

**SPOUSE'S EVENT**

26 September 2013  
9:00am - Sequoia Foyer

**CONTINENTAL BREAKFAST**

7:00am - 8:30am, Thursday, 26 September 2013  
Sequoia Foyer

**OPENING CEREMONIES**

Sequoia Ballroom  
8:30am - 8:45am, Thursday, 26 September 2013

General Chairman:

Col Roderick Cregier, USAF (AF)

Symposium Chairman:

William Gray (AF), USAF Test Pilot School

**SESSION I**

8:45am - 12:15pm, Thursday, 26 September 2013  
Chairman: Jan Lindström (M), FMV

8:45am - 9:15am

**“Takeoff Performance on Airbus SA Family Fitted With Large Winglets”**

Etienne de Malleray (AF), Airbus

9:15am - 9:45am

**“Development and Certification Flight Tests of the Thrush S2R-H80 Agricultural Aircraft”**

Leo Janssens (F), Aviation Consultants International  
Ralph Kimberlin (AF), KCAS

9:45am - 10:15am

**“XC-2 Flight Testing Progress Report”**

Capt Yohei Miyasaka, JASDF  
Maj Timoki Ito, JASDF

**10:15am - 10:45am - Coffee Break**

10:45am - 11:15am

**“X-51A Scramjet Demonstrator: Victory Following an Evolution of Incremental Success”**

Lt Col Timothy Jorris, USAF  
Capt Thomas Meagher, USAF (PAM)

11:15am - 11:45am

**“Next-Next Generation Auto-GCAS Testing: An Application of 30 Years of Lessons Learned”**

Kevin Prosser (AF), Calspan Corporation

11:45am - 12:15pm

**“SpaceShipTwo - The Road to Rocket-Powered Flight Test”**

Mike Alsbury (M), Clint Nichols (M),  
Mark Stucky (AF)  
Scaled Composites

**12:15pm - 2:00pm LUNCH -  
No formal luncheon is scheduled**

**SESSION II**

2:00pm - 5:30pm, Thursday, 26 September 2013  
Chairman: Richard Lee (M), Boeing

2:00pm - 2:30pm

**“Stalling Transport Aircraft”**

Paul Bolds-Moorehead, Van Chaney (M), Boeing  
Terry Lutz (AF), Stephane Vaux, Airbus

2:30pm - 3:00pm

**“V-22 Aerial Refueling Flight Test Techniques”**

Maj Jason Jewell, USMC (M)

3:00pm - 3:30pm

**“Building Your Defenses Against Murphy’s Law”**

Gerald Whites (AF), Darren McDonald, Boeing

**3:30pm - 4:00pm - Coffee Break**

4:00pm - 4:30pm

**“Piloting Technique and Risk Mitigation of Vmu Test for the Geometry Limited Aircraft”**

Zhao Peng (M), Chinese Flight Test Establishment

4:30pm - 5:30pm

**“A Tragic First - Gulfstream G650 Flight Test Accident”**

Paul Donovan, Jake Howard (AF)  
Gulfstream Aerospace Corporation

**CONTINENTAL BREAKFAST**

7:00am - 8:00am, Friday, 27 September 2013  
Sequoia Foyer

**SESSION III**

8:00am - 11:30am, Friday, 27 September 2013  
Chairman: Stuart Rogerson (M), Cessna Aircraft

8:15am - 8:45am

**“C-17 Tailwind Envelope Expansion”**

Maj Zachary Schaffer, USAF (M)  
Maj Eric Bippert, USAF (M)

8:45am - 9:15am

**“Trimming the Embraer KC390 Active Sidestick”**

Capt Eduardo Menini (M), Wilson Neto,  
Augusto Neto  
Embraer S.A.

9:15am - 9:45am

**“Betty Has the Aircraft: Automatic Air Collision Avoidance System Testing”**

James Hayes (PAM), Michael Pacini (PAM),  
Maj Tucker Hamilton, USAF (AM)

**“How To Make A Plan To Protect Your Family”  
Spouse’s Q&A Session**

9:30am - SETP Hospitality Suite # 6314

**9:45am - 10:00am - Coffee Break**

10:00am - 10:30am

**“Reverse Engineering Crosswind Limits - A New Flight Test Technique?”**

Troy Asher (AF), Brian Strovers, Tim Williams (M)  
NASA DFRC

10:30am - 11:00am

**“Certification Flight Testing of the King Air 250”**

James Young (M), AeroTEC  
Robert Stoney (AF), FAA

11:00am - 11:30am

**“Project Stratos - A Jump From Near Space”**

Joe Kittinger (F), Col Joe’s Adventures, LLC

**LUNCHEON**

**Sequoia Ballroom**

**12:30pm - 2:00pm**

**Guest Speaker**

**Lt Gen George Muellner, USAF (Ret) (F)**

**“Acquisition Program Overruns -  
Is T&E the Problem or the Solution?”**

**SESSION IV**

2:30pm - 5:45pm, Friday, 27 September 2013  
Chairman: CDR Andrew McFarland, USN (AF)

2:30pm - 3:00pm

**“External Weapons Certification on the P-8I”**

Christopher Dobb (AF), Norman Howell (AF)  
The Boeing Company

3:00pm - 3:30pm

**“A Better Way to Monitor Flight Tests in the Control Room: Limits-Based Displays”**

William Kuhlemeier, Lockheed Martin

3:30pm - 4:00pm

**“Training Plus Automation:  
A Winning Combination”**

Rogers Smith (F), Smith Aero

**4:00pm - 4:15pm - Coffee Break**

4:15pm - 4:45pm

**“KC-30A Air-Air Refueling Testing -  
An Australian Approach”**

Flt Lt David Bell, RAAF (M)  
Flt Lt Tim Spackman, RAAF

4:45pm - 5:15pm

**“F-15E TRIDENT Missile Surrogate Testing”**

Maj Tucker Hamilton, USAF (AM)

5:15pm - 5:45pm

**“F-35B Short Take Off”**

Peter Wilson (M), BAE Systems  
Dan Levin (AF), Lockheed Martin

**FRIDAY NIGHT RECEPTION**

6:30pm - 9:30pm - Dinner Reception at The Magic Kingdom Lawn  
at the Disneyland Hotel

**CONTINENTAL BREAKFAST**

7:45am - 8:45am, Saturday, 28 September 2013  
Sequoia Foyer

**SESSION V**

8:45am - 12:00pm, Saturday, 28 September 2013  
Chairman: Nils Larson (AF), NASA

9:00am - 9:30am

**“The Empire Test Pilot School:  
70 Years of Flight Test”**

Cdr Mark MacLeod, RN (M)

9:30am - 10:00am

**“Designing, Building, and Flying a Wright B Flyer  
Look-A-Like Aircraft”**

Thomas Walters (M), Wright B Flyer, Inc.

10:00am - 10:30am

**“Of Tallships and Spaceships...”**

Lt Col Randy Gordon, USAF, PhD (M)

**10:30am - 11:00am - Coffee Break**

11:00am - 11:30am

**“Anatomy of an Accident:  
Hanna Reitsch and Her Flight in the Me 163  
on October 30, 1942”**

Evelyn Crellin, Smithsonian Institution

11:30am - 12:00pm

**“Me, Myself, and I: Who’s the Best Pilot?”**

Art Tomassetti (AF), Lockheed Martin

**THE ANNUAL BUSINESS MEETING WILL BEGIN  
UPON ADJOURNMENT OF THE SYMPOSIUM**

**BANQUET RECEPTION**

**SEQUOIA FOYER**

5:30pm - 6:30pm

**AWARDS BANQUET**

**SEQUOIA BALLROOM**

6:30pm

## SYMPOSIUM SPONSORS



*SETP Hospitality Suite Sponsors:*



*The Society wishes to thank Boeing for their audiovisual support*

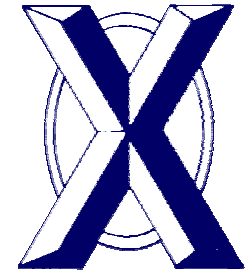


*The Society thanks the National Test Pilot School for podcasting the Technical Program.*



## PROGRAM

### THE SOCIETY OF EXPERIMENTAL TEST PILOTS



### 57TH SYMPOSIUM AND AWARDS BANQUET

**25-28 SEPTEMBER 2013**

**GRAND CALIFORNIAN HOTEL  
ANAHEIM, CALIFORNIA**

**WELCOME**

The SETP Headquarters and registration will be in the Sequoia Registration Booth and will be open:

Wednesday	25 September, 10:00am - 8:00pm
Thursday	26 September, 7:00am - 5:30pm
Friday	27 September, 7:00am - 6:00pm
Saturday	28 September, 7:00am - 1:00pm

Registration desk will reopen Saturday at 5:00pm

#### SYMPOSIUM AND BANQUET COMMITTEE

General Chairman .....	RODERICK CREGIER
Symposium Chairman.....	WILLIAM GRAY
Luncheon Chairman.....	BRETT PIERSON
Friday Night Reception Chairman .....	IGNACIO LOMBO
New Member Reception Chairman.....	TIM BELOW
Banquet Chairman .....	MARK SHACKELFORD
Displays Chairman.....	DAN VANDERHORST
Dr. Gerry T. Morton , Jr. Technical Tour Chairman.....	
.....	TODD ERICSON
Education Outreach Chairman .....	TIM MCDONALD

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Welcome to The Society of Experimental Test Pilots' 57th International "Report to the Aerospace Profession". Col Rod "Trash" Cregier, USAF (AF) and his Symposium Team have developed an exceptional program with both formal and informal venues to allow a formal exchange of information, as well as facilitate networking and renew personal and professional friendships. Our goal is for you to enjoy this gathering and, most importantly, that you can gain some fresh perspectives to allow you to conduct flight tests more effectively and especially, more safely.

Douglas A. Benjamin  
President, 2012-2013