

CALL FOR ABSTRACTS

Workshop on Aeroelastic Certification: Tools, Test, and Decision Making

Purpose: This meeting is the third in a series of workshops on nonlinear aeroelasticity and the aeroelastic certification of aircraft systems. The purpose of this meeting is to draw together representatives from the test, research, and certification communities to discuss how analysis can be used to improve and/or accelerate decisions made in aeroelastic certification processes. We will focus on how modern analysis, numerical tools, previous experience, and flight test data can be effectively “fused” to better support aircraft certifiers. Presentations are solicited that address key questions in aeroelastic certification, such as:

- (1) What level of analysis fidelity is needed/desired for specific configurations?
- (2) How is the appropriate level of fidelity determined?
- (3) How can analysis and flight test be used together to best improve decision making?
- (4) How can analyses, tests, and certifications be viewed stochastically for existing & future aircraft?
- (5) What future technologies could dramatically enhance certification processes?

Date: October 28-29, 2008

Registration Deadline: September 26, 2008

Location: Radisson Poco Diablo Resort, Sedona, AZ

Coordinated Event: The Aerospace Flutter and Dynamics Council (AFDC) will be held in the same location October 30-31, 2008

Abstract/Presentation Guidelines/Deadlines: Technical presentations (limited to five minutes) and invited talks (greater duration) should introduce topics which will stimulate the panel discussions that conclude each session. To present a briefing at this workshop, authors must submit a brief abstract by email to Drs. Beran and Denegri by 29 Aug 2008. Abstracts must be in either Microsoft Word or PDF format. One-page abstracts are preferred. Workshop presentations will be collected and distributed to attendees following the meeting and should be cleared for public-domain distribution. Foreign Nationals are invited to attend & participate in both the workshop and the AFDC meeting.

Tentative Workshop Schedule:

Tuesday, 28 Oct 2008:

Registration with Continental Breakfast	7:30- 8:30
Opening Comments/Keynote Address	8:30- 9:30
Invited Talks/Technical Presentations/Panel	9:45-11:45
Lunch (w/ speaker)	12:00-1:15
Invited Talks/Technical Presentations/Panel	1:30-4:30
Dinner	5:30~

Wednesday, 29 Oct 2008:

Continental Breakfast	7:30-8:30
Invited Talks/Technical Presentations/Panel	8:30-11:30
Lunch	11:45-1:00
Technical Panel wrap-up/Closing Comments	1:15-3:45
Reception	5:30~

Technical Organizing Committee:

Workshop General Co-Chairs: Dr. Philip Beran [Philip.Beran@wpafb.af.mil] (Air Force Research Laboratory, AFRL); and Dr. Chuck Denegri [Charles.Denegri@eglin.af.mil], (Air Force SEEK EAGLE Office); Technical Chair: Lt. Col. Philip Morgan, Ph.D. (AFRL); Mr. Faustino Zapata (Aeronautical Systems Center); Mr. Bill Anderson (AFDC); Dr. John Schmisser (Air Force Office of Scientific Research, AFOSR).

Sponsor: ZONA Technology Inc.; see <http://www.zonatech.com> for additional Workshop/AFDC information.