**Final Agenda**

**Digital Twin Roadmap Workshop**

**NASA Langley Research Center**

**091012-091112**

**Monday, September 10**

8:30-9:30 Arrive at Langley badge and pass, travel to Reid Conference Center

9:30-10:30 Welcome and Overview of NASA and USAF Visions for the Digital Twin

10:30-11:30 Briefing of outcomes of July workshop

* Current draft of Roadmap
* Identified gaps

11:30-1:00 Lunch

1:00-2:00 Brief presentations of current relevant work (10 minute presentation per sub-topic)

* HC-144A L/ESS (Usage) (Dwyer)
* DDSim (Integrated Architecture) (Emery)
* NASA Damage Science Program (Hochhalter)

(Structural/Life Analysis)

* ICME & NDE Link to Structural Analysis (Enright)

(State Awareness)

* FAA General Aviation Risk Analysis (Millwater)

(Probabilistic Decision Making)

* Data Management (Taylor)
* Data Management (Koziol)
* Computing (Naboulsi)

2:00-2:30 Lessons learned from DARPA SIPS program – the need for integration across disciplines (Anagnostou/Engel)

2:30-4:30 Breakout discussions by sub-topic

* State Awareness (Davis/Lindgren)
* Probabilistic Design Support (Penmetsa/Wang)
* Integrated Architecture (Engel/Khalessi)

4:30-5:00 Report out by breakout group

**Tuesday, September 11**

8:30-10:30 Breakout discussions by sub-topic

* Usage (Krish/Schleider)
* Structural/Life Analysis (Hochhalter/Ball)
* Computing & Data Management (Tuegel/Gustafson)

10:30-11:00 Report out by breakout group

11:00-11:30 Closing comments and next steps\*

\* Rooms will be available for ad-hoc follow-on discussions on Tuesday afternoon