

**FAA JOINT UNIVERSITY PROGRAM FOR AIR TRANSPORTATION RESEARCH
QUARTERLY REVIEW MEETING WINTER 2016 hosted by**



William J. Hughes Technical Center

**January 21 and 22 2016
Agenda**

Thursday January 21 – Conference Room B 300-2-3 (H17)

10:00 – 10:30 Welcome convene and coffee

10:30 – 11:30 Princeton University – Prof. Luigi Martinelli

- Uncertainty Quantification for Ice Accretion and Cargo Hold Fires
Anthony DeGennaro
- Continuing Progress of High-order Accurate Simulation Tool for Cargo Hold Fires
Mark Lohry

11:30 – 11:45 Break

11:45 – 12:30 Ohio University – Prof. Chris Bartone

- Bird Strike Mitigation for Aviation
Christopher Drummond, Anthony Combs

12:30 – 1:15 Lunch

1:15 – 2:00 Ohio University (continued)

- Pattern-Controllable Single-element GPS Patch Antenna for Civil Aviation
Levi Moore

2:00 – 3:30 William J. Hughes Technical Center's Unmanned Aircraft Systems Airspace Integration Joint Test Simulation for the DoD

- *Albert Schwartz, FAA Modeling and Simulation Branch*
- *Cliff Johnson, FAA Software and Systems Branch, System Safety Section*
- *Ferne Friedman-Berg, FAA Human Factors Branch*

6:30 – 9:00 Dinner at Local Restaurant

Friday, January 22 – Conference Room B 300-2-3 (H17)

8:30 – 9:00 Arrival, convene

9:00 – 11:30 MIT – Prof. John Hansman

- Implication of Inconsistencies between Flight Crew Mental Model and Automation State
Sathya Silva
- Understanding the Impact of Cognitive Reference Frames on Unmanned Aircraft Operator Workload and Performance
Matt Rabe
- Potential Safety Benefits of RNP Approach Procedures
Sandro Salgueiro

11:30 – 12:00 FAA/PI Meeting, Wrap –up, Adjourn