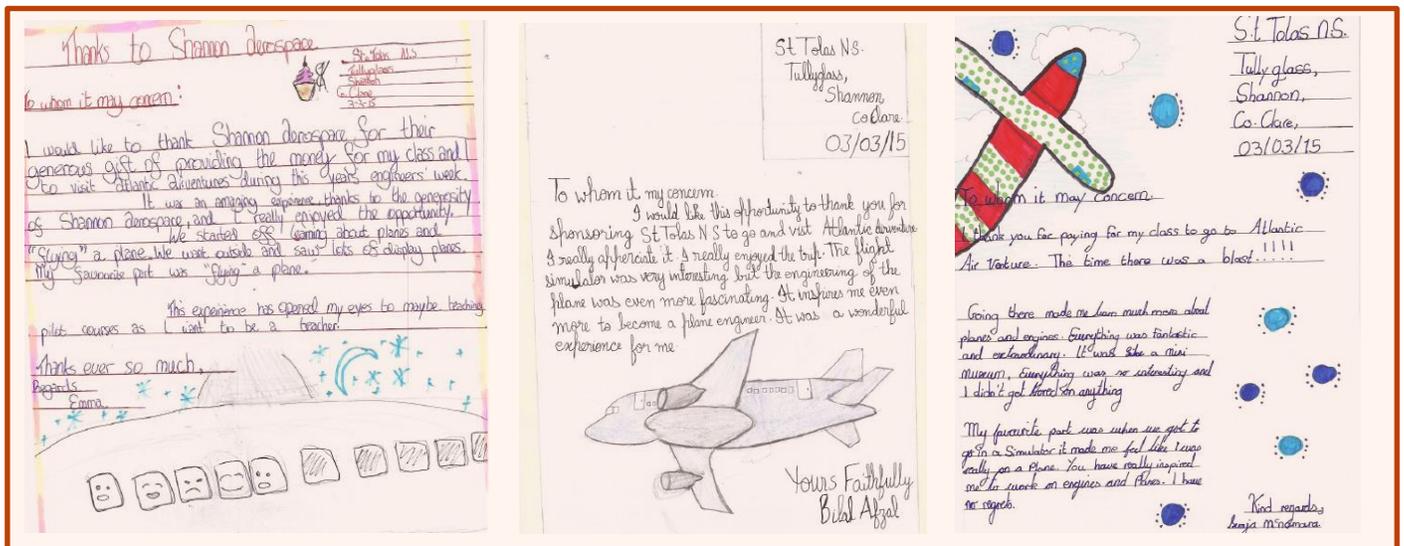


- Atlantic Air Adventure Shannon, Ireland
- Career Day at Washington's Bothell High School
- New Textbook for NGAP
- Think Global Flight – Air Race
- University of Limerick
- China Aviation Training Forum
- Rwanda AVIADEV Conference
- Pathways to Success - A Note from the Outreach Chair

The Younger Generation gets a taste of aviation!

NGAP Outreach News August 2016

Thank you letters from ST Tola's School Shannon for a visit to Aerospace Discovery Centre for RAeS Cool Aeronautics Events and Engineers Week sponsored by Lufthansa Technik Shannon (2013 - 2016)



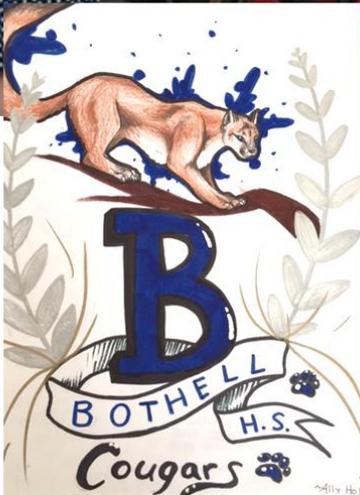


Ireland's Aerospace Discovery Centre collaborates with ICAO NGAP Programme to inspire the Next Generation of Aviation Professionals!

Located on the Atlantic coast of Ireland, Shannon is known as the 'Gateway to the West' for its role in the development of transatlantic flight. The Aerospace Discovery Centre was established in 2007 with the aim of opening a 'Gateway to Aviation' for Ireland's young people. The core focus of Aerospace Discovery Centre is to promote aviation as a career choice to young people, to inspire and spark an interest in aviation.

Over eight years, the centre has designed its own range of aviation based STEM lesson plans, working with primary science and maths curriculum objectives through Science Foundation Ireland as a Discover Centre. To date, over 18 500 young people have visited the facility for a three-hour discovery of flight and engineering. Students meet real role models and hear first-hand about their careers, get to have a simulated flying lesson, sit into a real aircraft on display and much more. The centre promotes all sectors of the industry and has a dedicated volunteer team of engineers, pilots, air traffic controllers and industry professionals who have a passion for aviation and a desire to give back to the community.

Career Day for Seniors at Washington State's Bothell High School



Thank you so much for giving me information about Boeing careers for Mechance and Engineering, and really enjoyed your amazing stories about your life as a flight attendant and travelling! I will be waiting on all info about Boeing opportunities! :)
- Archie Catandig

Your presentation was awesome! I want to become an engineer and I now will consider becoming an aviation engineer! Thank you!
- Ryeder Smith

Thank you for coming in and telling us how interesting aviation is. You opened my eyes to a new career opportunity. Thanks, Kenzie S.

Sherry Saehlenou, member of the NGAP Outreach Committee, shared her passion for aviation with a group of graduating high school seniors (five classes of seniors) in the State of Washington, United States, about careers in aviation. Many of the students had not ever travelled outside their own state of Washington but they had big dreams! Learning about STEM curriculum and the many ways their passions could fit into each of the STEM categories opened their eyes to new possibilities in this exciting field. Many students left with a desire to further explore aviation-related careers. One striking example was a young woman who wants to study forensics. She was able to relate that to accident investigation at crash sites. It was so successful that next year's presentation has already been scheduled! The students compiled a book of all their thank you notes, some of which are pictured here.



New textbook launched with the support of the NGAP Outreach Group

A new initiative launched through the NGAP Outreach Group is an upcoming textbook titled 'International Aviation: An Introduction for the Next Generation of Aviation Professionals'. The focus of this book is to clearly summarize and explain the various elements of the aviation industry in a single cohesive book that will be used by educators, students, or professionals transitioning into aviation.



Dr. Suzanne Kearns

Dr. Suzanne Kearns, of the University of Waterloo in Canada, will author the book. Dr. Kearns has recently received a publishing contract from a major UK-based academic textbook publisher for the project. The NGAP Outreach Group will support the project by offering interviews, examples, or cases that will enrich the book with knowledge from their professions and geographic areas. It is expected this work will be ongoing through the Fall of 2017 and published in the Spring of 2018.

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Think Global Flight Organization and NGAP collaborate to promote STE(A)M!



Captain Judy Rice



'Angel City Flyers' 'Powerful Women Team'

Long Beach, California, United States, Angle City Flyers, Handicap International, and the ICAO Next Generation of Aviation Professionals (NGAP) group have teamed with Florida Institute of Technology, Western Michigan University, and other colleges for the 2017 Women's Air Race Classic competition.

This effort will be led by Captain Judy Rice, Think Global Flight founder. Captain Rice successfully completed a two-month around the world flight of adventure: educating and inspiring more than 20,000 students. Rice's 2017 Air Race theme, Women of Diversity, involves an all-female college crew, including co-pilot Chesapeake Gusin. Captain Rice will be piloting the Diamond DA40XL donated by Angel City Flyers.



WELCOME TO THE USA'S ONLY WOMEN'S AIR RACE!

EDUCATING CURRENT AND FUTURE WOMEN PILOTS

Female pilots from all over (US and abroad) will compete in a daytime Visual Flight Rules (VFR) race that must be completed in four days. The race route consists of 8-9 airport flybys, which adds up to approximately 2,400 statute miles. Co-pilot Chesapeake will use all of the knowledge and skills that she has acquired in the classroom and at the flight line in this historic air race. She'll also get a chance to meet some wonderful pilots and make lifelong friends." In addition, a special learning feature will be providing real-world application to science, technology, engineering, arts, and mathematics (STEAM) experiences through interactive online quizzes relative to Captain Judy's aircraft and flight.

Think Global Flight meets the needs of the teachers and educators through a flexible programme with no fee or time requirement for participation. Think Global Flight is comprised of all volunteers, including the flight crew. All tax-deductible donations go toward education or flight support.

To learn more visit: <http://www.thinkglobalflight.org> or www.CaptainJudy.com

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NGAP Presents at Royal Aeronautical Society Conference - Contemporary Challenges in Continuing Airworthiness and Maintenance Education and Training- Mapping the Way Forward



The Airworthiness and Maintenance Group will be holding a one-day conference at the University of Limerick, Ireland, on 7th September 2016.

This conference aims to provide a platform for industry stakeholders, regulators, professional training organisations and educational institutions to review the growing technical skill requirements of the Continuing Airworthiness and Maintenance industry, and identify how best to meet these requirements through education and training.

We are happy to say that two NGAP Outreach representatives have been invited to speak at the conference, Professor Lori Brown, Chair of the NGAP Outreach group and Mr. Ilias Lappas. This participation highlights the growing impact of the NGAP Programme at a global level.

Further details on the event can be found on the Society's website:

<http://aerosociety.com/Events/Event-List/2473/Contemporary-Challenges-in-Continuing-Airworthiness-and-Maintenance-Education-and-Training>



China Aviation Training Forum 2016 - Next Generation Pilot Training Blueprint in China

ICAO NGAP Outreach will present in China to support CATF

In recent years, the China civil aviation training industry has come up with unprecedented challenges and opportunities as one of the results of the country's '13th Five-Year Plan' and the 'One Belt One Road' strategy. According to a guideline issued by the State Council, by 2020 China will have more than 500 general aviation airports and created a market worth more than 153.8 billion USD. Boeing's 2016 Pilot and Technician Outlook showed that over the next 20 years the Asia-Pacific region will lead the worldwide growth in demand for pilots, with a requirement for 248,000 new pilots (2016-2035). China leads the Asia-Pacific region for pilot demand over the next two decades, and the market in China is increasingly seeking to recruit, train, and develop locally sourced pilots.

Based on this situation, China Aviation Training Forum 2016 (CATF2016) focusing on next generation pilot training will be held on 18 to 19 October 2016, in Beijing, officially hosted by the Aviation Service Education and Training Committee of China Adult Education Association (CAEA), which belongs to the Ministry of Education of the Peoples' Republic of China (PRC). The CAEA utilizes the school-enterprise cooperation model to stably transport cadets to airlines and general aviation companies in aviation professional training.



CATF 2016 invites you to join us together with global and domestic pilot training schools and academies, airlines, aviation flight universities and general aviation companies to exchange ideas to promote the development of China aviation training industry. “We are pleased to announce this collaboration and welcome industry peers to join in this event, which will be held on 18 and 19 October 2016 in Beijing to exchange ideas to promote development of the China aviation training industry and to meet the challenges of attracting and retaining the next generation of aviation professionals”. For more details please contact Grace ZHANG at hk@caea.org.cn

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Fadimatou Noutchemo Simo (Fadi), founder of YAAPA (Young African Aviation Professional Association), has the support of Bench Events in engaging and inspiring the next generation of aviation professionals. Fadi said, “An event such as AviaDev is pivotal to the future of aviation in Africa as it is all about creating new routes, more jobs and prosperity across the continent and beyond. We are sure it will inspire the next generation to join this progressive industry.” YAAPA will participate in the conference in Kigali, Rwanda, from 4 to 6 October 2016. For more information visit: <http://www.africa-conference.com/rwanda-aviation> or www.yaapa54.org



A Note from the Outreach Chair ... *“USA Regional airlines and training providers are making unprecedented investments in the next generation of professional pilots -A reminder of why our outreach is so important”.*

In the United States we are seeing new pathway programs, aggressive recruitment efforts and more and more signing bonuses up to \$86,000 for regional airline pilots, with paid training, signing bonuses and type ratings offered for certified flight instructors. According the Regional Airline Association (2016), “Pathways programs (like ACE R-ATP) are being proposed to restore airlines’ ability to recruit and retain the most proficient pilot candidates”. Such U.S. programmes seek to increase the accessibility of aviation as a career. Like all of the other University programs and flight training providers in the United States - Western Michigan University is critically low on flight instructors as they are leaving for the airlines in large numbers. This bottle neck is at a critical level causing airlines to park airplanes, as well as cancel and reduce regional airline flights.

New pilot pathways are intended to restore access to highly skilled aviators, offering an enhanced pathway to the commercial airline flight deck, through a structured combination of flight time, mentoring, and specific competencies. Pathways such as this are needed to allow airlines to hire the most proficient pilots. *“These programs and hiring bonuses come at a time when the current pilot shortage has led to air service disruptions at airports across the United States and highlight how important the ICAO NGAP Outreach work is to recruit and maintain the next generation of aviation professionals. We welcome you to join the NGAP community and share best practices to meet this critical need”.* – Lori Brown

The full Pilot Source Study and information about the Pilot Supply Summit can be accessed at www.pilotsourcestudy.org