

CONTINENTAL BREAKFAST - Sequoia Foyer
7:00am - 8:00am, Thursday, 27 September 2018

WELCOME/OPENING CEREMONIES
Sequoia Ballroom

8:00am - 8:15am
“State of the Society”
Art “Turbo” Tomassetti (F)
SETP President/Lockheed Martin

SYMPOSIUM TEAM INTRODUCTION

General Chairman:
Rich Lee (F), K2 Aviation
Symposium Chairman:
Brian Sandberg (AF), Lockheed Martin

Thursday Chairman:
Matt Taylor (AF), Northrop Grumman
SESSION I - 8:30am - 11:30am

8:30am - 9:00am
“Testing 21st Century Catapults”
LT Nick Smith, USN (M)

9:00am - 9:30am
“Valid Flight Control Forces for Aircraft Design”
Dr. Robert Joslin (AF), FAA

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

10:00am - 10:30am
**“V-280 Valor First Flight Build Up:
Preparing for a Technology Demonstration”**
Kevin Christensen (AF), Bell
Don Grove (M), Bell
Aleixander McGuinness (M), Bell

10:30am - 11:00am
**“Developing C-17A Control Laws In-Flight:
Three-Axis Aerial-Refueling and Robust Flightpath”**
Maj Patrick Ris, USAF (M)
Maj Duncan Reed, USAF (PAM)
Maj Daniel Edelstein, USAF (PAM)

11:00am - 11:30am
**“Largest, Heaviest Ever:
Aircraft/Store Compatibility Testing of F-2/XASM-3”**
Maj Naoto Kageyama, JASDF
Capt Masahiro Nakamura, JASDF

11:30am - 1:00pm LUNCH - No formal luncheon

SESSION II
1:00pm - 4:30pm, Thursday, 27 September 2018

1:00pm - 1:30pm
“SS2 Rocket-Powered Flight Testing”
Mark Stucky (F), Virgin Galactic/The Spaceship Co.
Dave Mackay (M), Virgin Galactic

1:30pm - 2:00pm
“USNTPS Variable Stability Helicopter”
Barbara Gordon, USNTPS
Mike Mosher, USNTPS
Bill Geyer, USNTPS

2:00pm - 2:30pm
**“New Frameworks for Risk
Management in Flight Test”**
Col Douglas Wickert, USAF (AF)

2:30pm - 3:00pm - Coffee Break

3:00pm - 3:30pm
“Crosswind Testing of Transport Aircraft”
Paul Bolds-Moorehead, The Boeing Company
Van Chaney (AF), The Boeing Company
Terry Lutz (F), Airbus/TLZ Aerospace
Stephane Vaux, Airbus

3:30pm - 4:00pm
**“Decoding NDI: Optimizing Envelope
Expansion of Modern Aircraft”**
Maj Corey Florendo, USAF (M)
Maj Jameel Janjua, RCAF (M)

4:00pm - 4:30pm
“First Flight With Gripen E”
Marcus Wandt (M), SAAB

THURSDAY NETWORKING RECEPTION
Access to California Adventure beginning at 5pm.
6:30pm - 8:30pm - Dinner Reception at
Paradise Garden Grill in California Adventure -

CONTINENTAL BREAKFAST - Sequoia Foyer
7:00am - 8:00am, Friday, 28 September 2018
Friday Chairman: Nigel Speedy (AF), NTPS
SESSION III - 8:00am - 11:30am

8:00am - 8:30am
**“Flight Testing of the
Stratospheric Perlan 2 Sailplane”**
James Payne (AF), Perlan Project
Miguel Iturmendi (M), Perlan Project

8:30am - 9:00am
**“Energy Management Issues in
Highly Automated Cockpits”**
Andrew Skow, Tiger Century Aircraft

9:00am - 9:30am
**“F-35 STOVL Performance
Requirements Verification”**
Dan Levin (AF), Lockheed Martin

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

10:00am - 10:30am
“Good Flow E-2D Aerial Refueling”
LT David Chapelle, USN (PAM)
Nate Atkinson (M), Northrop Grumman

10:30am - 11:00am
**“Three Months Before Tokyo - Lessons in
Innovation from Testing the B-25B”**
Randy Gordon, PhD (M), AFWERX Innovation

11:00am - 11:30am
“Complete Air Data System Calibration: On the Fly”
Maj Juan Jurado, USAF
Capt Clark McGehee, USAF

LUNCHEON ~ 12:30pm – 2:00pm - Sequoia Ballroom
Guest Speaker: Luke Aikens
“Pushing the Boundaries of Human Flight”

SESSION IV
2:30pm - 5:00pm, Friday, 28 September 2018

2:30pm - 3:00pm
**“Water Ingestion Testing of the
Gulfstream GVII-G500”**
David Kern (M), FAA
Scott Martin (AF), Gulfstream

3:00pm - 3:30pm
**“Characterizing Hover Performance
Over Sloped Terrain”**
John Holder (AF), KBRwyle
John Tritschler, USNTPS

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

4:00pm - 4:30pm
“The USAF Light Attack Experiment”
Lt Col Patrick Killingsworth, USAF (M)
Maj Bryan Ralston, USAF
Lt Col Tom Meagher, USAF (M)

4:30pm - 5:00pm
“F-35 Drag Chute Testing”
Maj Martin van de Pol, Royal Netherlands AF (AM)
Maj Eskil Amdal, Royal Norwegian AF (AF)

FRIDAY MOVIE MEET N’ GREET
7:00pm - Sequoia Ballroom
“Toward the Unknown”

CONTINENTAL BREAKFAST - Sequoia Foyer
7:00am - 8:00am, Saturday, 29 September 2018
Saturday Chairman: Rich Zins (M), ATAC
SESSION V - 8:00am - 11:40am

8:00am - 8:30am
**“Lightning Strikes -
Development of the F-35 Flight Demonstration ”**
Billie Flynn (F), Lockheed Martin

8:30am - 9:00am
**“Flight Test of a Japanese Airplane in the
American Northwest”**
Zach McCarley (M), X Flight Test
Tsubasa Okamo, Mitsubishi Aircraft Corporation

9:00am - 9:30am
“Scorpion Flight Test - Speedy Meets Safe”
Dan Hinson (AF), Textron Aviation
Brett Pierson (AF), Textron Aviation

9:30am - 10:00am – Coffee Break

10:00am - 10:30am
**“The Douglas DC-1 / DC-2
Flight Test Program (1933) ”**
Leon Robert (AF), The Boeing Company (Ret)

10:30am - 11:00am
“Envelope Expansion of an Electric VTOL Aircraft”
Raymond Schreiner (M), Kitty Hawk Corporation
Bill Shoemaker (M), Boom Supersonic

11:00am - 11:30am
**“RefleXions: LearFan - Design History, Problems and
Resolutions, Flight Test Lessons Learned”**
Joe Brownlee (AF), JAB Aerospace, LLC

11:30am - 11:40am
“Flight Test Safety Committee Update”
Tom Huff (AF), FTSC Chairman/Gulfstream

**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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The Society wishes to thank Boeing for their continuous audiovisual support each year



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

Wednesday	26 September, 10:00am - 8:00pm
Thursday	27 September, 7:00am - 4:30pm
Friday	28 September, 7:00am - 5:00pm
Saturday	29 September, 7:00am - 12:00pm

Registration desk will reopen Saturday at 5:30pm

SYMPOSIUM AND BANQUET COMMITTEE

General Chairman.....	RICH LEE
Symposium Chairman	BRIAN SANDBERG
Luncheon Chairman.....	SCOTT URSCHEL
New Member Reception Chairman	BILL CONNOR
Banquet Chairman	BRETT VANCE
Displays Chairman	DAN VANDERHORST
Technical Tour Chairman	MARK STUCKY
Education Outreach Chairman.....	TIMOTHY MCDONALD
Sponsorship Chairwoman	LAURIE BALDERAS

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PROGRAM

THE SOCIETY OF EXPERIMENTAL TEST PILOTS



62ND SYMPOSIUM AND AWARDS BANQUET

26-29 SEPTEMBER 2018

GRAND CALIFORNIAN HOTEL
ANAHEIM, CALIFORNIA

WELCOME

Welcome to The Society of Experimental Test Pilots' 62nd International "Report to the Aerospace Profession". Brian Sandberg 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.

Art "Turbo" Tomassetti
SETP President, 2017-2018