners	

Learn, Network, Connect!



The annual collegiate aviation conference is the premier gathering place for college and university educators focusing on the collegiate aviation industry. It includes presentations from government agencies, university professionals, research-based programs, safety professionals, and those committed to best practices in aviation education in the college and university environment.

Thank You!

2024 CONFERENCE SPONSORS

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EXHIBITORS ALPHABETICALLY

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	Air Maestro Spidertracks		JETPUBS Inc.
	Alsim		King School
	Ameriavia Inc / Vulcan Air Aircraft		Kore Aviation
	Aviator Assistant		Latino Pilots Association
	Aviation Supplies & Academics, Inc.		Middle Tennessee State University
	Cirrus		National Gay Pilots Association
	Diamond Aircraft Industries		Organization of Black Aerospace Professionals
	Embry-Riddle Aeronautical University		Piedmont Airlines
	Endeavor Air		Piper
	Envoy Air		Professional Asian Pilots Association
	Federal Aviation Administration		PSA Airlines
	FlightDeck Solutions		Republic Airlines
	FlightSafety International		Sentia Publishing
	FlightLogger		Talon
	Flight Schedule Pro		Textron
	Four Forces		The Ninety-Nines, Inc.
	ForeFlight		The University of Memphis
	Frasca International, Inc.		U.S. Air Force Aim High
	Garmin		Virtual Fly S.L.
	Gleim		Wing Aero Products, Inc
	GoJet		Wings Leasing

Accepting silent auction donations!



UAA will hold our annual Silent Auction during its 77th Collegiate Aviation Conference & Expo in Memphis, Tennessee. Proceeds from the Silent Auction will benefit the UAA Endowment Fund for scholarships and educational programs.

If you or your organization would like to donate one or more items to the Silent Auction, download and complete the form provided below before September 20th.

Shipped items must be received at the UAA headquarters in Memphis by September 25, 2024, or hand-delivered to the registration counter at the UAA's 2024 Collegiate Aviation Education Conference & Expo. Donate today.

Silent auction form here: https://www.uaa.aero/docs/Memphis_Silent_Auction_form.pdf



DONATE

Although not required, aviation-themed items normally spark the most of enthusiasm among bidders.

SUGGESTED ITEMS INCLUDE THE FOLLOWING:

- Flight Bags
- Luggage
- Gift Certificates
- Model Aircraft
- Gift Baskets
- University Apparel
- Electronics
- Corporate Apparel
- Airline Tickets

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Mark Taylor

JETPUBS Inc
Larissa Fildes

KORE AVIATION
Min Kim

ACADEMIC PROFESSIONAL

Dothang Truong
Embry-Riddle Aeronautical University

Marty Whelan
Aerospace.org

STUDENTS

Luke Ament
Marwood University

Andrew Cockrill
The Woodlands Chrisitan Academy

Regch De Leon
Indiana State University

Alejandra Gentil
University of St Andrews

Joseph Guglielmo
Marwood University

Drew McCullough
Keller High School

Matthew Kerr
Texas Southern University

Charles Roberts
Johnson County Community College

Jonathan Schmidt
Marwood University

Chase Snyder
Marwood University

Matthew Taylor
Marwood University

Mary Woody
Embry-Riddle Aeronautical University



Why STEM Education is Critical for the Next Generation of Aviators



Rising Aviation High School emphasizes that STEM (Science, Technology, Engineering, and Math) education is not just beneficial but essential for the future of the aviation industry. According to an article by Rising Aviation, STEM subjects form the backbone of aviation and

aerospace, providing the critical knowledge required for students to succeed in this rapidly advancing field. By mastering these areas, students are equipped to navigate and lead in a technology-driven environment, whether they aspire to become pilots, engineers, or aviation technicians.

The aviation industry is currently facing a significant skills gap, with many experienced professionals nearing retirement. This gap presents a unique opportunity for the next generation to step up, and a strong STEM education is the key to filling this void. A well-rounded STEM curriculum ensures that students are not only proficient in technical skills but also capable of creative problem-solving and innovative thinking—skills that are vital in tackling the complex challenges. Education in STEM also opens doors to emerging fields within aviation, such as Unmanned Aircraft Systems (UAS) and Aviation Cybersecurity. These areas are rapidly growing and require specialized knowledge, making them exciting career paths for students.

UAA NATIONAL AVIATION DAY SOCIAL MEDIA CHALLENGE WINNER



The University Aviation Association is excited to announce that Rylie Lewis from Marywood University has won the UAA Aviation Day Challenge! Her outstanding participation, which garnered the most likes and posts, has earned her a \$500 scholarship. Rylie’s enthusiasm and hard work truly stood out, and we are incredibly proud of her achievements.

Rylie shared her inspiration in one of her posts, highlighting Jacqueline Cochran, a pioneering figure in aviation. Cochran was the first woman to break the sound barrier in 1953 and played a crucial role in creating the Women’s Auxiliary Army Corps during WWII. Rylie’s admiration for Cochran reflects her own aspirations in the aviation field.

We congratulate Rylie on her well-deserved win and look forward to seeing her continue to make strides in the world of aviation.

Dates of Note

September 2	Labor Day
September 21	Girls in Aviation Day

2024 OBAP Annual Convention ONE: Mission. Moment. Memphis.



The University Aviation Association made a significant impact at the 48th annual Organization of Black Aerospace Professionals (OBAP) Conference in Memphis. The three-day event, held in the local community, served as a platform to showcase collegiate aviation education to a diverse audience. Over 100 high school students attended, eager to explore the aviation industry and its myriad career opportunities.

The association’s exhibit, among over 100 others, featured interactive demonstrations, engaging discussions with industry professionals, and opportunities for students to learn about various aviation pathways. The event was a resounding success, inspiring countless young people to consider careers in aviation and aerospace.

The University Aviation Association’s participation in the OBAP Conference was a testament to their dedication to providing accessible and inclusive aviation education. By engaging with students from the local community, they helped to bridge the gap between academia and industry, inspiring a new generation of aviation enthusiasts.

Airbus Marks Milestone with 500th U.S.-Built Airliner



Airbus celebrated a significant milestone on Thursday, rolling out its 500th aircraft manufactured in the United States from the company’s facility in Mobile, Ala. The A321neo, destined for Delta, marks a key achievement for the European manufacturer since establishing its U.S. assembly operations in 2015.

The company is currently expanding its Mobile facility with a third A320 Family final assembly line, scheduled to open next year. This expansion is expected to further bolster the company’s global production capacity.

“This 500th aircraft milestone belongs to our Airbus employees. Their relentless passion and hard work made this achievement possible,” said Daryl Taylor, Senior Vice President of Commercial Aircraft Operations for Airbus in the U.S., in a press release. “Our journey has also been supported every step of the way by our community, and by our customers who have put their trust in Airbus. We look forward to continuing to build safe, quality aircraft for our customers in the U.S. and Latin America.”

Delta has acquired over 130 aircraft produced in Mobile. Kristen Bojko, the airline’s vice president of fleet, praised the partnership with Airbus and the positive impact of the U.S.-built aircraft on the airline’s operations.

Local officials also expressed their enthusiasm for the achievement. Mobile County Commission President Randall Dueitt and Mobile Mayor Sandy Stimpson highlighted Airbus’ significant contribution to the region’s economy and job creation.

**HAPPY
LABOR DAY
SEPT 2, 2024**

Thank you for your hard work!



UAA
UNIVERSITY AVIATION
ASSOCIATION

U.S. Airlines Gear Up for Labor Day Travel

The Transportation Security Administration (TSA) is expecting a record-breaking Labor Day holiday weekend – capping off the end to a record-shattering summer travel season.

TSA said it’s preparing to screen more than 17 million people over the Labor Day holiday period, with the peak travel day predicted to be Friday, August 30.

Airlines are gearing up as well, showing 3.3% more seats departing from U.S. airports over the holiday weekend compared to last year.

Consumers can also take advantage of historically low airfares – government data shows inflation-adjusted airfares for 2024 are averaging 9% lower than the same time during 2023.

“The record travel we have seen this summer would not be possible without the men and women in the U.S. airline industry,” said Rebecca Spicer, Airlines for America’s (A4A) SVP of Communications. “We are proud to employ one million employees who help transport millions of passengers and deliver thousands of tons of cargo every day.”

The holiday weekend is also an important time to remind travelers of the near-approaching REAL ID deadline. Starting May 7, 2025, all travelers will be required to present a REAL ID compliant driver’s license or other acceptable form of identification to fly domestically within the U.S. To learn more about REAL ID, [click here](#).



FLIGHTDECK SOLUTIONS Boosts Canadian Flight Training and Aviation Research with Three Airliner Simulators



NEWMARKET, ONTARIO, CANADA – Flightdeck Solutions is proud to announce the successful delivery and installation of three high-level flight training devices at the newly inaugurated Aviation SIM Centre and Innovation Hub of the Waterloo Wellington Flight Centre (WWFC). The June 2024 grand opening of this 3,300-square-foot facility marks a significant milestone in aviation training, aimed at equipping future pilots with the tools and knowledge they need to excel in their careers.

“The simulators give a very close-to-realistic feel... they are tactically identical to an aircraft” - Tony Varga, WWFC Chair

The newly installed FDS-A320-FTD, FDS-B737MAX-FTD, and newcomer FDS-Q400-FTD will enrich the school’s training programs, including a revamped Multi-Crew Cooperation (MCC) curriculum. Equally important, these devices will facilitate research initiatives for the school’s strategic partner, the Waterloo Institute for Sustainable Aeronautics (WISA).

“With the new flight training devices installed, our aim is that students will be trained on the aircraft they will operate when they begin their careers at an airline,” stated Tony Varga, chairman of the WWFC board. This integration is expected to significantly shorten the ramp-up time for pilots transitioning to actual airline operations, thus addressing the current shortage of qualified pilots. Peter Cos, President of Flightdeck Solutions, expressed his enthusiasm for the project, stating, “Flightdeck Solutions has built a strong reputation as the premier provider of flight simulators for North American schools. Our partnership with WWFC highlights our dedication to advancing aviation education and training across Canada.”

The establishment of the Aviation SIM Centre and Innovation Hub was made possible through a collaborative investment. In October 2023, WWFC invested \$1.8 million for building construction, while equipment and research were supported by a \$9.2 million investment from the Canadian government through the Federal Economic Development Agency for Southern Ontario.








TRAINING THE NEXT GENERATION OF AVIATORS

California Aeronautical University (CAU) is primed to deliver well-prepared candidates to support the national commercial fleet. Courses are delivered in a year-round, fast-paced schedule that provides students a fast-track pathway to aviation careers.

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AOPA Foundation
 Helps Dreams
 Come True

Kim Stevens of the State Aviation Journal shared some amazing news in her recent article. The AOPA Foundation, the philanthropic arm of the Aircraft Owners and Pilots Association, continues its mission to make aviation more accessible by awarding flight training scholarships. According to Kim Stevens, the 2024 scholarships range from \$250 to \$14,000, helping to alleviate financial barriers for recipients as they pursue their aviation goals. Over 100 high school students and teachers received \$10,000 scholarships through the You Can Fly High School initiative, with additional funds provided for commercial, instrument flight training, maintenance, and more. Notably, the Richard McSpadden Scholarship for Advanced Pilot Training was awarded for the first time this year, honoring the former leader of the AOPA Air Safety Institute. Recipient Rachel Skirvin expressed gratitude for the timely support that allowed her to complete her CFI training. Applications for the 2025 scholarship program will open on September 9, continuing the AOPA Foundation's commitment to fostering the next generation of aviators.

Aviation is for everyone, but too often we see the financial burden of flight training and education as a barrier for entry into our industry," said AOPA President Mark Baker. "We are proud to support this passionate group and look forward to cheering them on as they meet their aviation goals."

American Airlines CR Smith Museum Inspires Next Generation of Aviators



On National Aviation Day, American Airlines honored the incredible achievements of the aviation industry and reflected on the boundless potential it holds for the future. In a field where innovation and exploration are fundamental processes, American is committed to building a diverse pipeline of future aviation professionals.

Empowering the next generation is crucial to the continued progress and advancement of modern flight. American supports several endeavors that offer hands-on instruction and interactive learning for young minds, including the American Airlines CR Smith Museum's award-winning Aviation STEM Summer Camp.

With a focus on STEM, the week-long summer camp provides a robust, in-depth curriculum and exposure to inspiring industry professionals. This summer, American Airlines sponsored 56 students from Clinton P. Russell Elementary School and Girls Inc. of Tarrant County for a fully-funded summer camp opportunity. Students were immersed in STEM concepts and aviation with the goal of helping them build confidence and recognize that career opportunities in these industries are within reach. By providing impactful educational programming to children of all backgrounds, American and the CR Smith Museum are broadening the reach of the aviation community.

"The camp provided our students with invaluable exposure to aviation. It was truly the experience of a lifetime, opening doors and kindling dreams that will shape their futures," said Chara Pace, Principal of Clinton P. Russell Elementary. "Our students returned with a clear vision of their potential future in the aviation industry by exploring careers ranging from aircraft mechanics and engineers to pilots and flight attendants."

American celebrates the past and continues to build a strong foundation for the future through the diverse talents of tomorrow's leaders and is proud to provide a framework that equips young aviators with the skills and confidence to reach new heights.

Reserve Advertising Space in the 2025 CAG & CASC



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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

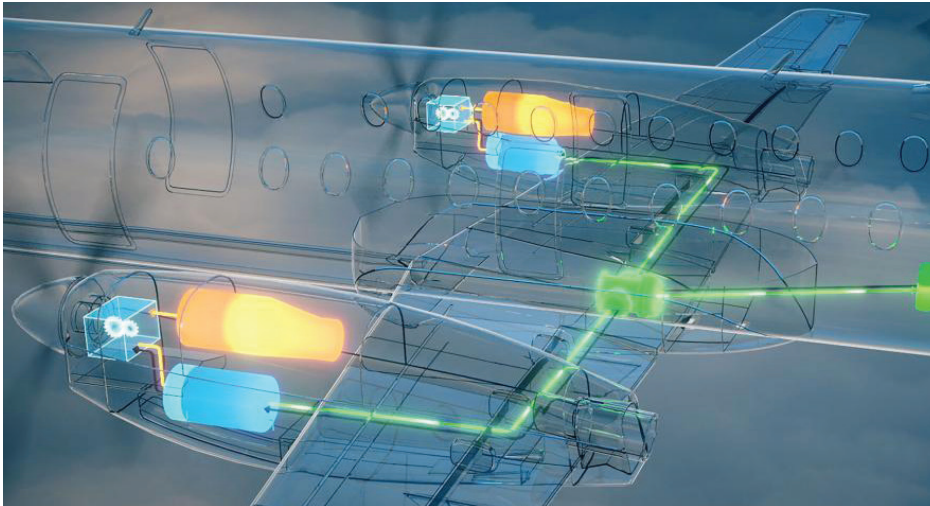
Collegiate Aviation Scholarship Catalog

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

Commitment deadline is Sept.9, AND the final print quality PDF is due Sept.30, 2024

Contact Jonathan Caudill to reserve your space. (901)563-0505 or jcaudill@uaa.aero

GE Aerospace and NASA Collaborate on Hybrid Electric Engine Development



Turbofan Engine Power Extraction Demonstration embeds motor/generators. Design doesn't require energy storage

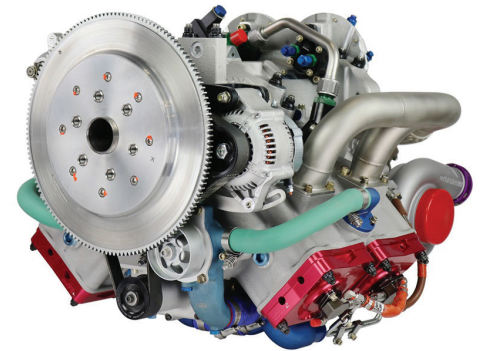
GE Aerospace, in collaboration with NASA, is advancing hybrid electric engine technology for commercial aviation. According to an article by GE Aerospace, the partnership focuses on embedding electric motor/generators into a high-bypass turbofan engine as part of NASA's Hybrid Thermally Efficient Core (HyTEC) project. This innovative approach aims to optimize engine performance without relying solely on batteries, potentially accelerating the adoption of hybrid electric systems in aviation.

"Our collaborations with industry partners like GE Aerospace are paving the way for U.S. leadership in hybrid electric commercial transport aircraft," said Anthony Nerone, HyTEC project manager, NASA's Glenn Research Center. "Single-aisle aircraft are the biggest contributors to aviation carbon emissions. That's why we're focusing on key technologies that will enable next-generation single-aisle aircraft with much greater efficiency and reduced emissions than the current fleet."

The project includes modifying GE's Passport engine, which is part of the broader CFM International Revolutionary Innovation for Sustainable Engines (RISE) program. This program targets a 20% improvement in fuel efficiency and a 20% reduction in CO2 emissions compared to the most efficient engines currently in service.

Early tests were conducted at GE facilities in Ohio, with NASA awarding GE Aerospace a Phase 2 contract to further develop these technologies. This work is part of GE's commitment to pioneering more sustainable and efficient aviation technologies. As Arjan Hegeman, GE's general manager of future flight technologies, explained, this collaboration is crucial for the next generation of propulsion systems.

Deltahawk to Power Vulcanair Fleet



In a collaborative announcement at EAA AirVenture Oshkosh in Wisconsin, DeltaHawk, manufacturer of the FAA-certified DHK jet-fueled piston engine based in Racine, Wisconsin, and Vulcanair Aircraft announced their intent to begin the FAA and European Union Aviation Safety Agency certification process for installing DeltaHawk's engine into Vulcanair's fleet—starting with the production of the single-engine light V1 aircraft, followed by the twin-engine P.68 and A-Viator platforms.

The companies cited lower maintenance and fuel costs, as well as improved altitude performance and the greater availability of jet fuel as benefits for potential customers, especially cost-conscious flight schools.

"Installation of the DHK engine in the V1 and [P.68] platforms will expand the market not only because of lower cost of operation but also because of fuel availability concerns," Michael E. McMann, vice president of sales and marketing at Ameravia, the U.S. distributor for Vulcanair, said. "DeltaHawk's highly innovative engine technology is already setting new standards for what a modern General Aviation engine should be, and we are excited about what this technology will bring to V1 performance and cost of operation."



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NSF Invites K-12 Students to Design Their Own Video Games

NSF GAME MAKER AWARDS for K-12

The U.S. National Science Foundation announces the (NSF) Game Maker Awards "Life in 2100" competition for K-12 students. To commemorate the agency's milestone 75th anniversary,

this competition invites students to create video games that imagine life 75 years from now - in the year 2100. The journey to "Life in 2100" begins now! Students have until 5 p.m. EST on January 31, 2025. More details are available online at the [NSF Game Maker Awards website](#).

"The NSF Game Maker Awards challenge young minds to unleash creativity and sharpen technical skills while exploring STEM concepts. By sparking their imagination and interest for STEM at an early age, we aim to nurture future innovators who will drive scientific and technological advancements" said NSF Director Sethuraman Panchanathan. "This initiative empowers the next generation through video game design, reflecting our commitment to making STEM education both engaging and accessible. We are thrilled to launch this competition during our 75th anniversary, marking a significant milestone in NSF's journey of innovation and discovery."

Students will compete to win up to \$7,500 in various prize categories, and their games will be featured in the NSF's 75th anniversary activities. An additional prize can go to mentors, teachers or parents/guardians who aid teams in application and game development.

The NSF Game Maker Awards for K-12 is a call to action for students across the nation to dive into the world of game design and STEM, to think critically and creatively about the future and contribute unique perspectives to the ongoing dialogue about our planet's trajectory. Through this challenge, the NSF hopes to nurture the next generation of scientists, engineers and game designers who will lead us into a bright and innovative future.

NSF will team with non-profits, industry partners and community organizations to create a robust support system that improves access to resources and promotes collaborative learning.

The competition encourages students to explore NSF-supported research areas, including sustainable ecosystems, futuristic cities and advanced medical technology.

NSF Game Maker Award winners will be invited to a special in-person event to showcase their games, connect with fellow innovators and meet industry leaders in gaming & STEM fields.



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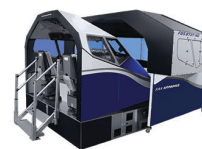


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Fairmont State Celebrates Fourth Class of AFJROTC Cadets



Fairmont State University’s Aviation Center of Excellence recently graduated its fourth class of United States Air Force Junior Reserve Officer Training Corps (AFJROTC) Flight Academy cadets.

For the fourth consecutive year, cadets achieved a 100 percent FAA pass rate for their private pilot certifications in the program. The 2024 class consisted of eight high school students and one college ROTC student from across the nation. These cadets were welcomed to campus in early June.

The AFJROTC is a Title 10 U.S. Code-mandated (hyphen) program focused on citizenship training for high school students. Its mission is to educate and train cadets in citizenship, promote community service, and instill personal responsibility, character, and self-discipline. The program combines classroom education in air and space fundamentals with hands-on learning opportunities through various fun and challenging co-curricular activities.

Fairmont State University’s AFJROTC Academy enhances its training by offering cadets flight training, enabling them to graduate with a Private Pilot Rating. This certification allows them to fly single-engine aircraft before they even finish high school.

“Today, the United States of America has nine newly minted pilots,” said Daniel Gomez, MSgt USAF (ret.), AU AFJROTC Flight Academy Headquarters. “We have taken seventeen-year-old high school students and, through programs like Fairmont State University, we have turned them into private pilots. This program is remarkable.”

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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 further 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 following:

- Aerospace engineering
- Aerospace physiology
- Aeronautical engineering
- Airworthiness engineering
- Electrical engineering
- Human factors
- Software engineering
- Systems engineering

To apply, you must be a U.S. citizen, have an undergraduate degree and be pursuing an M.A. or PhD degree in a related field as listed or be within a year of completion of the post-graduate degree. You must also meet position-specific qualifications.

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



www.faa.gov/nagf



Federal Aviation Administration

FAA Aviation Research Grants Program

- Department: Department of Education
- Deadline: 9/7/2027
- Link: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=328902>

Institute of Education Sciences (IES): National Center for Education Research (NCER): Statistical and Research Methodology

- Department: Department of Education
- Deadline: 9/12/2024
- Link: <https://www.grants.gov/search-results-detail/354449>
- Justification: Supports educational research methodologies, essential for advancing research capabilities within aviation education.

Transformative Research in the Education Sciences Grant Program

- Department: Department of Education
- Deadline: 9/12/2024
- Link: <https://grants.gov/search-results-detail/353905>
- Justification: Supports transformative research in education sciences, fostering innovation in aviation education strategies.

Center of Excellence for Alternative Jet Fuels and Environment

- Department: Department of Transportation
- Deadline: 9/30/2024
- <https://www.grants.gov/search-results-detail/243973>

Center of Excellence for Alternative Jet Fuels and Environment

- Department: Department of Transportation
- Deadline: 9/30/2024
- Link: <https://www.grants.gov/search-results-detail/24397>
- Justification: Supports research on alternative jet fuels and environmental impact, crucial for advancing sustainable aviation practices.

Spotlight on Humanities in Higher Education

- Department: National Endowment for the Humanities
- Deadline: 10/1/2024
- Link: <https://www.grants.gov/search-results-detail/350805>
- Justification: Encourages integration of humanities in higher education, enriching the cultural and ethical aspects of aviation education.

Advanced Technological Education

- Department: National Science Foundation (NSF)
- Deadline: 10/3/2024
- Link: <https://www.grants.gov/search-results-detail/355100>
- Justification: This grant aims to improve the education of technicians for the high-technology fields that drive our nation's economy, including aviation.

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.

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Fran Sargent Scholarship

Scholarship Sponsor
 Ninety-Nines, Florida Goldcoast Chapter

Contact
www.flgoldcoast99s.org

Usual Deadline
 September

Amount(s) Awarded
 Two (2) scholarships awarded, valued at \$3,000 each

Description
 We are offering two \$3,000 scholarships open to any woman with at least a Private Pilot certificate, who is a resident of Florida or currently enrolled in an aviation training program in Florida.

Scholarship Criteria
 Applicants must have an Instrument Rating and able to attend the ground school and SIM training.

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.

WHAT MORE



FOR ADDITIONAL COLLEGIATE AVIATION SCHOLARSHIPS

Apply to the

AIM HIGH FLIGHT ACADEMY

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WHAT IS IT?

The Aim High Flight Academy (AHFA) is an aviation scholarship for a three-week introductory flight program at various universities across the world. The program is designed to inspire young adults to explore aviation. Students receive one-on-one training from Air Force and Certified Flight Instructors in a classroom and in the sky.

- 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.recruiting.af.mil/Aim-High-Flight-Academy/>

Or scan the QR Code



Applications are open to high school students that:

- Are 16 by June 1st 2025
- Graduate in 2025 or 2026



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.
- Develop and foster relationships between the aviation industry and the FAA Air Traffic Organization.
- Provide support to member airlines by exploring ways to increase safety and efficiency while reducing costs.
- Provide analyses of daily NAS operations for A4A leadership.

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 non-confrontational manner.
- Must work with absolute integrity and a sense of fair play to represent a diverse A4A membership.
- Must be available for various shifts, including evenings, weekends, holidays and on-call.
- Must be available for occasional travel, including travel to A4A headquarters as directed.
- 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, a tuition reimbursement plan and 12 weeks of fully paid parental leave.

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.

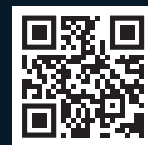




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Martin Rottler

Delta Air Lines

Megan Sollender

Republic Airways

Douglas Williams, PhD

Community College of Baltimore County

VISIT UAA

ACTIVITIES & EVENTS OF NOTE

Latino Pilots Association Latin Aerospace Industry Expo

September 12-13, 2024 Orlando, FL

AOPA Foundation High School Aviation STEM Symposium

November 17-19, 2024 Atlanta, GA

UAA Collegiate Aviation Education Conference & Expo

September 25-27, 2024 Memphis, TN

2025 UAA Aviation Policy Seminar

Experience Aviation Policy Up Close at the 2025 UAA Aviation Policy Seminar

Join us in Washington, D.C., for an exclusive opportunity to connect with industry leaders and policymakers. The University Aviation Association invites students and faculty to participate in the 2025 Aviation Policy Seminar.



Key Benefits:

- **Networking:** Meet with top officials from the NTSB, FAA, Congress, and industry associations like NBAA, RAA, and A4A.
- **Learning:** Gain valuable insights into aviation policy, industry trends, & career opportunities
- **Engagement:** Participate in informative briefings and seminars.

Who Should Attend:

- Junior, senior, and graduate students.
- Faculty with a background in aviation management

Date: January 6-8, 2025

Location: Hilton Washington DC National Mall The Wharf

Information Link: https://www.uaa.aero/2025_uaa_aviation_policy_semin.php



For questions contact (901) 563-0505 or address your questions to hello@uaa.aero
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