

CGAR QUARTERLY 2010



WWW.CGAR.ORG



Highlighted Researcher: Gregory Walker (UAF)



Gregory W. Walker graduated from the University of Wisconsin, in 1986 with a B.S.M.E., and from Stanford University in 1988 with an M.S.M.E and M.S.A.A. His past research has involved the development of low-cost guidance, navigation, and control systems for unmanned aircraft. His research lead to a successful

career initially as an Army officer ('86-'95), assigned to the NASA Langley Research Center ('90-'95), and finally launching a technology development business ('95-'98). While at NASA Mr. Walker held positions as Systems Design Engineer, Program Manager and Principal Investigator. He lead the development, including design and construction of the control systems for 58 unmanned aircraft of seven different configurations ranging in size from a micro air vehicle with a 6 inch wingspan to a full scale unmanned UH-1H helicopter target. After selling his business in 1998 Mr. Walker went north and accepted an assignment with the Geophysical Institute at the University of Alaska. In this position he is supervising University staff supporting (1) NASA's sub orbital program (2) satellite ground station operations, and (3) leading the University of Alaska unmanned aircraft applications program, in addition to a myriad of research partnerships with the international community.

Volume 6, Issue 3
Fall 2010

Inside the Issue

Researcher Highlight	1
Activities Recap Summer Tradeshows	2
Upcoming Events ATCA	3
End of Fiscal Reminders	4

Editor: Mike Edwards
Associate Editor: Anne-Claire Blondeau

The Summer Activities



EAA Airventure, this year, overcame the rain and soared to a big finish, completing the week with a total attendance of 535,000 people and more than 10,000 airplanes. The attendance figure was seven below 2009's record-setting levels. However, Airventure remains the World's Greatest Aviation Celebration, with programs and activities that cannot be found anywhere else.

The rain, for the first part of the week, slowed the preparations and contributed to difficult camping conditions as well as less parking spaces for airplanes and visitors. Yet, a total of 36,000 campers were registered throughout the events. The other half of the week, though, was outstanding, featuring activities such as the Saturday night air show. The success of the inaugural night air show solidified EAA Airventure's officials to do it again next year.

EAA Airventure 2010 gathered a total of 2,380 showplanes: 1,106 home-built, 635 vintage, 374 warbirds, 115 ultralights, 120 seaplanes and 30 rotorcrafts. The grounds welcomed 777 commercial exhibitors, up from 750 last year.



EAA officials have already started to think about 2011's Airventure, making plans and looking into bringing new activities to Oshkosh. Among the activities, officials are looking into building off this year's successful Electric Aircraft Symposium as the technology continues to evolve and commercial application move ever closer.

Another thought is to bring a Space Shuttle to Oshkosh. However, the current concern is whether Runway 18/36 is capable of handling a 747 with a Shuttle... On a similar note, the Commemorative Air Force has already confirmed bringing the world's only flying B-29, FIFI, in 2011 as part of its Red, White and Loud tour. Another strong possibility is to have Boeing's new 787 airliner.

The array of options remain great for EAA Airventure 2011 and one can only look forward to the next Oshkosh gathering. EAA Airventure 2011 will take place July 25-31.



A blue banner for the Air Traffic Control Association (ATCA). On the left is the ATCA logo, which features a circular emblem with 'A', 'T', 'C', 'A' and 'N', 'W', 'E', 'S' around it, topped with wings. To the right of the logo, the text 'ATCA' is written in large, bold, black letters, with 'Air Traffic Control Association' in smaller text below it. At the bottom right of the banner, the tagline 'Dedicated to Progress in the Science of Air Traffic Control Since 1956' is written in a small, white font.

**Gaylord National Harbor
National Harbor, Maryland
October 24 – 27, 2010**

Join us at booth 133!

End of Fiscal Year Reminders

- **End of Year Report**

This year, we are going to be busy to get out the annual report for the Fiscal 2010 year by close of business in December. For this, we ask that all of our researchers submit their reports by the deadlines.

- **Award Nominations**

As the year comes to an end, it is also time to think of those who deserve special recognition. The COE's Student and Faculty of the year nominees are just around the corner.

The FAA has issued a call for its 2010 Excellence in Aviation Research Award. Through this award, the FAA acknowledges the valuable contributions of its **external research partners** and formally recognizes significant aviation research accomplishments. Conferring this special distinction allows the government to recognize superior research efforts and bring their benefits to public attention. **Nominations are due by September 30, 2010.** For additional information, please see the attachments below and/or contact Pam Crenshaw at pam.crenshaw@faa.gov.

TO GET INVOLVED CONTACT

Mike Edwards
Business Development Manager

Anne-Claire Blondeau
Communications & Planning
(386) 226-4957
dbcgar@erau.edu

or

Steve Hampton
CGAR Executive Director
(386) 226-6725
hamptona@my.erau.edu



New Team Member

This Fall semester, CGAR is welcoming a new Graduate Research Assistant. Anne-Claire Blondeau is completing for her Master of Science in Aeronautics with specializations in Airport Management and Safety. After graduation, Anne-Claire will pursue a career in Air Traffic Control and/or Safety.

Originally from France, Anne-Claire received her Bachelor of Science in Aeronautics with minors in Air Traffic Control, Safety and Human Factors from the Embry-Riddle's Daytona Beach Campus.

We would like to extend our welcome to Anne-Claire as part of the CGAR Team.



Member Universities

