

CONTINENTAL BREAKFAST - Sequoia Foyer
7:00am - 8:00am: Thursday, 25 September 2025

8:00am - 8:30am - Sequoia Ballroom
OPENING CEREMONIES: SETP President
Andrew McFarland (AF)
Airborne Tactical Advantage Company

SYMPOSIUM TEAM INTRODUCTION
General Chairman:
Shawn Kern (AF), NASA

Symposium Chairman:
Lt Col Bryan Kelly, USAF (AF)

Thursday Chair:
Col Justin Elliott, USAF (M)
SESSION I - 8:30am - 12:00pm

8:30am - 9:00am
“Departing the T-7A From Controlled Flight; A Discussion on the High Angle of Attack Envelope Expansion Campaign”
Steve Schmidt (AF), The Boeing Company
Lt Col Jonathan Aronoff, USAF (M)
Evan Thomas (F), The Boeing Company

9:00am - 9:30am
“Hermeus Quarterhorse MK. I: The Buildup and Execution of the Program First Flight”
Jeremy Vanderhal, Hermeus
Brett Pugsley (M), NASA

9:30am - 10:00am
“Risk, Reward and Rapid Fielding – Rockets on Eagles”
Maj Brian Herring, USAF (M)
Col Alec Spencer, USAF (AF)
Maj Zachary Purser, USAF

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

10:30am - 11:00am
“Northrop Grumman’s Approach to Model Validation, Providing Optimized Lab and Flight Testing”
Anton VanderWyst, Ph.D., Northrop Grumman
Sean Borrer (AF), Northrop Grumman
Michael Rabens (F), Northrop Grumman

11:00am - 11:30am
“Calibrating Pilot Awareness in Autonomous Combat Aircraft”
Maj Kyle Smith, USAF (M)
Thomas Schnell (M), University of Iowa

11:30am - 12:00pm
“Pincing the Ice: Eurofighter Typhoon Low Friction Runway Testing”
Sqn Ldr Jim Fordham, RAF (PAM)
Flt Lt Matthew Lyen, RAF
Flt Lt Max McNamara, RAF (PAM)
Lt Col Austin Baker, USAF (AM)

12:00pm - 2:00pm LUNCH - No formal luncheon

SESSION II
2:00pm - 5:00pm: Thursday, 25 September

2:00pm - 3:00pm
PANEL DISCUSSION | Maj Daniel Harp, USAF (AM)
“Promise and Peril in the Digital Engineering Approach to Test”
Ed Tlegenov, AutoDesk
Col James Valpiani, USAF (M)
Anton VanderWyst, Northrop Grumman
Brig Gen Doug Wickert, USAF (AF)

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

3:30pm - 4:00pm
“Design and Evaluation of Sidestick Characteristics for a Fly-by-Wire Spaceship”
Andy Edgell (AF), Virgin Galactic
David Klyde, Ph.D., Virgin Galactic
Jack Heneghan, Virgin Galactic
Ryan Edmonson, Calspan LLC

4:00pm - 4:30pm
“Improving Flight Safety in External Store Separation with Probabilistic Methods”
Maj Marcus Preisighe Viana, Brazilian AF
Maj Bruno Candido de Paula, Brazilian AF

4:30pm - 5:00pm
“Lessons Learned from Stratolaunch’s Talon-A Initial Reusable Hypersonic Flights”
David Fedors (AF), Stratolaunch
Jonathan Bearce (M), Stratolaunch
Seth Weil, Stratolaunch

THURSDAY EVENING NETWORKING DINNER
Adventure Lawn at The Disneyland Hotel
6:30pm - 11:00pm

CONTINENTAL BREAKFAST - Sequoia Foyer
7:00am - 8:00am: Friday, 26 September 2025

Friday Chair:
CDR Chris Montague, USN (M)
SESSION III - 8:00am - 11:30am

8:00am - 8:30am
“Evaluation of a Mixed-Reality Headset Using the SIMulated Day Useable Cue Environment Paradigm”
Peter Zaal, NASA Ames Research Center
1st Lt Lorenzo Comelli, Italian Air Force
Vikrant Sharma, National Test Pilot School

8:30am - 9:00am
“Envelope Expansion of an Independently Developed Supersonic Demonstrator Aircraft”
Tristan Brandenburg (M), Boom Supersonic
Erin Young, Boom Supersonic

9:00am - 9:30am
“Evolving HQRI Controls: So Easy a Caveman Can Fly It!”
Kevin Christensen (AF), Bell Textron Inc.

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

10:00am - 10:30am
“F-35B Shipboard Testing Aboard JS Kaga ”
Lt Cdr Nick Baker, RN (M)
James Kwong, BAE Systems

10:30am - 11:00am
“Towards a Real-Time Simulator for Aerodynamics and Flying Qualities”
Maj Daniel Harp, USAF (AM)
LT Christopher Hamilton, USN (PAM)
Keith Peskosky, Dept. of the Air Force
Capt Michael Crump, USAF

11:00am - 11:30am
“Look Ma! No Ejection Seat: Safe Progression to eVTOL Wingborne Transition”
James Denham (M), Joby Aviation
Peter Wilson (AF), Joby Aviation

LUNCHEON: 12:30pm - 2:00pm
Sequoia Ballroom
Guest Speaker: Alan Eustace
“Stratospheric Exploration”

SESSION IV
2:30pm - 5:00pm: Friday, 26 September

2:30pm - 3:30pm
PANEL DISCUSSION | Ted Meek (AF), The Boeing Co.
“Building the Digital Infrastructure to Support Autonomy Testing”
Capt Abraham Eaton, USAF
CAPT David Halpern, USN
Maj Josh Rountree, USAF
Adam Yingling, NASA

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

4:00pm - 4:30pm
“Enter the Dragon: First Flight & Envelope Expansion of a Technology Demonstrator”
Lt Col Sean Siddiqui, USAF (M)

4:30pm - 5:00pm
“Becoming Bayesian -- High-Risk Decisions Under Uncertainty at Edwards AFB”
Brig Gen Doug Wickert, USAF (AF)

FRIDAY NIGHT MIXER
Conference Area - The Grand Californian Hotel
8:00pm - Midnight

CONTINENTAL BREAKFAST - Sequoia Foyer
7:00am - 8:00am: Saturday, 27 September 2025

Saturday Chair:
David Zahn (M), NASA
SESSION V - 8:00am - 11:30am

8:00am - 8:30am
“Heeding the Call: Flight Testing the Runway Occupancy Awareness System”
Benjamin Hirsh, Textron Aviation
Nicholas Carvo, Textron Aviation

8:30am - 9:00am
“Model 437 Vanguard: Approaching Risk in a Rapid Development Environment”
Brian Maisler (AF), Scaled Composites
Jacob Varhus, Scaled Composites

9:00am - 9:30am
“Lessons Learned From Aircraft Accidents in Powered-Lift and Fly-By-Wire Designs”
Martin Shubert (AF), Tiltrotor Flight Test Consulting LLC
David Sizoo (M), David Sizoo Aviation Consulting

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

10:00am - 10:30am
“F-5 Departure Recovery Aid Flight Test Program”
Scott Glaser (M), Tactical Air Support Inc.
Brian Maisler (AF), Jupiter

10:30am - 11:00am
“P-51 Mustang: Torque Roll...Debunking the Myth”
Lee Lauderback (M), Stallion 51 Corporation
Scott Urschel (M), Pylon Aviation

11:00am - 11:30am
“Go Big or Go Home: The World’s Largest Closed-loop Wind Tunnel Test for the P-8A/AAS Configuration, and Asymmetric Ways to Mitigate Flight Risks for Large Scale Aircraft Modifications”
Doug Desrochers (M), Dept. of the Navy

THE ANNUAL BUSINESS MEETING WILL BEGIN UPON ADJOURNMENT OF THE SYMPOSIUM

AWARDS BANQUET - SEQUOIA BALLROOM
Reception 5:30pm / Banquet 6:30pm

AUDIO/VISUAL SUPPORT



PLATINUM SPONSORS



GOLD SPONSORS



SILVER SPONSORS



BRONZE SPONSORS



The SETP Headquarters and registration desk will be in the Sequoia Foyer of The Grand Californian Hotel and will be open:

Wednesday: 24 September, 12:00pm - 8:00pm
Thursday: 25 September, 7:00am - 5:15pm
Friday: 26 September, 7:00am - 5:15pm
Saturday: 27 September, 7:00am - 12:00pm
(Reopens at 5:30pm for the Banquet)

SYMPOSIUM AND BANQUET COMMITTEE

General Chair SHAWN KERN
Symposium Chair BRYAN KELLY
Luncheon Chair ANDY EDGELL
Banquet Chair ART TOMASSETTI
Displays Chair JEFFREY MABRY
Technical Tour Chair GLENN GRAHAM
Education Outreach Chair KEVIN GROSS
Sponsorship Chair LAURIE BALDERAS

BOARD OF DIRECTORS

President ANDREW MCFARLAND
Vice President WILLIAM KOYAMA
Secretary JUSTIN PAINES
Treasurer DAN HINSON
Legal Officer MICHAEL LIPPERT
Executive Adviser JOHN TOUGAS
President-Elect KELLY LATIMER
Technical Adviser JAMEEL JANJUA
Technical Adviser KERRY SMITH
Canadian Section Representative PERRY COMEAU
Central Section Representative JACK WATERS
East Coast Section Representative JOHN O'CONNOR
European Section Representative GIDEON SINGER
Great Lakes Section Representative JASON WIERZBANOWSKI
Indian Section Representative VISHAL VERMA
Northwest Section Representative MICHAEL KINGEN
Southeast Section Representative PAUL STEELE
Southwest Section Representative TONY WILSON
West Coast Section Representative SCOTT GLASER
Executive Director LAURIE BALDERAS

PROGRAM

**THE SOCIETY OF
EXPERIMENTAL TEST PILOTS**



**69TH ANNUAL SYMPOSIUM
AND AWARDS BANQUET**

24-27 SEPTEMBER 2025

DISNEY'S GRAND CALIFORNIAN
HOTEL & SPA
ANAHEIM, CALIFORNIA

WELCOME

Welcome to The Society of Experimental Test Pilots' 69th International "Report to the Aerospace Profession". Shawn Kern (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.

Andrew McFarland (AF)
Airborne Tactical Advantage Company
SETP President, 2024-2025