

**CONTINENTAL BREAKFAST - Sequoia Foyer**  
7:30am - 8:15am, Thursday, 22 September 2016

**OPENING CEREMONIES - Sequoia Ballroom**  
8:15am - 8:30am, Thursday, 22 September 2016

General Chairman:  
Terry Tomeny (F), TomenyAero

Symposium Chairman:  
Troy Fontaine (AF), U.S. Customs & Border Protection

**SESSION I**

8:30am - 12:00pm, Thursday, 22 September 2016  
Chairman: Lt Col Darren Wees, USAF (M)

8:30am - 9:00am

**“Not Your Normal Shake:  
Carrier Suitability Testing of the IRST Pod”**  
LT William Dann, USN (PAM)  
LCDR Daniel Radocaj, USN (M)

9:00am - 9:30am

**“WhiteKnightTwo - VMC Testing the Mothership”**  
Todd Ericson (AF), Virgin Galactic  
Mark Stucky (F), Virgin Galactic

9:30am - 10:00am

**“Aerial Refueling Probe Oscillation Testing  
of the HH-60G”**  
Maj Derek Spear, USAF (M)  
Julie Clark, JT3, LLC

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

10:30am - 11:00am

**“C Series: Bombardier’s First Fly By Wire Aircraft -  
Flight Test Results and Lessons Learned”**  
Maurice Girard (F), Bombardier Aerospace  
Rich Ling (M), Bombardier Aerospace

11:00am - 11:30am

**“Fool Me Once...Lessons Learned from Testing the  
F-16 Hybrid Flight Control System”**  
Maj Jameel Janjua, RCAF (M)  
Maj Joseph Schenkel, USAF (PAM)

11:30am - 12:00pm

**“Ski-Jumping the Light Combat Aircraft (Navy)”**  
Commodore Jaideep Avinash “Mao” Maolankar  
Dr. Amitabh Saraf, Aeronautical Dev. Agency  
Capt Shivnath “Dax” Dahiya, Indian Navy (M)

**12:00pm - 1:45pm LUNCH - No formal luncheon**

**SESSION II**

1:45pm - 5:00pm, Thursday, 22 September 2016  
Chairman: John Tougas (AF), Boeing

1:45pm - 2:15pm

**“Handling Qualities Stress Testing Revisited”**  
Kevin Prosser (F), Gulfstream Aerospace

2:15pm - 2:45pm

**“MV-22B Osprey Shipboard  
Rolling Takeoff and Landing”**  
Maj J. Travis Stephenson, USMC (PAM)  
Nicholas Foreman, Dept. of the Navy

2:45pm - 3:15pm

**“ROBOCUT - Man Vs. Machine in VMCG Testing”**  
Mike Bryan (AF), The Boeing Company  
Darren McDonald, The Boeing Company

**3:15pm - 3:30pm - Coffee Break**

3:30pm - 4:00pm

**“Seaplane Longitudinal Stability Limits  
Flight Test Techniques”**

Peng Zhao (AF), Chinese Flight Test Establishment  
Guo Yongguan, Chinese Flight Test Establishment  
Sun Kangning, Chinese Flight Test Establishment  
Liu Jing, Chinese Flight Test Establishment

4:00pm - 4:30pm

**“Fly-By-Wire Eagle: Lessons Learned from F-15SA”**  
Maj Robert Waller, USAF (PAM)  
Maj Casey Richardson, USAF (M)

4:30pm - 5:00pm

**“Initial Flight Testing of the  
Stratospheric Perlan 2 Sailplane”**  
James Payne (M), Perlan Project, Inc.  
Miguel Iturmendi (M), Airborne Engineering Dynamics

**THURSDAY NIGHT RECEPTION**

6:30pm - 8:30pm - Dinner Reception at  
**Paradise Garden Grill in California Adventure**  
Attendees will have access to California Adventure beginning at  
5pm. Exclusive access to Soarin’ Over the World attraction from  
8:30pm - 10:00pm

**CONTINENTAL BREAKFAST - Sequoia Foyer**

7:00am - 8:00am, Friday, 23 September 2016

**SESSION III**

8:00am - 11:30am, Friday, 23 September 2016  
Chairwoman: Jennifer Henderson (M), Boeing

8:15am - 8:45am

**“Cleared to What? F-35 Landing Testing”**  
Maj Corey Florendo, USAF (M)  
Andrew Soundy (AF), Lockheed Martin

8:45am - 9:15am

**“Into the Eye: WC-130J Weatherbird Testing”**  
Lt Col Frank Delsing (M), Air Force Research Lab.

9:15am - 9:45am

**“Ground Minimum Control Speed Testing  
of Transport Aircraft”**  
Paul Bolds-Moorehead, The Boeing Company  
Van Chaney (AF), The Boeing Company  
Terry Lutz (F), TLZ Aerospace  
Stephane Vaux, Airbus

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

10:00am - 10:30am

**“Flight Test of the BLUECOPTER Demonstrator:  
Innovative and Eco-Efficient Helicopter Design”**  
Michael Schulz, Airbus Helicopters  
Antoine van-Gent, Airbus Helicopters

10:30am - 11:00am

**“Full Envelope Airspeed Calibration Using a Single  
Turning Acceleration Technique”**  
Nick Beihl (M), USAF  
Capt Juan Jurado, USAF  
Capt Clark McGehee, USAF

11:00am - 11:30am

**“Aircraft Controllability and PFD’s - The Baby is Ugly”**  
Knut Lande (AF), LandAvia, Ltd.

**LUNCHEON ~ Sequoia Ballroom**  
**12:30pm – 2:00pm**

**Guest Speaker: Sean D. Tucker**  
**“Flying with Passion!”**

**SESSION IV**

2:30pm - 5:15pm, Friday, 23 September 2016  
Chairman: Eric Boe (M), NASA

2:30pm - 3:00pm

**“Lessons Learned from the OV-10G+ Rapid  
Warfighter Response Flight Test Program”**  
Maj Jay Zarra, USMC (M)

3:00pm - 3:30pm

**“And the World Turned: Spin Testing the DG-100S”**  
Tim McDonald (AF), USAF Test Pilot School  
Chris Liebmann, USAF Test Pilot School

3:30pm - 4:00pm

**“Autonomous Aerial Refueling Demonstration:  
US Navy X-47B”**  
David Owens, Dept. of the Navy

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

4:15pm - 4:45pm

**“Transport Category Performance Testing of the  
AW609 Civil Tiltrotor”**  
Dan Wells (AF), Leonardo Helicopters  
Paul Edwards (AF), Leonardo Helicopters

4:45pm - 5:15pm

**“The Unique Challenges of Flight Testing  
Suborbital Spacecraft”**  
David Mackay (M), Virgin Galactic  
Mark Stucky (F), Virgin Galactic

**Documentary Screening ~  
Sequoia Ballroom - 7:00pm**  
**“The Last Man on the Moon”**

**CONTINENTAL BREAKFAST - Sequoia Foyer**  
7:30am - 8:30am, Saturday, 24 September 2016

**SESSION V**

8:15am - 11:50am, Saturday, 24 September 2016  
Chairman: Adam MacDonald (AF), AeroVironment

8:30am - 9:00am

**“How to Make a Spaceship”**  
Julian Guthrie  
Brian Binnie (AF), XCOR Aerospace

9:00am - 9:30am

**“Evaluating VMCA in a 1911 Wright B Flyer”**  
Jay Jabour (F), Wright B Flyer, Inc.  
Tom Walters (AF), Plane and Simple Solutions, LLC

9:30am - 10:00am

**“Thrust Vectoring - Revisited”**  
Billie Flynn (F), Lockheed Martin  
Edward Schneider (F), NASA (Ret)  
Rogers Smith (F), Smith Aero

**10:00am - 10:20am – Coffee Break**

10:20am - 10:50am

**“Test Flying the Sopwith Camel”**  
Javier Arango, Aeroplane Collection

10:50am - 11:20am

**“Habu Diplomacy: A Declassified SR-71 Mission to  
Describe Flying in Extreme Environments”**  
Robert Behler (AF), Software Engineering Inst.

11:20am - 11:50am

**“The X-2 and Iven Kincheloe:  
First Flight Above 100,000 Feet”**  
Rusty Lowry (M)  
Elizabeth Lowry

**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



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## SETP Hospitality Suite Sponsors:



**NORTHROP GRUMMAN**

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



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



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

|           |                                |
|-----------|--------------------------------|
| Wednesday | 21 September, 10:00am - 8:00pm |
| Thursday  | 22 September, 7:00am - 5:00pm  |
| Friday    | 23 September, 7:00am - 5:15pm  |
| Saturday  | 24 September, 7:00am - 1:00pm  |

Registration desk will reopen Saturday at 5:30pm

## SYMPOSIUM AND BANQUET COMMITTEE

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|--|-----------------|
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| Symposium Chairman .....                               | TROY FONTAINE   |
| Luncheon Chairman.....                                 | RICHARD LEE     |
| New Member Reception Chairman .....                    | TIM BELOW       |
| Banquet Chairman .....                                 | ART TOMASSETTI  |
| Displays Chairman .....                                | DAN VANDERHORST |
| Dr. Gerry T. Morton , Jr. Technical Tour Chairman..... |                 |
| .....  | KYLE TURCO      |
| Education Outreach Chairman.....                       | TIM MCDONALD    |
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## PROGRAM

### THE SOCIETY OF EXPERIMENTAL TEST PILOTS



### 60TH SYMPOSIUM AND AWARDS BANQUET

21-24 SEPTEMBER 2016

GRAND CALIFORNIAN HOTEL  
ANAHEIM, CALIFORNIA

WELCOME

Welcome to The Society of Experimental Test Pilots' 60th International "Report to the Aerospace Profession". Troy Fontaine (AF), Dept. of Homeland Security, 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.

Timothy "Eel" Morey  
President, 2015-2016