January 14-17, 2016

Saturday, January 16

7:00 a.m. - 8:00 a.m.  Continental Breakfast  San Marcos Ballroom Foyer & A

7:00 a.m. - 4:00 p.m.  Registration and Help Desk  San Marcos Ballroom Foyer

8:00 a.m. - 9:15 a.m.  Concurrent Sessions

**Leadership/Innovation/Aerospace Technology/Applications**  La Ventana Ballroom
Chair: Ed Knab, ERAU-WW
Panelists: Tim Holt, ERAU-WW; Kees Rietsema, ERAU-WW; Eric Anderson, Graduate Student, ERAU-PC

Presenters:
- “Increasing General Aviation Safety through Data Analysis – GA ASIAS” Shawn Pruchinicki and Philip Smith, Ohio State University #1248
- “A Study on the Localization of Airport Self Bag-Drop Off system in Korea” Kangseok Lee, Hanseo University (#1231)

**Unmanned Aerial Systems Certification**  San Tan Ballroom
Chair: Stewart Schreckengast, Purdue
Panelists (invited): James Malecha, Federal Aviation Administration; Nancy Graham, Former Director of ICAO’s Air Navigation Bureau; Kurt Barnhart, Kansas State University; Jimmy Clem, President/CEO, Unmanned Aerial Consulting; Steven Pennington, USAF; Sarah Nillson, ERAU-PC

Presenter:
- “A Survey of sUAS Operator’s FAA Regulation Knowledge” David Thirtyacre, ERAU-WW (#1211)

**Aviation Management & Operations**  San Marcos Ballroom B
Chair: Hon. Robert Sumwalt, National Transportation Safety Board

Presenters:
- “Analysis of Factors Related to Maximum True Airspeed (TAS) During the Handicap Procedure for the 2105 Women’s Air Race Classic” Erica Diels and Claire Schindler, ERAU-PC (#1229)
- “Determining the Runway Point-of-no-Return for Landing Roll Go-Around in Transport Category Airplanes” Nihad Daidzic, Minnesota State University-Mankato (#1210)
- “In Pursuit of Aviation Professionalism: Assessing Aviation Professionalism” Hussain Alhallaf, Florida Institute of Technology (#1234)
- “The Results of Non-compliance with Checklist Use and Control Checks in the BED Runway Overrun Crash” Robert Sumwalt, National Transportation Safety Board (#1257)

Critical Issues: TBD

9:15 a.m.-9:30 a.m. Break

9:30 a.m.-10:45 a.m. Concurrent Sessions

State of the Helicopter Industry San Tan Ballroom
Chair: Dawn Groh
Panelists: Robert Rappoport, Production Test Pilot and Instructor- MD Helicopters; David Small, Regional Aviation Manager- Air Methods Corp, Native Air AX; Scott Burgess, ERAU-WW; Terence Miyachi, AZDPS; James Linehan, Phoenix PD

Human Factors & Safety San Marcos Ballroom B
Co-Chairs: Clint Balog, ERAU-WW, Erin Bowen, ERAU-PC
Panelist: Hon. Earl Weener, National Transportation Safety Board Member
Presenters:
  - “Cognitive Processes and Challenges during Surprise on the Flight Deck” Shawn Pruchinicki, Ohio State University (#1251)
  - “The Effect of a Midpoint Marking on Pilot Decision Making While Landing” Brian Dillman, Rachel Borsa, Lucero Duran & Julius Keller, Purdue University (#1240)
  - “Accident-Precipitating Factors for Crashes in Turbine-Powered General Aviation Aircraft” Douglas Boyd, University of Texas Health Science Center at Houston and Alan Stolzer ERAU-DB (#1212)
  - “Exploring Pilots' Experiences of Integrating Technologically Advanced Aircraft Within General Aviation” Calvin Nobles ERAU-WW (#1208)

Consumer Perceptions in Aviation La Ventana Ballroom
Co-Chairs: Scott Winter & Madison Hart, Florida Institute of Technology
Presenters:
  - “Effect of Passenger Weight Under-Estimations on Regional Aircraft Performance for the Most Obese States in America” Douglas Boyd, University of Texas Health Science Center at Houston (#1220)
  - “From Customer Service to Self Service: The Decline of Passenger Satisfaction” Timothy Holt, ERAU-WW (#1241)
  - “Impact Factors for the National Annual Airline Quality Rating and A³IR Con” Brent Bowen, Vrushali Suvarna, Hunter Watson, ERAU-PC (#1260)

10:45 a.m.-11:00 a.m. Break

11:00 a.m.-12:15 p.m. Concurrent Sessions

Emergency Response La Ventana Ballroom
Co-Chairs: MK Gorman, ERAU-WW; John Griffith, ERAU-WW
Panelists: Hon. Robert Sumwalt, NTSB; Jim Linehan, ERAU-PC; Heather Strouse, Capital Aviation Consulting; Deputy Chief Beth Hendel, Phoenix, FD
Presenter:
- “The Results of Non-compliance with Checklist Use and Control Checks in the BED Runway Overrun Crash” Hon. Robert Sumwalt, National Transportation Safety Board (#1257)

Emerging Technologies in Aviation

San Marcos Ballroom B

Co-Chairs: Vahid Motevalli, Tennessee Tech and Bruce Conway, ERAU-WW

Presenters:
- “Relative Material Loss: A Methodology for Assessing Island Airport Steel Marine Bulkheads” Robert Ernstim, ERAU-DB (#1237)
- “Wingsuit Materials Research – The Effect of Currently Used Materials on Wingsuit Aerodynamics” Timothy Sestak, ERAU-PC (#1227)
- “Validating the Knowledge, Skills, and Abilities Composite Measure: An Aviation Industry Pilot Study Presentation” Aaron Glassman, Jason Newcomer, Matthew Earnhardt, ERAU (#1217)
- “Class 1 EFB Deployment in a Fractional Ownership Pilot Population” Kyle Tekaucic & Shawn Pruchinicki, Ohio State University (#1249)

Critical Issues

San Tan Ballroom

Chair: Doug Drury, University of South Australia

Presenters:
- “Are We Facing a Pilot Shortage?” Timothy Clifton, ERAU-PC (#1255)
- “Perception of Safety Culture for Air Traffic Controllers in Korea” Seock J. Hong, Kang-Seok Lee, University of North Texas (#1246)
- “Air Transport Pilot Supply and Demand: Current State and Effects of Recent Legislation” Michael McGee ERAU-WW (#1219)
- “Cross-Sectional Assessment of Safety Culture Perceptions and Safety Behavior in Collegiate Aviation Programs in the United States” Micah Walala & Julius Keller Purdue University (#1213)

12:15 p.m.-1:00 p.m.  Lite Lunch (by RSVP at Registration Desk)  San Marcos Ballroom Foyer & A

1:00 p.m.-2:00 p.m.  Critical Issues  San Tan Ballroom

Co-Chairs: Jimmy Clem, CEO Unmanned Aerial Consulting and Dan Macchiarella, Dean, College of Aviation, ERAU-DB

Presenters:
- “System Safety Modeling of Alternative Geofencing Configurations for Small UAS” James Luxhoj, LCR (#1221)
- “Cyber Security and Privacy of Air Traffic Systems” Radhakrishna Sampigethay, ERAU-PC (#1230)
- “Frank Whittle and the Invention of the Jet Engine” Juan Merkt, ERAU-PC (#XXXX)

Note: Additional presenters will be published in the final proceedings.

Roundtable Presentations

La Ventana Ballroom

Chair: tbd
Note: Presenters will be published in the final proceedings.

2:00 p.m. – 4:00 p.m.  
**WINGS Seminar: Unmanned Aircraft Systems (UAS) in the National Airspace System (NAS) - Overview of Regulations [w/lite refreshments]**  
San Marcos Ballroom B (& A Overflow)  
Co-Chairs: Sarah Nilsson and Brian Roggow, ERAU-PC  
Presenters: Tina Buskirk, FAASTeam Program Manager, Scottsdale FSDO; James Malecha, Federal Aviation Administration; Sarah Nilsson, ERAU-PC

4:00 p.m. – 6:00 p.m.  
**Preparation for AIR Con Communiqué (RSVP Req’d at Registration Desk)** La Ventana Ballroom  
Chair: Mary Fink, along with members of the Planning Committee and Staff

6:00 p.m.  
**Dinner on Your Own**  
Chandler’s Historic District