Thanksgiving Greetings 2020!

Wishing you quieter days, time to relax, take a walk, connect with others, and find meaningful ways to be thankful.
END OF THE YEAR AWARDS!!

College of Aviation proudly received the trifecta of awards for Fall 2020. We have amazing students AND faculty!

Scott Ritchie was awarded the "Distinguished Faculty Award" for Fall 2020, for the Prescott Campus!

Paige Swenson, COA Meteorology, received the “Chancellor's Award” from Dr. Anette Karlsson (see Paige's Bio on the following page for “Outstanding Graduate”)

Martin Kurkehubasche, COA Aeronautical Science, received the “Ed King Community Service Award” from Dr. Rhondie Voorhees (see Bio on following page)
OUTSTANDING GRADUATES! TIM HOLT

Aeronautical Science

Mazen Mosleh Ahmed Alghamdi - Rotary Wing
Mazen is the College of Aviation’s Fall 2020, Aeronautical Science – Rotary Wing Outstanding Graduate. His stellar GPA and dedication to becoming a professional helicopter pilot put him well out in front of his peers. Besides his academic excellence, he became proficient in English and acclimated to cultural differences while being far from his native Saudi Arabia and the support system of his close friends and family. Upon graduation from Embry-Riddle, he will return to Saudi Arabia and perform Search and Rescue and Medevac operations in the Airbus Helicopter H145. Mazen is the first of his cohort to graduate setting the highest standards for his countrymen to follow. Mazen is an outstanding example of the ERAU quality education and training that has a worldwide impact.

Yu Fei “Alex” Li - Aeronautics
Yu Fei “Alex” Li is an outstanding graduate for many different reasons. On a personal level, he is polite, respectful, generous, and thoughtful. In class, he asks insightful questions, offers knowledgeable answers, adds depth and richness when working with his peers, and seeks to excel academically. As an active and contributing part of his community, Alex completed an internship at Falcon Field Airport in Mesa, Arizona and served as a financial services consultant in Singapore. Regarding leadership, Alex is the Vice President of the Phi Kappa Phi Honor Society, the Chair of Communications for the International Student Association, an International Student Ambassador for both the Prescott and Singapore campuses of Embry Riddle, and the co-lead for the honors program service project. Alex continues to make a positive contribution to the campus as a tutor in the Chinese program, a virtual tutor in the Phi Kappa Phi service project, and as an organizing member for the international student orientation. Since arriving at Embry Riddle, Alex has excelled academically, socially, and as a leader among his peers.

Koby Yoshimi – Aeronautical Science, Fixed Wing
Koby has been far more than just an exemplary student during his time at Embry-Riddle Aeronautical University in Prescott, Arizona. He has been a strong force for positivity, inclusivity, and community outreach throughout his student career. Koby has excelled at both academic and student life, keeping a busy schedule as lead student in the STEM Outreach office, lead student orientation leader, OctoberWest Airshow director, Campus Academic Mentor (CAM) and Peer Counselor for the College of Aviation. His highest academic achievements include Dean’s List and Honor Roll every semester, ultimately leading to his nomination for induction into the Honors Society of Phi Kappa Phi. He has coordinated so many K-12 STEM outreach visits, there is hardly a child in the Prescott school district who has not met him and enjoyed his educational tours of campus, including the planetarium shows. Koby has long been the positive, uplifting “face” of ERAU Prescott for our community, helping to forge and develop new partnerships and programs that have greatly enhanced the University’s presence. He is an inspiration to all who know him. He will be sorely missed upon his graduation, but fortunately, his next goal is to stay on at the ERAU flight department as a Certified Flight Instructor (CFI), building his flight experience by teaching. His near-term career plan is to become a SkyWest Airlines pilot, and his long-term goal is to return to sunny Hawaii as a pilot on the Boeing 717.

ED KING SERVICE AWARD! MICHELLE HIGHT

Martin Kurckchubasche - Aeronautical Science, Fixed Wing
Martin, a graduating senior Aeronautical Science major, is originally from San Jose, California. His claim to fame is that he’s flown every single C-172 model from 1965 on! He’s held so many jobs at ERAU, (most of them simultaneously) that it might be easy to lose count: Lab Instructor, Peer Counselor, Flight Department Lead Student Advisor, Lead Researcher helping to both design and teach AS 195J, “Virtual Private Pilot Operations”... College of Aviation Virtual Reality (VR) Lab Instructor, Flight Line Lead Student Advisor, Summer Programs Housing Advisor, Campus Academic Mentor (CAM), and Flight Dispatcher and Flight Supervisor. In addition to all the jobs and responsibilities he’s held, Martin has found the time to play an active role in professional organizations and campus clubs, including AOPA, EAA, NGPA, and ALPA Ace. He recently won two very well-deserved accolades, earning the ERAU Prescott campus’s flagship Flight Department Chairman’s Award and the Ed King Community Service Award. Martin has represented ERAU Prescott with pride and poise, and an undeniable passion! His influence on the future of this university will span well beyond his graduation, as he plans to not only become a Certified Flight Instructor for ERAU, but also continue to expand his research endeavors Martin’s accomplishments as an undergraduate student are pride worthy and well worth celebrating, as he launches into a very promising career.
OUTSTANDING GRADUATES! TIM HOLT

Applied Aviation Sciences

Paige Swenson – Applied Meteorology - ALSO RECIPIENT OF THE CHANCELLOR’S AWARD!
Paige is an outstanding scholar and researcher. In addition to achieving high grades in coursework, she has written several research proposals and obtained funding as an undergraduate research assistant through the NASA Space Grant, where she documented the 2010 Arizona Tornado Outbreak. She is a highly motivated researcher who learned to use complex software to precisely map the tracks of the tornadoes. Her research results were presented at university poster sessions and at the NASA Space Grant Symposium for two consecutive years. She further pursued her passion for severe weather through an internship this past summer at the National Weather Service in Indianapolis, IN. In addition to academics and research, Paige is very involved in extracurricular activities and as a student employee. She is a tutor for grade school students at a local church. She served as the President of the campus Weather Club and was employed as a meteorology lab assistant, meteorology tutor, and as a resident assistant. As a result of all her accomplishments, she was awarded the 2020 Women of Excellence Award as the outstanding female student in the College of Aviation. After graduation, Paige will be working as a meteorologist for the Arizona Department of Environmental Quality in the Phoenix area.

Ethan Alan Hedrick – Unmanned Aircraft Systems
We in the Unmanned Aircrafts Systems degree program are proud to have Ethan Hedrick as our Outstanding Graduate. As with all of our Outstanding Graduates, Ethan has shown to be just as valuable outside the classroom as inside. We have seen Ethan go out of his way to help others and lead by example. Ethan has a quiet professionalism that allows for clear thinking and innovation. Ethan displayed great initiative while attending ERAU Prescott and pursued internships that included many miles of driving. We are proud to have Ethan enter the UAS industry representing Embry Riddle. We know that any employer would be pleased in having Ethan join their team! Congratulations, Ethan!

Alexa Pacheco Olguin - Air Traffic Management
Being born and raised in Durango, Mexico Alexa Pacheco Olguin knew she wanted to take her education to new heights. Being involved in various organizations such as taekwondo, basketball, and gymnastics, Alexa grew up being a team leader. Alexa is majoring in Air Traffic Management with minors in Aviation Business Administration, Aviation Safety, and Spanish. Alexa excels in all of her endeavors, and is expecting to graduate with high honors. Being trilingual, Alexa learned Spanish as her first language, quickly picking up English and Portuguese along the journey to college. Alexa completed a combined organizational event, co-hosted by Prescott Arizona Chamber of Commerce, in offering individuals the opportunity to enroll in a training workshop on planning and leading a business. Finally, Alexa has excelled in the her undergraduate coursework and air traffic studies, and plans to continue on to graduate school with Embry-Riddle in Aeronautics.

Safety Sciences

Michael Knott - Master's Safety Sciences
Michael Knott lives in Hollywood, Maryland where he has worked as an engineer for the U.S. Navy since 2008. He is an Air Force veteran. After supporting Operation Iraqi Freedom in 2007, he graduated from the University of Maryland, College Park in 2008 with a B.S. in Aerospace Engineering. In his 12 years of work experience, he has become a subject matter expert on crashworthy seating systems, restraints, and aviation mishap survivability. He shares a U.S. patent on the Reusable Energy Absorbing Lab (REAL) seat and is an infield team lead for the Mishap Investigation Support Team (MIST) where he has supported over 20 class A mishap investigations. He is a member of Phi Kappa Phi and the International Society of Air Safety Investigators (ISASI). After graduation, Mike will return to Southern Maryland and resume his career working for the Navy.
New Recognition Awards! TIM HOLT, Dean

CoA is kicking off a new recognition awards program for “Staff Person” and “Instructor Pilot” of the Quarter and Year.

With an abundance of amazing staff and instructor pilots in CoA, it’s time to show appreciation for those that go above and beyond, in sometimes unseen ways.

A call for nominations will be sent out on January 1, April 1, July 1, and October 1. Nominations will be compiled and reviewed by the Dean and the Dept. Chairs for “CoA Staff Person of the Quarter,” and the Chief Flight Instructor and Training Managers for “CoA Instructor Pilot of the Quarter.” The announcement will then be made by the end of that month. The recipient of the award will receive an awards certificate and a gift voucher.

All the nominations collected each quarter will be compiled at the end of July and from those nominations, the “CoA Staff Person of the Year” and “CoA Instructor Pilot of the Year” will be determined and announced at the “CoA Welcome Back Retreat” in August. Those recipients will receive a plaque and a gift.

Here are your recipients for October! Congratulations to Elisabeth Haugan and William Poppler!
MET NEWS JENNAH PERRY

A manuscript describing the results of DR. Curtis James sabbatical research last fall has recently been accepted for publication and submitted in final form to the Journal of Atmospheric and Oceanic Technology. The title of the article is “R2D2 - A Region-based Recursive Doppler Dealiasing Algorithm for Operational Weather Radar.” R2D2 is a new software algorithm written in collaboration with scientists at MeteoSwiss and EPFL in Lausanne, Switzerland. The technique automatically removes noise and corrects large ambiguities in Doppler radar data. The figures below show an example of Doppler wind data containing severe rotation before (left) and after applying this technique (right). Statistical tests of its performance show that it is very robust and efficient enough for operational use. For all test cases, an average of 99.8% or more of the radar gates (pixels) were corrected properly by the algorithm during complex severe thunderstorm events. By correcting the Doppler winds adequately, rotation detection algorithms can then be applied to alert weather forecasters to the presence of rotating thunderstorms capable of producing large hail and tornadoes.

ALL IN GOOD FUN CURTIS JAMES

STUDENTS’ TOP TEN REASONS TO WEAR A FACE MASK
10. You won’t smell your neighbor.
9. No worries about bad breath.
8. What’s a toothbrush?
7. No makeup, plucking or shaving needed.
6. Kiss a little longer.
5. Improve your poker face.
4. Cover up the acne caused by the mask.
3. No need to cover your mouth when you cough, sneeze, or belch.
2. Get away with the crime of your choice.
1. **Remember what you ate yesterday.**
The Aviation Safety and Security Archives has received a donation of John Paul Stapp papers to be reunited with our existing Stapp collection. Stapp is best known for his pioneering rocket sled tests which studied human tolerance to acceleration and deceleration forces and led to improvements in safety equipment for aircraft and automobiles. In 1955, *Time* magazine named him "the fastest man on earth" after he set the land-speed record of 632 mph on the rocket sled while serving as one of his own test subjects.

In addition to documenting his career with the U.S. Air Force and the Highway Safety Transportation Bureau, the papers include records of his work with professional organizations, the establishment of the annual Stapp Car Crash Conference (which continues to this day), and his numerous speaking engagements, as well as personal and biographical memorabilia such as Stapp's unpublished personal memoir. The newly acquired material joins a previously-received collection of Stapp's papers which is primarily concerned with technical records of his research—including the rocket sled tests—at Muroc (now Edwards) and Holloman Air Force Bases.

The addition to the Stapp papers was received from Craig Ryan, author of *Sonic Wind: The Story of John Paul Stapp and How a Renegade Doctor Became the Fastest Man on Earth*. As the caretaker of this valuable trove of historic materials, Ryan was concerned to ensure their continued safekeeping and identified Embry-Riddle as an ideal permanent home for the collection. "I'm sure Dr. Stapp would be very happy to know that so much of what he left behind is in good hands and will be available to scholars and researchers for a long time," Ryan said upon transferring the material to the Archives.

The Aviation Safety and Security Archives is located in RASC II (Building 22). For more information, visit archives.pr.erau.edu or contact Melissa Gottwald (gottwalm@erau.edu; 928-777-3907).
Current Students who have received tentative offer letters for employment with the FAA as Air Traffic Controllers
Hailee Hobbs; Kyle Bitner; Eric Jang; Brandon Erickson; Mitchell Kisner; William Scully; Mitchell Fisher; Eli Kanally

Recent Graduates who are working with the FAA as Air Traffic Controllers:
JJ Gomez; Jordan Shimabukuro; Paige (Giles) Dixon; Peter Swanson; Ben Cook; Allison Cook; Alex Elden; Ali Erickson; Thomas Mathieu
Every semester the Unmanned Aircraft Systems degree program partners with Hood Tech Aero. Hood Tech Aero provides state-of-the-art camera technology to our students. Students are trained on the software interface, turret functionality and intelligence surveillance and reconnaissance (ISR) during a two-week module in the AS473 class. During Hood Tech Aero’s visit, they provide a manned aircraft (surrogate UAS) that holds the camera and orbits around the Prescott area. UAS students then have the ability to direct the aircraft and control the camera via data link. Students are required to execute various scenarios while providing overwatch utilizing the Hood Tech turret and camera.

This training is something that can only be found at the ERAU Prescott campus. Students in the UAS program have reported extreme interest from a number of employers because of this experience. The Hood Tech Aero team will be on campus this semester during the first week of October. If you would like to get a quick look at the technology our UAS students are utilizing please contact Professor Young youngj42@erau.edu.
OPEN POSITIONS FOR CAMPUS ACADEMIC MENTORS!

Interested in becoming a Campus Academic Mentor (CAM)?

This is a paid position that involves co-teaching the UNIV 101 course to new students in your major.

The application deadline is Friday, **December 4, 2020**.

**Please use this URL to apply:** [https://tinyurl.com/y4q264ri](https://tinyurl.com/y4q264ri)

Principle Duties and Responsibilities of the CAM:
- Attend and participate in scheduled training sessions, which take place prior to Spring Preview Day, prior to fall semester New Student Orientation, and on-going, monthly meetings as needed.
- Participate in New Student Orientation, providing presentations about the College, addressing students’ and parents’ questions and concerns, building and fostering relationships, conveying understanding of the transition process, and familiarizing students with campus resources.
- During Spring Preview Day, CAMs’ roles are similar to those described for New Student Orientation, plus the added responsibility of assisting students with degree requirements and the registration process.
- Help plan and facilitate the small group UNIV101 classes which are held twice a week (1 hour per class). Two CAMs and one professor teach each section of the course. In some cases, only one CAM teaches a section. CAMs work with the Program Coordinator and the professor to present the course curriculum, keep students engaged, provide an experienced student’s views on what it takes to be successful, and help students achieve the course learning outcomes.
- Maintain regular contact with the students in their UNIV101 class.
- Contact UNIV students at the beginning of the second semester, to remind them they are available as a resource, if needed.
- If available, serve on committees related to the CAM activities, such as hiring, training, and events.
- Assist with course registration.
- Promote the CAM program and help advertise CAM positions to students.
- Submit timesheets as directed.

Ideal Candidates will display:
- Good Academic Standing and a CGPA of at least 3.0
- A general awareness of campus resources and engagement opportunities within the university
- Genuine concern for and willingness to help students transitioning to college life
- Empathy, friendliness, appreciation for diversity, and a willingness to serve as a role model
- Willingness to collaborate and work professionally with other CAMs, Program Coordinator, and professor of UNIV101.
- The ability to learn how to help students with study skills, academic planning, and the registration process

Please note that in order to apply you must have an Embry-Riddle CGPA of 3.0 or higher and be a full-time student. Senior candidates must be able to serve as a Campus Academic Mentor for at least one fall semester.