Aviation Software Systems for the Second Century of Flight:
Design for Certifiably Dependable Systems

Agenda
5-6 October 2006

5 October
7:00  Coffee and Breakfast
8:00  Introductory Session (Claire Tomlin)
      NITRD (Simon Szykman)
      NSF (Helen Gill)
      OSD (Rob Gold)
      AFRL (David Homan)
      FAA (Hal Pierson)
      NASA (Paul Miner)
      NITRD (Sally Howe)

Keynote Address
9:00  John Hansman
      MIT
      Professor, Director, International Center for Air Transportation
9:30  Questions and discussion

9:45  Applications
      Stephen A. Jacklin
      Kevin Harnett
      Scott Lintelman
      Radha Poovendran
      Walter Storm
      Alexandre Bayen
      Emilio Frazzoli
      Banavar Sridhar

10:25-10:45  Break

10:45  General Discussion:
       Moderator: Lui Sha,
       Scribe: Paul Miner

11:45  Lunch - Keynote Address
12:15  Col. Michael Leahy
       United States Air Force
       Vice Director, 448th Combat Sustainment Wing
12:45  Questions and discussion
5 October (continued)

1:00  **Certification and Assessment**
Azer Bestavros  
Natasha Neogi  
S. Tucker Taft  
Scott Beecher/Jim Krodel  
Gabor Karsai  
John C. Knight  
Oleg Sokolsky  
Rance Cleaveland  
Frank Mueller

1:50  **General Discussion**
*Moderator: David E. Corman*
*Scribe: Darren Cofer*

3:00-3:20  **Break**

**Systems Issues**
Barbara Lingberg  
Darren Cofer  
Andres Zellweger  
Salah Sukkarieh  
David Homan  
Glenn Roberts  
John Baras  
Andy Steinberg

**Education**
Jayakanth Srinivasan  
Jim Alves-Foss  
Lyle Long

4:15  **General Discussion**
*Moderator: Gabor Karsai*
*Scribe: Alexandre Bayen*

5:00  **Working Groups**
Working Group discussions

6:00  **Wrap Up of Day 1**

6:00-8:00  **Reception + Cash Bar**
6 October
7:30    Coffee and Breakfast
8:00    Introduction (John Hansman)

Keynote Address
8:15    John Rushby
        SRI International
        Program Director, Formal Methods and Dependable Systems
8:45    Questions and discussion

9:00    Methods
        Lui R. Sha
        Allen Goldberg
        Peter Skaves
        Arnaud Venet
        Matthew B. Dwyer
        Robin Bloomfield
        Reinhard Wilhelm

9:45    General Discussion
        Moderator: Eric Feron
        Scribe: Salah Sukkarieh

10:30-10:50    Break

10:50    Breakout Groups

11:45    Lunch - Keynote Address
        Don C. Winter
        Boeing Phantom Works
        Vice President, Engineering & Information Technology
12:15    Questions and discussion

12:45    Continue Breakout groups
1:00     Continue breakout groups
1:45     Reconvene in main room

Outbriefs of Breakout Groups
2:00    Group 1 - Applications
2:15    Group 2 - Certification and Assessment
2:30    Group 3 - Systems and Crosscutting Issues
2:45    Group 4 - Methods

3:00    Wrap Up of Day 2