

CONTINENTAL BREAKFAST - Sequoia Foyer
7:30am - 8:15am, Thursday, 24 September 2015

OPENING CEREMONIES - Sequoia Ballroom
8:15am - 8:30am, Thursday, 24 September 2015

General Chairman:
Doug Shane (F), The SpaceShip Company
Symposium Chairman:
Todd Ericson (AF), Virgin Galactic

SESSION I

8:30am - 12:00pm, Thursday, 24 September 2015
Chairman: Colin Miller (AF), Gulfstream Aerospace

8:30am - 9:00am
**“Gulfstream Aerospace GVII-G500:
First Flight Report and Flight Test Update”**
Scott Martin (AF), Gulfstream Aerospace
Kevin Claffy (AF), Gulfstream Aerospace

9:00am - 9:30am
**“Project MAGIC CARPET: Dramatically Changing
Naval Aviation with \$100,000 ”**
LCDR Brent Robinson, USN (M)
James Denham, Dept. of the Navy

9:30am - 10:00am
**“Old Dog, New Tricks:
Testing the F-16 Hybrid Flight Control System”**
Maj Jameel Janjua, RCAF (PAM)
Maj Corey Florendo, USAF (AM)
Shawn Whitcomb, Lockheed Martin

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

10:30am - 11:00am
**“F-22 Line-in-the-Sky Automatic Ground Collision
Avoidance System (LIS AGCAS)”**
Steve Rainey (F), Lockheed Martin
Maj Kees Allamandola, USAF (M)
Chuck Webb, Dept. of the Air Force

11:00am - 11:30am
**“Modernizing the Safety Process:
Complexity Theory for Flight Test Professionals”**
Dr. Daniel Javorsek, USAF (M)

11:30am - 12:00pm
“Lessons Learned and Murphy’s Corollary”
Michael Meier (M), Wills Wing, Inc.

12:00pm - 1:30pm LUNCH - No formal luncheon

SESSION II

1:30pm - 5:00pm, Thursday, 24 September 2015

1:30pm - 2:00pm
**“Test Hazard Analysis Considerations for
Unmanned Aircraft Systems”**
Dr. Robert Joslin (AF), FAA

2:00pm - 2:30pm
“Test Procedures for Race Propellers”
Elliot Seguin (M), Wasabi Air Racing
Justin Gillen, Wasabi Air Racing

2:30pm - 3:00pm
**“Active Flutter Suppression Flight Testing
Using the X-56A”**
Edward Burnett, Lockheed Martin
Michael Hartenstine (AM), Lockheed Martin

3:00pm - 3:30pm
“High Loads During Unload to 1g...What?!
F/A-18E/F Infrared Search and Track Pod Testing”
LCDR Eric Zilberman, USN (M)
Michael Wallace (AF), Boeing

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

4:00pm - 4:30pm
**“Ouch! Let’s Just Make This One a Full Stop! Steep
Approach Testing on the Citation Latitude”**
Stuart Rogerson (AF), Textron Aviation
Scott Foster (AM), Textron Aviation

4:30pm - 5:00pm
**“F-35: Lessons Learned in Developmental Testing of
the First Production Dynamic Inversion
FBW Control System”**
Dan Canin (AF), Lockheed Martin
Jeff McConnell, Lockheed Martin

Documentary Screening~ Sequoia Ballroom
7:00pm
Special Guest: Robert A. “Bob” Hoover (F)
“Flying the Feathered Edge: The Bob Hoover Project”

CONTINENTAL BREAKFAST - Sequoia Foyer

7:00am - 8:00am, Friday, 25 September 2015

SESSION III

8:00am - 11:30am, Friday, 25 September 2015
Chairman: Lt Col Carrie Reinhardt, USAF (M)

8:00am - 8:30am
**“The E-6 Program Taught Me the
Realities of Flight Test”**
Gerald Whites (F), Boeing

8:30am - 9:00am
**“Lessons Learned from Airbus A400M
Atlas UK Entry into Service (Eis)”**
Flt Lt Steve Whitnall, RAF
SqN Ldr Glen Willcox, RAF

9:00am - 9:30am
**“Maintaining Relevance in the Midst
of Dramatic Strategic Change”**
Donald Sheesley (AF), Dept. of the Air Force
Dan Vanderhorst (F), JT3, LLC

9:30am - 10:00am - Coffee Break

10:00am - 10:30am
**“Beware the Frankenstein Trial: Integrated Night
Vision and Testing the Striker II HMD”**
Peter Kosogorin (AF), BAE Systems

10:30am - 11:00am
**“F-35A High Angle of Attack:
Finding the Anti-Spin Mode”**
David Nelson (AF), Lockheed Martin
Jason Bergan, Lockheed Martin

11:00am - 11:30am
**“SPACEJAM: Testing a New Capability of Testing
and Training in GPS-Jammed Environment”**
Capt David Levene, USAF
Capt Jonathan Gilbert, USAF (M)

LUNCHEON ~ Sequoia Ballroom
12:30pm – 2:00pm
Guest Speaker:
Orlando Carvalho, Lockheed Martin

“Aerospace: Past, Present and Future”

SESSION IV

2:30pm - 5:15pm, Friday, 25 September 2015

2:30pm - 3:00pm
**“Variable Stability Learjet -
First Flights of an Old Airplane with a New VSS”**
Zachary McCarley (M), Calspan Corporation

3:00pm - 3:30pm
**“Water Ingestion Tests and Analysis
of ARJ-21-700 Aircraft”**
Zhao Peng (AF), Chinese Flight Test Establishment

3:30pm - 3:45pm
“State of the Society”
Mark Stucky (F), Virgin Galactic
SETP President

3:45pm - 4:15pm - Coffee Break

4:15pm - 4:45pm
“F-35: From Supersonic STEALTH to STOVL”
Dan Levin (AF), Lockheed Martin
Peter Wilson (M), BAE Systems

4:45pm - 5:15pm
**“SpaceShipTwo Lessons Learned
and Trajectory Forward”**
David Mackay (M), Virgin Galactic
Mark Stucky (F), Virgin Galactic

FRIDAY NIGHT RECEPTION

6:30pm - 9:30pm - Dinner Reception on
The Magic Kingdom Lawn at the Disneyland Hotel
(continuous transportation to the event will be located at the
SETP Registration Desk beginning at 6:15pm)

CONTINENTAL BREAKFAST - Sequoia Foyer
7:45am - 8:45am, Saturday, 26 September 2015

SESSION V

8:45am - 12:00pm, Saturday, 26 September 2015
Chairman:
Troy Fontaine (AF), Dept. of Homeland Security

9:00am - 9:30am
**“Harnessing the Sky - The Story of the Pioneering
Test Pilot Who Led the Navy from Biplanes to Jets”**
Frederick Trapnell

9:30am - 9:50am
“Aircraft Cabin Airflow: Curbing Disease Spread”
Raymond Wang, 2015 Intel ISEF Winner

9:50am - 10:20am
“Better Be Lucky When You’re Not Good”
Art Tomassetti (F), Lockheed Martin

10:20am - 10:50am – Coffee Break

10:50am - 11:35am
“Fatal Accident of the X-15-3: The Human Factors”
Immanuel Barshi, NASA Ames Research Center

11:35am - 12:05pm
**“StratEx - A Scuba-like System for
Stratospheric Exploration”**
Alan Eustace, Nspiratron, LLC

**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



ETPS



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.



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

Wednesday	23 September, 10:00am - 8:00pm
Thursday	24 September, 7:00am - 5:00pm
Friday	25 September, 7:00am - 5:30pm
Saturday	26 September, 7:00am - 1:00pm

Registration desk will reopen Saturday at 5:30pm

SYMPOSIUM AND BANQUET COMMITTEE

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Symposium Chairman	TODD ERICSON
Luncheon Chairman.....	JIM BROWN
New Member Reception Chairman	TIM BELOW
Banquet Chairman	ART TOMASSETTI
Displays Chairman	DAN VANDERHORST
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PROGRAM

THE SOCIETY OF EXPERIMENTAL TEST PILOTS



59TH SYMPOSIUM AND AWARDS BANQUET

23-26 SEPTEMBER 2015

GRAND CALIFORNIAN HOTEL ANAHEIM, CALIFORNIA

WELCOME

Welcome to The Society of Experimental Test Pilots' 59th International "Report to the Aerospace Profession". Doug Shane (F), The SpaceShip Company, 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.

Mark Stucky
President, 2014-2015