Welcome to the 60th ATCA Annual and CMAC: This Week’s Can’t Miss Events!

Christmas, Thanksgiving, ATCA Annual...today marks the beginning of one of the biggest weeks of the year on our ATCA family calendar. The 60th ATCA Annual and CMAC offers three full days of presentations, seminars, networking opportunities, and 104 exhibitors to boot, so where to begin? Overwhelmed by all that the ATCA Annual has to offer? Well, have no fear, ATCA is here to help you plan your week at the Gaylord. ATCA breaks down some of our can’t miss events:

1. NextGen Partner Program
   ATCA and the FAA are partnering with NextGen vendors exhibiting on the Hall floor to launch a new “Phases of Flight” exhibit that will demonstrate NextGen technology and procedures. It will display the positive impact that NextGen is having on the National Airspace System (NAS). ATCA welcomes its 42 participating NextGen partners; all are designated on page 5.

2. Agenda Program Tracks
   Get the most out of your time at ATCA by utilizing the 60th Annual agenda program tracks. For each panel, keynote address, and free education presentation, there is a corresponding track (visit page 2 to view the tracks). Interested in a specific subject matter? This new feature will ensure you don’t miss a thing!

3. Five Keynote Speakers
   In general sessions all three days, the following Keynote Speakers will be featured:
   - U.S. Secretary of Transportation Anthony Foxx
   - The Honorable Michael Huerta, Administrator, FAA
   - Teri Bristol, Chief Operating Officer, Air Traffic Organization, FAA
   - David Vos, Head of Google [X] Project Wing
   - Ludwig Decamps, Director, Armaments and Aerospace Capabilities, North Atlantic Treaty Organization (NATO)

4. Exhibit Hall Floor Events
   The year, ATCA’s Exhibit Hall floor is more exciting and interactive than ever before, with 104 exhibitors displaying the latest in ATM technology and innovations. The Hall floor also features twice the educational programming with three FREE presentation theaters: General Dynamics (including AeroMACS 2015), Aireon Fly-By, and SWIM Connect (see page 8). In addition, don’t miss these Exhibit Hall events: UAVs on Display: Live Intelligent UAS drone demonstrations are happening today at 2 p.m. outside the Exhibit Hall (Interested in flying our drones? Tweet #ATCA60 or contact paul.planzer@atca.org) Art of the Airport Tower book signing: today from 10 a.m. – 2 p.m. at Booth #450

   ENGAGE: ATCA Tower Talks: Listen to short presentations by some of the best and brightest young professionals – Wednesday at the ATCA Booth (#450)

   Visit with Tuskegee Airmen: Wednesday from 12 – 2 p.m. at the ATCA Booth (#450)

5. 2015 ATCA Awards Luncheon
   ATCA will celebrate its 2015 award winners with a special luncheon ceremony at noon in Maryland Ballroom A. The goal of ATCA’s Awards Program is to give special recognition to those persons and/or organizations engaged in the development, operation, and/or maintenance of the worldwide air traffic control system for outstanding achievement. See a full listing on page 9.

Visit the Exhibit Hall

New Exhibitors

Company..................................Booth
FAA Small Business Development Program........249
Enovative Technologies.............345
Parsons Technical
Support Services..................720
Sennheiser Air Traffic Control Headsets........352

#ATCA60

@GenDyn IT
The future of Air Traffic Control will be on display next week at #ATCA60. We are thrilled to be attending!

@NoblisTransport
Be sure to visit Noblis to learn about enterprise solutions to aviation’s biggest challenges at Booth 202 at #ATCA60 Nov 2-4 @ATCA_now
Sixty Never Looked So Good: A Time of Reflection as the 60th ATCA Annual Begins

A Welcome from Peter F. Dumont, President and CEO, Air Traffic Control Association

Welcome to ATCA’s historic 60th Annual. This is one of my favorite times of the year. Not only am I celebrating nine years as ATCA’s President & CEO, but ATCA itself is celebrating a monumental anniversary – 60 years. What began six decades ago as a small group of air traffic controllers wanting more from their – our – industry and community has grown into what you see today. I am proud to represent ATCA and hope you enjoy – and get a lot out of – your week at the Annual.

Once again, the association has co-located the ATCA Annual with our Civil/Aviation Military Conference (CMAC). This year, for the first time, we are offering agenda program tracks. For each panel, keynote address, and free education presentation, there is a corresponding track.

While ATCA offers the same features you’ve come to expect from the Annual, it also offers more opportunities around every corner. For example, the Exhibit Hall features more booths than ever before – 104 exhibits total. The Hall is also where the NextGen Partner Program will be on full display. ATCA has taken its level of collaboration with the FAA to new heights with 42 participating NextGen Partner exhibitors. It marks a new shift in the role our communications play. We’re thrilled to host many of the aviation industry’s top organizations and corporations in the Exhibit Hall. One fun new feature in the Exhibit Hall this year are the UAVs, presented by Precision Hawk, on display outside the double doors from the Hall. Another Exhibit Hall feature I’m looking forward to is stopping by today’s Art of the Airport Tower book signing in the Hall.

This year’s conference program focuses on the topics on everyone’s minds – such as privatization, remote operations, and UAS. We welcome distinguished speakers like U.S. Secretary of Transportation Anthony Foxx and FAA Administrator Michael Huerta as well as many others. The Exhibit Hall floor will also feature three presentation theaters – General Dynamics Theater (including AeroMACS 2015), Aireon Fly-By Theater, and SWIM Connect – that will display the latest research and findings from industry as well as multiple demos to help the ATC community grasp SWIM’s capabilities.

The networking opportunities at the ATCA Annual are as abundant as ever. I encourage you to meet new contacts at the Membership

Continued on page 4
8 – 9 a.m.  
**Welcome Coffee**  
Maryland Ballroom Foyer  
**Sponsored by:**

9 – 9:30 a.m.  
**U.S. Secretary of Transportation**  
*Anthony Foxx*  
Maryland Ballroom A/C

9:30 – 10 a.m.  
**Opening Session**  
Maryland Ballroom A/C  
*Peter F. Dumont*, President & CEO, ATCA  
*Neil Planzer*, Vice President, Boeing Airspace Solutions, ATCA Chairman

9:30 a.m. - 7 p.m.  
**Exhibit Hall Open**  
Prince George’s Exhibit Hall D/E

10 - 11 a.m.  
**Break with Exhibitors**  
Prince George’s Exhibit Hall D/E

11 a.m. - 12 p.m.  
**Keynote Address:**  
*David Vos*, Google  
Maryland Ballroom A/C

12 - 2 p.m.  
**Awards Luncheon**  
Maryland Ballroom B/D  
**Sponsored by:**

2 - 3:15 p.m.  
**Remote Towers: What Have We Learned?**  
Maryland Ballroom A/C  
**Moderator:**  
*Rudy Kellar*, NAV Canada  
**Speakers:**  
*Patrik Peters*, IFATCA  
*Keith McCrea*, VSATS  
*Kieron Heflin*, NATCA  
*Klaus-Dieter Scheurle*, DFS  
*Simon Hocquard*, NATS

Continued on page 4
A trusted partner to the FAA for more than three decades, Harris is delivering NextGen communications systems and information services that support critical ATC operations and administrative functions to the National Airspace System. From voice and data communications products to information management, flight and weather services to ATM networking, Harris is helping the FAA manage their skies safely and securely.

To learn more about the new Harris, visit us at Harris booth #403, or go to harris.com/atca.
**Exhibit Floor Plan & List**

**Prince George's Exhibit Hall D&E**

**Exhibit Hall Hours**
- Monday, November 2
  - 9:30 a.m. - 7:00 p.m.
- Tuesday, November 3
  - 9 a.m. – 5 p.m.
- Wednesday, November 4
  - 9 a.m. – 3 p.m.

**NextGen Partners**
- Listed in Orange

**Company Name**

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- Airtel ATN, Ltd. .................................................... 123
- Airtopsoft SA ....................................................... 247
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*NextGen Partners in Orange, Exhibitor List as of November 1*
Shuttle Bus Schedule

November 2, 3, 4
Departures From FAA
(with access to L’Enfant Plaza Metro)
FAA FOB10A from the C Street side of the building to Gaylord Hotel

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<tr>
<th>Departures From FAA FOB10A</th>
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<tr>
<td>FAA FOB10A from C Street</td>
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<td>November 4 Only:</td>
<td>6:15 P.M.</td>
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<td>Last Shuttle Departs at</td>
<td>3:00 P.M.</td>
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<td>Gaylord National Harbor</td>
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Departures From Gaylord Hotel
Gaylord Hotel Resort & Convention Center
(*Returning to FAA FOB10A)
Depart from: Porte-cochere off Maryland Ballroom Foyer

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<td>November 4 Only:</td>
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<td>Last Shuttle Departs at</td>
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<td>Maryland Ballroom Foyer</td>
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MONDAY’S WORD TRAFFIC
Will ATCA’s NEW Word Jumble Stump You?

There are 30 ATCA sponsors and air traffic control related words in this puzzle. They may be diagonal, vertical or horizontal, in any direction. Circle them in the puzzle as you find them.

```
F N A V C A N A D A U X U X S T A Y P
U N H T C I F M A Y D A Y N E I R H R
L Z F B C G G F A N L D Q U C K U Y O
V P S R V O Y N I D E V I A T I O N G
E Z R U J I N W U R T A K E O F F L E
R H D A B M S F T S M J P H R O P Z R
A A S V Y S A U I E R A D I A L V C D
C R E U O T Y S A G L N T N O B L I S
I R Z R N E H S O L U E R I H S P S A
T I C D I H X E T L A R P B V K C Q Z
Y S G F Z Q I P O E U P A H S E E U I
K Q A S W B R L E N M T P T O E U A M
B L A C K B O X L D C N I R I N L W U
Q Y J X S H A U E O I C C O O I K T
V B T H T D I Z P H N T N G N A N C H
R I C O N D O E D U B B E Y I S C Q S
G J G I G B A I R S P E E D H J U H Y
C G H T E C H N O L O G I E S W F L S
S Y S T E M S A T L A N T A Z I O W O
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AFFIRMATIVE AFFIRMATIVE AFFIRMATIVE AFFIRMATIVE AFFIRMATIVE
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VISUALAPPROACH VISUALAPPROACH VISUALAPPROACH VISUALAPPROACH VISUALAPPROACH

UAVS on Display!
Go out the first double doors on the right side of the Exhibit Hall to see the UAVs in action!

NEED ASSISTANCE? Stop by the Shuttle desk in the Maryland Ballroom Foyer near the doors exiting to the parking garage.
Transforming the air traffic management (ATM) system is essential for improving safety, efficiency and the environment around the globe. Boeing is fully committed and uniquely qualified to help make ATM transformation a reality. It's the right time and Boeing is the right partner.
Exhibit Hall Theater Schedules

Monday, November 2
10:00 – 10:45 a.m.
Remotely Piloted Air System (RPAS)
Speaker: Glyn Owen, CGH Technologies

11:45 a.m. – 12:30 p.m.
Inmarsat ADS-C and Global Flight Tracking
Speaker: Joseph Teixeira, Inmarsat

Tuesday, November 3
10:00 – 10:45 a.m.
The Move to Managed Services
Speaker: Experts from across the ATM Industry

Globally, Air Traffic Management Systems are undergoing transformation. Initiatives such as NextGen and SESAR are focused on enabling new capabilities, improving efficiencies, and modernizing airport infrastructure. This panel will offer a look into Managed Services being deployed today in the U.S. and internationally, lessons learned, and cost savings and best practices realized.

11:00 – 11:45 a.m.
Weather Translation and Impact
Speakers: Tim Myers and Jeff Nalevanko, Metron Aviation

Metron Aviation has developed a web-based weather translation service called Network Weather Resilience, which combines ensemble weather forecasts with a look-ahead horizon of 12–48 hours and applies weather translation models to identify the impact of the weather. The session is based on the Network Weather Resilience capability, which is currently under operational trial since March 2014 at EUROCONTROL by the Network Manager in Brussels.

12:15 p.m. – 1:00 p.m.
Intelligent UAS

2:00 – 2:20 p.m.
SWIM User Experience
Speaker: Nadine Alameh, Snowflake Software Inc

SWIM is quickly creating an open market making data more of a commodit y because it’s provided to consumers via standard formats and mainstream IT protocols. In this talk, Snowflake Software will share its experience in using data from SWIM Data feeds from the perspective of a data exchange business that is benefiting from the open exchange environment enabled by SWIM.

3:00 – 4:00 p.m.
Space-Based ADS-B: Optimizing the North Atlantic by 2018
Speakers: Vincent Capezzuto, Vice President of Engineering and CTO, Aireon; Peter Kearney, Director ATM Operation and Strategy, Irish Aviation Authority; Cyriel Kronenburg, Vice President, Aireon; Larry Lachance, Vice President of Operations, NAV CANADA

Aireon’s space-based ADS-B system will provide 100 percent global surveillance to all aviation stakeholders. Attend this presentation and learn how the Aireon system works, why ANSPs like the Irish Aviation Authority and NAV CANADA decided to support this next-generation technology, the scope of the FAA agreement with Aireon, and how space-based ADS-B will increase overall efficiency, reduce separation, and lower fuel burn in your airspace.

3:40 – 4:50 p.m.
Employer Brand Recognition Through College Partnership: Benefits of Hiring Recent College Graduates
Speaker: Moranda Reilly

Tuesday, November 3
10:00 – 10:20 a.m.
Avoiding Controlled Flight into Terrain in Mountainous Areas
Speaker: Lindsay Deutsch-University of Alaska Anchorage

10:30 – 10:50 a.m.
Weather Mitigation
Speakers: Tim Myers and Jeff Nalevanko, Metron Aviation

11:00 – 11:20 a.m.
Picking the Right Remote Tower Partner
Speaker: Pat Urbanek, Remote Tower Specialist, Searidge Technologies

ANSPs and Airports that are serious about implementing remote tower services need to work with a technology partner who is as flexible as their operation is unique. Hear from our remote tower specialist about the benefits of adopting an open technology platform and how it is being used by ANSP and airports around the world.

11:30 – 11:50 a.m.
CHI for the Next Generation of ATM
Speaker: Jim Cozens, Frequentis

An armory of new systems is in production to meet the challenges of next generation ATM but nobody wants to wake the sleeping dog called CHI. It’s time to roll up our sleeves and figure out a better way to get the best from our people and our technology.

2:00 – 2:20 p.m.
Test and Evaluation Practices for Complex Systems of Systems
Speaker: Bruce Normann, CSSI Inc.

Test and evaluation (T&E) practices for complex Systems of Systems (SoS) have evolved over time to cope with the scale and scope of these systems, but reliable methods for detecting emergent behavior have remained elusive. This discussion examines the question of how T&E practices can be expanded to more effectively detect and capture emergent behaviors in the NAS, using the latest tools and techniques and leveraging NextGen infrastructure investments like SDAT and Wide Information Management (SWIM).

3:00 – 3:50 p.m.
Using Social Media to Propel Your Networking Reach
Speaker: Andrew Bridiga, Arizona State University

Continued on page 10
2015 ATCA Award Winners

The General E.R. Quesada Memorial Award
Raymond Miller, CI² Aviation, Inc.

The George W. Kriske Memorial Award
John O’Sullivan, Harris Corporation

The William A. Parenteau Memorial Award
Changala Chisanga, FAA

The Andy Pitas Memorial Award
SSG Samuel Arredondo, US Army
William Beach, Albany, GA FCT
Anne Breen, NAV CANADA
Matt Dippe, ZSE
Sarina Gumbert, Central Florida TRACON
Mark Haechler, ZSE
Hugh McFarland, Houston TRACON
Alan Passero, ZSE

The Earl F. Ward Memorial Award
Foxtrot Company, 3-25 Aviation Regiment, US Army
NOTAMS Systems Team, FAA

The ATCA Industrial Award
Lockheed Martin

The ATCA Air Traffic Control Specialist of the Year Award
Elizabeth Beaumont, ZFW
Douglas Bender, Beverly FCT
Maureen Stevens, NAV CANADA FSS

Lingiam Odems Memorial Award for Air Traffic Control Specialist of the Military
WO1 Manley Hatcher, US Army
SrA Mancel Marlar, US Air Force
AC1 Jason Miller, US Navy
SGT Brandon Rockman, US Marine Corps

ATCA Airway Transportation Systems Specialist of the Year Award
SSG Becky Lam, US Marine Corps
ET1 Matthew Martin, US Navy
Du Jin Moon, NAV CANADA

ATCA Life Cycle Management Award
Francois Bisailion, NAV CANADA

The Chairman’s Citation of Merit Award
Equip 2020, FAA
Frank Griffin, Midwest Air Traffic Control Service, Inc.
Light the Way Team, NAV CANADA
Susan Ragan, Beacon Management Group
Leo Prusak & Tony Tisdall, FAA
ZAU (Chicago Center Team), FAA

President’s Citation of Merit Award
Tom Styc, ATCA Awards Committee
ATCA Publications Committee

The Clifford P. Burton Memorial Award
Sid Koslow, NAV CANADA

The Glen A. Gilbert Memorial Award
Ned Spencer

Today’s Can’t Miss Event

Art of the Airport Tower
Signing with author Carolyn Russo
10 a.m. – 2 p.m.
Exhibit Hall (Booth #450)

In her own words: When and why did you start photographing airport towers?
“I began thinking about photographing towers in 2006 towards the end of a former book project In Plane View: Abstractions of Flight (powerHouse Books 2007). At that time I was seeing and photographing aircraft as abstractions. On a trip to New York through LaGuardia airport to visit my family, the airport tower came into view outside of my airplane window and close-up, the tower looked like Swiss cheese! From there I wanted to explore the different forms of airport towers and my view was a natural transition into this project.”

Solution to Word Traffic puzzle on page 6

Thank you to NATCA for sponsoring today’s Awards Luncheon!

#ATCA60
Attending #ATCA60 Conference next week in DC? We have slots available for our ‘How To’ workshops, learn more at snowflakesoftware.com
Remote Towers: What Have We Learned?

ATCA’s Conversation with Keith McCrea, VSATS Executive Director

The Annual’s panel sessions offer attendees an in-depth look at the aviation industry’s hottest topics. One such hot topic is remote operations – don’t miss today’s panel on the subject. It will feature speakers from NATCA, NATS, DFS, NAV CANADA, IF-ATCA, and the Virginia SATS LAB, Inc (VSATS). ATCA sat down with Keith McCrea, Executive Director of VSATS, to talk about the project that’s at the forefront of his mind.

VSATS has partnered with Saab and the town of Leesburg, VA (with heavy involvement from the FAA) to test the feasibility of tower services being provided remotely. The Leesburg Executive Airport (JYO) is set to become the first of its kind in the United States. “Leesburg is a perfect candidate. It’s a reliever airport to Dulles and inside unique airspace,” says McCrea. “We have 66 licensed public-use airports in Virginia; all but nine don’t have any scheduled air service. One objective for the project is to understand the potential for this type technology to provide greater access for some of the other 57 airports. The aim then is for greater economic development potential for these airports.”

This past August, the Leesburg Airport conducted a successful 90-day passive trial of the project. Next spring, VSATS plans to begin the next phase of the project by going active and adding a mobile ATC tower staffed with certified controllers. “We’re going to have a deployed mobile tower that is used throughout the second phase of the project as a safety mechanism,” says McCrea. “It will run concurrently with the remote tower to compare remotely-accessed optical information vs. on-site optical information.”

It helps to answer the question if we can adequately transfer that field of vision, adds McCrea – can a controller do their job having this information provided via cameras? “Wonderful advancements in high definition cameras have made this all possible.” Of course, says McCrea, the team has had controllers involved with the concept and participating in the project.

McCrea adds that it is unlikely we’ll find remote towers at high traffic airports in the future. “What I see with this technology is the ability to move the benefit of active control to lower activity airports that would never be on any ATC service candidate list,” says McCrea. “The technology may allow us to bring active control at some point to airports that warrant it without any traditional on-site brick and mortar.”

“Time will tell if [the project] bears fruit.” An end goal would be to eventually deploy this type technology throughout the National Airspace System, adds McCrea.

The panel session will take place at 2 p.m. today in Maryland Ballroom A/C. ATCA’s interview with Keith McCrea originally appeared in the April 2015 issue of the ATCA Bulletin.
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