

AAAAeroelastic Prediction Workshop

Publication Strawman, version 2

Updated information starts on slide 7

Jennifer Heeg
AePW Organizing Committee
May 15, 2012
Updated: May 30, 2012

Attention all AePW Analysts!

- Please let me know by Tuesday, May 22, 2012 if you would like to submit a paper with your own analyses of BSCW &/or HIRENASD for the special session at the Aerospace Sciences Meeting (ASM)
- This session has to be formulated in the next few weeks, mini-abstracts submitted, etc.
- Please skim through the rest of these slides before answering the question. There is no penalty for saying that you prefer either the SDM or IFASD as the venue for publishing your results. The organizing committee members think that there will be sufficient interest in all 3 venues for conducting special sessions at each of those meetings.

AIAA: Abstract Guidelines

- Total length of 5–10 pages
 - Include figures and tables
 - Draft papers are encouraged
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- Publication deadlines
 - ASM abstracts: June 5, 2012
 - SDM abstracts: Sept 5, 2012
 - IFASD abstracts: Dec 2012

Big Picture Suggestions

- Each meeting will include an open discussion time slot
 - The deliverable for each of these open discussion sessions will be a slide summarizing
 - Technical community fresh perspectives on technical aspects
 - recommendations for path going forward
 - The presentatoin information for each of these open discussion sessions will be the above slides from the AePW & previous forums
- ASM, Jan 2013, Grapevine TX, USA:
 - See detailed slides that follow
 - focus on RSW (but not exclusively)
 - RSW technical working group meeting
- SDM, April 2013, Boston, USA:
 - focus on BSCW (but not exclusively)
 - present the reduced experimental data
 - BSCW technical working group meeting
- IFASD, June 2013, Bristol, UK:
 - focus on HIRENASD (but not exclusively)
 - HIRENASD technical working group meeting, coordinated with RTO AVT-203

ASM Special Session

(3-hour session with a total of 6 papers)

- Overview of AePW-1
- RSW: lessons learned from AePW-1 model development & analyses
- RSW: analytical follow-on study to eliminate several sources of uncertainty identified during AePW-1
- Analysts' individual papers: processes & results for BSCW & HIRENASD
 - Analyst 1
 - Analyst 2
 - Analyst 3
- Open discussion of results, interpretations, and plan going forward

ASM special session instructions

- Identify principal author for each paper
- Principal author should enter an author list, working title, and short abstract to AIAA by June 5 abstract deadline
- Principal author should forward the tracking number of their abstract to Jen (jennifer.heeg@nasa.gov)
- Jen will forward the list of tracking numbers and intended order or presentations to Lamar Auman & Rich Wahls for grouping into a single session
- Authors should complete the work and submit paper to AIAA by December 20, 2012 deadline.
- Authors should present papers at ASM, Grapevine Texas, Jan 7-10, 2012

Update: May 30, 2012

- Based on emails and conversations:
 - There were 3 analysts from AePW requesting individual paper presentations at ASM
 - Two combined work presentations on RSW are planned. Dave Schuster has agreed to be corresponding author for those papers. One will focus on the model development & boundary layer work. One will focus on the analysis results from the workshop and any results from the follow-on analysis-only work
 - We will have an overview paper. Jennifer Heeg will be corresponding author and is seeking volunteers to write sections of that paper.
 - We have the opportunity to conduct some type of discussion forum.
- Email from Lamar Auman confirming out special session & providing details:
 - APA/SDM Joint Session: invited papers and panel discussionJoint with: Aeroelastic Prediction Workshop (AePW)
"Aeroelasticity and unsteady aerodynamics prediction "
POC: Jennifer Heeg, jennifer.heeg@nasa.gov
Co-chair ??
Time: 1 session, 4-hours
6 papers and a 1-hour panel discussion at the end of the papers
Room size: 100 (medium)
- **Co-chair volunteer needed.** No experience required. Prefer enthusiasm, as I bring none to this particular job.

ASM Special Session: The Aeroelastic Prediction Workshop

- Overview of the Aeroelastic Prediction Workshop (corresponding author: Jennifer Heeg, NASA Langley)
- RSW: lessons learned from AePW-1 model development & analyses (corresponding author: Dave Schuster)
- RSW: analytical follow-on study to eliminate several sources of uncertainty identified during AePW-1 (corresponding author: Dave Schuster)
- Analysts' individual papers: processes & results for BSCW & HIRENASD
 - Analyst 1 (corresponding author: Daniella Raveh)
 - Analyst 2 (corresponding author: Dimitri Mavriplis)
 - Analyst 3 (corresponding author: Pawel Chwalowski)
- Open discussion of results, interpretations, and plan going forward

Update: May 30, 2012

- HIRENASD analysts to date:
 - 3 are presenting results at ASM, January 2013
 - 5 have responded positively to joining a special session at IFASD, June 2013