

**Use of Dynamic Analysis Methods in Aircraft Certification  
10 -11 August 2016**

<u>Day 1</u>	<u>Topic</u>	<u>Presenter</u>	<u>Schedule</u>
1.	Introductions, announcements, and opening comments a. LSTC ASWG Activities b. Welcome to VT	Joseph Pelletiere (FAA)	8:30 – 9:30
2.	Modeling Overview Process and Aerospace Applications <b>BREAK</b>	Gerardo Olivares (NIAR)	9:30 – 10:30
3.	Seat Modeling and SAE ARP 5765A	Prasanna Bhonge (Gulfstream)	11:00 – 11:30
4.	Birdstrike Modeling  <b>LUNCH</b>	Suzanne Masterson (FAA)	11:30 – 12:00
5.	ASME V&V Updates/Golden Rules	David Moorcroft (FAA)	1:00 – 1:30
6.	Cabin Safety Modeling and AC revisions	David Weed (FAA)	1:30 – 2:00
7.	M&S at Virginia Tech (sled, ATD's) <b>BREAK</b>	Costin Untaroiu (VT)	2:00 – 2:30
8.	Engine Related Impact Failure Modeling	Chip Queitzsch (FAA)	3:00 – 4:00
9.	Other Agency Processes NASA STD 7009	Martin Annett (NASA)	4:00 – 4:30
<b>Day 2</b>			
10.	Day 1 Review and Day 2 Goals	Joseph Pelletiere (FAA)	8:30 – 8:35
11.	M&S at Virginia Tech (Full Aircraft)	Javid Bayandor (VT)	8:35 – 9:05
12.	Other Agency Processes – FHWA	Dhafer Marzougui (GMU)	9:05 – 9:35
13.	Uncertainty Quantification and Validation Assessment <b>BREAK</b>	Ben Thacker (SWRI)	9:35 – 10:15
14.	Validation Methodology for Passenger Safety	Dan Nicolella (SWRI)	10:45 – 11:30
15.	Aerospace Applications of M&S at Boeing  <b>LUNCH</b>	Humayun Kabir (Boeing)	11:30 – 11:45
16.	Validation Experimental Methods for Crash and Impact	Rory Bigger (SWRI)	1:00 – 1:30
17.	Validation Methodology for Simulation of Materials and Structures Under Crash and Impact	Sidney Chocron (SWRI)	1:30 – 2:15
18.	Other Agency Processes – FDA  <b>BREAK</b>	Tina Morrison (FDA)	2:15 – 3:00
19.	Basic Requirements of Dynamic Simulation including TSO Implications, Primer for development of a Master AC	Group Discussion	3:15 – 4:15