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Snowy Day at Teterboro Airport (photo credit: @emilystelzer)
Get Involved!

Make your YouTube video showing why human factors in aviation is the best job in the world! Look for more information at www.hfes.org.

Make suggestions about impactful ways to use our Technical Group resources. Email suggestions to Valerie Gawron (vgawron@mitre.org).

Notes from the Chair

Valerie Gawron

Greetings and happiest of holidays!

The ASTG Business Meeting was well attended, and we had just enough cupcakes for everyone—so thank you for RSVP’ing! The business portion of the meeting covered the following news items from the Council of Technical Groups (COTG) meeting, which took place on Monday, October 26th:

- The Executive Council (EC) has decided to create a **HFES YouTube channel** that will showcase the human factors domain. HFES EC has asked that all technical groups generate short (< 5 minute) videos for the channel, explaining what the technical group does.
Do we have any takers? Are there any existing videos we can link to from our ASTG website?

- The Executive Council (EC) has noted that we have a large amount of money ($22,852.45) sitting in our technical group account. We use our funds in three ways:
  - **Mentor/mentee lunches**, arranged by Haydee Cuevas—see the article on page 5 about one student’s experiences at this lunch.
  - **Best student paper awards**, arranged by Jason Kring—Jason has proposed a new way to identify the award winner. In the past, the award was based on the written paper and presentation, but many papers are presented by co-authors, making them ineligible for the award. Jason suggests giving the award to the highest rated written paper. If I do not hear any nays, I’ll make this change in the bylaws and send those out for a vote in the next newsletter.
  - **Food and drinks** at the ASTG Business Meeting—we never have waste, as all of the extra food is taken to the student lounge, where it magically disappears!

We also gave Michelle Harper-Sciarini our thanks for being the Program Chair for this year and next year. You can find an update about the annual meeting on page 4.

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Stay Connected to HFES!
You can find HFES on social media sites. Join us there and stay connected!

- @HFES
- HFESociety
- Human Factors and Ergonomics Society
Save the Date!

The Human Factors and Ergonomics Society 60th Annual Meeting will take place in Washington, DC from September 19 through September 23, 2016.

The meeting will be held at the Washington Hilton on Connecticut Avenue NW, near the Dupont Circle and Adams Morgan neighborhoods.

Proposals will be due February 8, 2016. Stay tuned at www.hfes.org

Notes from the HFES Annual Meeting

Emily Stelzer

The HFES Annual Meeting was held in Los Angeles from October 26th through 30th. The meeting opened with an address from the society president, Dr. Andrew S. Imada, in which he envisioned the future for HFES and charged the audience with identifying our individual roles in that future. Mr. John Nance delivered the keynote address, discussing the nature of human error.

The ASTG hosted three technical sessions, contributing findings on aerospace communication, task performance, and the effective use and integration of unmanned aviation systems in current air traffic operations. The ASTG also presented several posters during the interactive poster sessions.

“You didn’t make a mistake because you are a bad pilot. You made a mistake because you are a human being...”

- John Nance at the HFES 2015 Keynote Address
Lunch with the Experts

Ruben DeLeon

While at the 2015 HFES International Annual Meeting, I had the privilege of attending a “Lunch with the Experts” event. The lunch consisted of myself and two other students who are interested in pursuing a career in Human Factors within the aerospace/aviation industry.

The expert at the lunch was the very accomplished Dr. Robert E. Joslin. Dr. Joslin is a great guy who is easy to talk to. We had the benefit of getting to know a little about him and after obtaining each of our backgrounds he gave us advice and encouragement. One of the students has an interest in ATC and is working towards obtaining her PPL. I have not met a lot of people in Human Factors who also have a passion for aviation so it was nice and encouraging to meet her. Aside from talking about Human Factors, talking with Dr. Joslin and that student on the subject of flying was great!

Meeting experts like Dr. Joslin and getting a chance to have a conversation with them is a great opportunity for students. I am glad to have attended the “Lunch with the Experts” and I thank Dr. H.M. Cuevas and ASTG for making it possible.

Look for opportunities to participate in next year’s Lunch with the Experts as the 60th Annual Meeting draws near!
Aerospace News from Around the World

Valerie Gawron

In the United States, the big news is on FAA actions regarding Unmanned Aircraft Systems (UAS). On October 19, 2015 U.S. Transportation Secretary Anthony Foxx and FAA Administrator Michael Huerta announced the creation of a task force to develop recommendations for a registration process for UAS. The Task Force members include:

Nancy Egan – 3D Robotics
Richard Hanson – Academy of Model Aeronautics
George Novak – Aerospace Industries Association
Chuck Hogeman and Randy Kenagy – Air Line Pilots Association
Jim Coon – Aircraft Owners and Pilots Association
Sean Cassidy – Amazon Prime Air
Ben Gielow – Amazon Retail
Justin Towles – American Association of Airport Executives
Brian Wynne – Association of Unmanned Vehicle Systems International
Parker Brugge – Best Buy
Douglas Johnson – Consumer Electronics Association
Brendan Schulman – DJI
Paul Feldman – General Aviation Manufacturers Association
Dave Vos – GoogleX (Co-Chair)
Tony Bates – GoPro
Matt Zuccaro – Helicopter Association International
Mike Fergus – International Association of Chiefs of Police
John Perry – Management Association for Private Photogrammetric Surveyors
Brandon Declet – Measure
Randall Burdett – National Association of State Aviation Officials
Sarah Wolf – National Business Aviation Association
Baptiste Tripard – Parrot
Tyler Collins – PrecisionHawk
Gregory McNeal – Small UAV Coalition
Thomas Head – Walmart

Along with the FAA and DOT, the following federal agencies have provided expert support to the Task Force: Department of Commerce, Department of Defense, Department of Homeland Security, Department of the Interior, Office of Management and Budget, National Aeronautics and Space Administration and the Department of State. The registration process has now been defined, and all operators of UAS must register the aircraft.

Also of note, the initial testing of the first remote air traffic control tower in the United States was complet-
ed. The FAA must now decide whether to continue the evaluation or not.

In the **Asia Pacific Region**, Boeing estimates **424,000** new commercial pilots and technicians in the region in the next twenty years. The five largest international and domestic airport pairs are in this region with four of the five including **Hong Kong**. India is providing electronic flight **bags** to pilots.

In **Europe**, **business aviation** is increasing. **Free Route Spacing** is expanding. The **European Commission** is evaluating no-drone zones and blocking flights into sensitive areas.

In **Latin America**, air travel was up for all countries except Venezuela which saw a -8.5% decrease in passenger traffic in 2014 according to **IATA**. The largest gain was in the Dominican Republic (11.9%). **Colombia issued strict regulations on civilian UASs** including: 1) may not weigh more than 25 kilograms, must have both an autopilot and GPS, have a name plates, and not fly over congested areas.

In the **Middle East**, the **Cooperation Council of Arab States of the Gulf** (GCC) has awarded a contract to Helios to develop an air traffic harmonization plan across the member states of Bahrain, Kuwait, Oman, Qatar, Saudi Arabia, and the United Arab Emirates. **Performance Based Navigation (PBN)** is being used by Oman Air to navigate the countries mountainous terrain.

In **space** news, the first rocket launch from **Hawaii** failed due to an anomaly. A **meteor** burned above Thailand. A **new food** was discovered that may enhance food production in space.