

Aug 15, 2007 Betsy Weatherhead and Brian Argrow: [cauas.colorado.edu](http://cauas.colorado.edu)

## **Civilian Applications of Unmanned Aircraft Systems** **<http://cauas.colorado.edu>**

**University of Colorado at Boulder**  
**Susan Avery, Convener**  
**Betsy Weatherhead and Brian Argrow, Co-Chairs**

### **Monday, October 1, 2007**

#### **DAY 1: Current US Civilian Capabilities: Successes and Failures**

**Session 1: Background** (8:00 a.m. – 9:45 a.m.)

US Civilian capabilities are based on DoD developments and influenced by international efforts.

**Session 2: Scientific Applications** (10:15 a.m. – 12:00 noon)

Current US scientific applications include those for land, sea, and air.

**Session 3: Public and Commercial Applications** (1:00 p.m. – 2:45 p.m.)

Public and Commercial Applications: Public and commercial groups have explored UAS applications

**Industry, FAA, Agency Vision:** (3:15 p.m. – 5:00 p.m.)

Wrap-up: What is working across agencies? What communications are working?  
Redundancies? Cooperation?

**Evening:** Reception in the football stadium (5:30 pm-7:30 pm)

### **Tuesday, October 2, 2007**

#### **DAY 2: The Public Decade—where do we want to be in ten years?**

Recognition that the next 10 years will bring a transfer of UAS technology to the public sector and development of new technologies to support long-term national goals

**Session 1** Scientific Applications: Where do we want to be in 10 years? (8:00 a.m. – 9:45 a.m.)

**Session 2** Public and Commercial Applications: Where do we want to be in 10 years? (10:15 a.m. – 12:00 noon)

**Session 3** UAS Integration: Visions for the integration of UAS capabilities (1:00 p.m. – 2:45 p.m.)

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**Industry, FAA and Agency vision (3:15 p.m. – 5:00 p.m.)**

What are the common themes and priorities? What are the possibilities for collaboration across disciplines and agencies?

**Wednesday, October 3, 2007**

**DAY 3** How do we get there? Steps in the public decade.

**Session 1** Existing paradigms and New Alternatives. (8:00 a.m. – 9:45 a.m.)

Existing ways of thinking of the integration of UAS may need to be altered as UAS develop and the applications of UAS are integrated into existing efforts.

**Session 2** Applications-Driven Engineering Challenges (10:15 a.m. – 12:00 noon)

Solutions to enable the future use of UAS include development of engineering solutions to UAS, communications and sensors.

**Session 3** Society and Policy (1:00 p.m. – 2:45 p.m)

The vision for the future of UAS in the coming decade will require adjustments of public perception and, perhaps policy. What is the best path forward?

**Industry, FAA and Agency vision (3:15 p.m. – 5:00 p.m.)**

Is the vision for coming decade clear? Is it achievable? What are the priorities? What collaborations and efforts are necessary to achieve this vision? Are the current agencies and organizations well placed for the coming decade?