

• **From:** Tobias, Aaron [ACTobias@cessna.textron.com]  
**Sent:** Thursday, May 10, 2012 10:54 AM  
**To:** Laurie Simmons  
**Cc:** Girard, Maurice  
**Subject:** 56th Symposium Abstract Submittal  
**Envelope Expansion Dives: Refining Build-up Techniques**  
Aaron Tobias (M) & Maurice "Moe" Girard (AF), Cessna Aircraft Company

Several recent flight tests have resulted in Mach overshoot events attributable to variations in atmospheric conditions during the test. Additionally, with structural mode excitation susceptibility amplified by load factor, careful consideration must be given to evaluating and planning around recovery techniques for a given atmospheric environment. This presentation will illustrate a significant aileron buzz event encountered on a recent Mach dive test flight, and discussion of other recent constant Mach flight test events and lessons learned. From these events, recommendations on test techniques to avoid or take advantage of atmospheric variations, and how to employ load factor to predict structural excitation, will be highlighted.

--2012 Flight Test Safety Workshop Best Presentation Award--

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**From:** Laurie Simmons [mailto:laurie@setp.org]  
**Sent:** Monday, May 07, 2012 3:52 PM  
**To:** Tobias, Aaron  
**Subject:** REMINDER - Call For Papers Deadline Quickly Approaching!

## **THE SOCIETY OF EXPERIMENTAL TEST PILOTS**

### **56<sup>th</sup> SYMPOSIUM & BANQUET**

**Anaheim, California**

**26 - 29 September 2012**

**CALL FOR PAPERS**

**31 May Abstract Deadline is only 24 days away!**

The 2012 Symposium and Banquet will be held 26-29 September 2012 at The Grand Californian Hotel, California.

Abstracts should be a 50-word or more outline of the specific scope and highlight of your chosen topic. **The deadline for abstracts is 31 May 2012.**

Papers must be technically oriented with a safety or efficiency/effectiveness focus rather than sales oriented. Also avoid direct reference to competing systems. If you have specific questions, please call Laurie at SETP headquarters, 661-942-9574.

The Ray E. Tenhoff Award and cash honorarium will be awarded during the banquet program to the person presenting the best all-around technical paper. In addition, a trophy and cash honorarium will also be awarded for the paper that best addresses the efficiency/effectiveness focus area.

Email or mail all abstracts to:

SETP Headquarters

Attn: Mr. Pat Duffy, Symposium Chairman

P.O. Box 986

Lancaster, California 93584-0986

Email: [Laurie@setp.org](mailto:Laurie@setp.org)