

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

Agenda
5-6 October 2006

5 October

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| 7:00 | Coffee and Breakfast |
| 8:00 | Introductory Session (<i>Claire Tomlin</i>)
NITRD (<i>Simon Szykman</i>)
NSF (<i>Helen Gill</i>)
OSD (<i>Rob Gold</i>)
AFRL (<i>David Homan</i>)
FAA (<i>Hal Pierson</i>)
NASA (<i>Paul Miner</i>)
NITRD (<i>Sally Howe</i>) |
| | <u>Keynote Address</u> |
| 9:00 | John Hansman
<i>MIT</i>
<i>Professor, Director, International Center for Air Transportation</i> |
| 9:30 | Questions and discussion |
| <u>9:45</u> | <u>Applications</u>
Stephen A. Jacklin
Kevin Harnett
Scott Lintelman
Radha Poovendran
Walter Storm
Alexandre Bayen
Emilio Frazzoli
Banavar Sridhar |
| <u>10:25-10:45</u> | Break |
| <u>10:45</u> | <u>General Discussion:</u>
<i>Moderator: Lui Sha,</i>
<i>Scribe: Paul Miner</i> |
| <u>11:45</u> | <u>Lunch - Keynote Address</u> |
| 12:15 | Col. Michael Leahy
<i>United States Air Force</i>
<i>Vice Director, 448th Combat Sustainment Wing</i> |
| 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 (<i>John Hansman</i>)
	<u>Keynote Address</u>
8:15	John Rushby <i>SRI International</i> <i>Program Director, Formal Methods and Dependable Systems</i>
8:45	Questions and discussion
<u>9:00</u>	<u>Methods</u> Lui R. Sha Allen Goldberg Peter Skaves Arnaud Venet Matthew B. Dwyer Robin Bloomfield Reinhard Wilhelm
<u>9:45</u>	<u>General Discussion</u> <i>Moderator: Eric Feron</i> <i>Scribe: Salah Sukkarieh</i>
<u>10:30-10:50</u>	<u>Break</u>
<u>10:50</u>	<u>Breakout Groups</u>
<u>11:45</u>	<u>Lunch - Keynote Address</u>
12:15	Don C. Winter <i>Boeing Phantom Works</i> <i>Vice President, Engineering & Information Technology</i>
12:45	Questions and discussion
	<u>Continue Breakout groups</u>
1:00	Continue breakout groups
1:45	Reconvene in main room
	<u>Outbriefs of Breakout Groups</u>
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
<u>3:00</u>	<u>Wrap Up of Day 2</u>