**NASA Aeroservoelasticity (ASE) Simulation Workshop**

**National Institute of Aerospace (NIA) Room 101**

**April 18 & 19, 2012**

Day 1 - Tutorials & Case Studies

9AM    Greeting                                                               Peter Coen NASA Langley

9:15    Background & Overview of Workshop

 Walt Silva NASA Langley

9:45    Interaction Between ASE & Simulation

 Prof. Dave Schmidt UCCS

10:45  Aeroservoelasticity & Reduced Order Models

 Walt Silva NASA Langley

11:45  Sim Study of Impact of ASE on Flying Qualities of a

 High Speed Civil Transport (HSCT)

 Dave Raney NASA Langley

12:15 Structural Modes and Aircraft Handling Qualities

 Brandon Cowen Adaptive Aerospace Group

12:30-1:30      Lunch

1:30 PM to 5:00 PM - Case Studies, approx. 45 min. each

X-56A MUTT

Scarcello & Beranek   Lockheed Martin

Dynamic Flight Simulation for MAD/MUTT

P.C. Chen Zonatech

Ares 1-X

Eugene Heim NASA Langley

System ID of Flexible Aircraft

Per Ohme German Aerospace Center DLR

Stick-to-Stress Real-Time Simulator

Dr. Ned Lindsley Air Force Research Laboratory

DAY 2 – Discussions

Finishing and summarizing Day 1 case studies.

Issues and problems with current state of the art.

Lessons learned.

Near and far term solutions.

Suggestions for future technology development and road mapping a strategic research plan.