

**CONTINENTAL BREAKFAST - Sequoia Foyer**  
7:00am - 8:00am, Thursday, 26 September 2024

**8:00am - 8:30am - Sequoia Ballroom**  
**WELCOME/OPENING CEREMONIES**  
John Tougas (AF), The Boeing Company  
SETP President

**SYMPOSIUM TEAM INTRODUCTION**  
**General Chairman:**  
William Koyama (AF), Northrop Grumman

**Symposium Chairman:**  
LtCol Michael Lippert, USMC (M)

**Thursday Chairman:**  
**Lt Col Philip Jackson, USAF (M)**  
**SESSION I - 8:30am - 12:00pm**

8:30am - 9:00am  
**“Lessons From Developing a 5th Gen  
Surrogate Training Aircraft”**  
Thiago Macedo (M), International Test Pilots School  
David Lohse (M), International Test Pilots School

9:00am - 9:30am  
**“Something Old, Something New - Electra Aero”**  
Cody Allee (M), ABSI Aerospace & Defense  
Christopher Courtin, Electra.Aero

9:30am - 10:00am  
**“Accurate Pressure-Derived AOA  
With Practical Application”**  
Terry Lutz (F), TLZ Aerospace  
Michael Vaccaro, FlyOnSpeed

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

10:30am - 11:00am  
**“Testing the Advanced Tiger:  
Flight Test of the Next Generation Aggressor”**  
Scott Glaser (M), Tactical Air Support, Inc.  
Mark Bruington (AM), Tactical Air Support, Inc.

11:00am - 11:30am  
**“Lessons Learned From KF-21 Air-to-Air Refueling  
Flight Test in Republic of Korea Air Force”**  
Maj Jaejin Bae, RoKAF  
Lt Col Dong-kyu Lee, RoKAF

11:30am - 12:00pm  
**“A Tale of Three Test Plans”**  
Maj Kenneth Endicott, USMC (PAM)  
LT Sean Hadley, USN

**12:00pm - 1:50pm LUNCH - No formal luncheon**

**SESSION II**  
**1:50pm - 5:30pm, Thursday, 26 September 2024**

2:00pm - 2:30pm  
**“Using an Old Tool in A New Way:  
Adapting Handling Qualities Stress Testing  
On A Transport Airplane”**  
Kevin Prosser (F), Gulfstream  
Nathaniel Rutland, Gulfstream

2:30pm - 3:00pm  
**“Flight Test Validation of Integrated  
Reality In-Fight Simulation (IRIS)”**  
Perry Comeau (AF), National Research Council Canada

3:00pm - 3:30pm  
**“A Data-Based Architecture for  
Flight Test Without Test Points”**  
Maj D. Isaiah Harp, USAF (AM)  
1st Lt Joshua Ott, USAF

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

4:00pm - 4:30pm  
**“Filtered Rayleigh Scattering for Thrust (FRST):  
A New Way for In-Flight Thrust Measurement”**  
Al Krejmas, Pratt Whitney  
Todd Lowe, Virginia Tech

4:30pm - 5:00pm  
**“Dynamic Non-Linear Displays –  
No More Compromises!”**  
John Maris (AF), Cert Center Canada

5:00pm - 5:30pm  
**“High AOA Flight Test Methodology  
Without Spin Chute for JASDF F-2”**  
Maj Toru Otsu, JASDF  
Capt Kunihisa Gamo, JASDF

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

**CONTINENTAL BREAKFAST - Sequoia Foyer**  
7:00am - 8:00am, Friday, 27 September 2024  
**Friday Chairwoman:**  
**Rebecca Shaw Lawler (M), United Airlines**  
**SESSION III - 8:00am - 11:30am**

8:00am - 8:30am  
**“Everyone Who Knows That is Dead: A B-1 Story”**  
Lt Col Gregory Marcus, USAF (M)  
Maj Bryan Balkenbush, USAF (M)  
John Shinoskie, Modern Technology Solutions, Inc.  
Lt Col Scott Pontzer, USAF (M)

8:30am - 9:00am  
**“Building and Flight Testing a Wing  
for a Formula One Race Airplane”**  
JP O’Dell (AM)

9:00am - 9:30am  
**“First Flight of a Supersonic Demonstrator Aircraft”**  
William Shoemaker (AF), Boom Supersonic  
Tristan Brandenburg (M), Boom Supersonic

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

10:00am - 10:30am  
**“Lessons Learned from Stratolaunch's  
Talon-A First Powered Flight”**  
David Fedors (AF), Stratolaunch  
Jake Ward, Stratolaunch  
Steve Rainey (F), National Test Pilot School

10:30am - 11:00am  
**“B-21 Road to First Flight”**  
Christopher Moss (AF), Northrop Grumman  
Col Clifton Bell (AM), USAF  
Brendan McMahon, Northrop Grumman  
Lt Col Mitch Pohlman, USAF

11:00am - 11:30am  
**“Road Map to the First Flight of KAAAN”**  
Huseyin Erman Ozer, Turkish Aerospace  
Ahmet Yumnu Barbaros Demirbas (M), Turkish Aerospace

**LUNCHEON: 12:30pm - 2:00pm - Sequoia Ballroom**  
**Guest Speaker: Yves Rossy (M), Jetman**  
**“How to Become A Human Flying Machine”**

**SESSION IV**  
**2:30pm - 5:00pm, Friday, 27 September 2024**

2:30pm - 3:00pm  
**“Developmental Testing of a  
Hybrid Control Hang Glider”**  
Michael Meier (AF), Wills Wing

3:00pm - 3:30pm  
**“The Agent Has the Controls:  
AI/ML Testing in the X-62A VISTA”**  
William Gray (F), USAF Test Pilot School  
Maj Ryan Forystek, USAF  
Steven Ross (M), USAF Test Pilot School  
Maj Shawn Stephens, USAF

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

4:00pm - 4:30pm  
**“MH-47G APAS: Development of Tactile  
Feedback for A Legacy Aircraft”**  
Joshua Buhl, Dept. of the Army (M)  
MAJ Christopher Dudley, USA (PAM)

4:30pm - 5:00pm  
**“Flight Test Evaluation of Autonomous  
Descending-Decelerating Precision  
Point-in-Space Approach to the Ground”**  
David Zahn (M), NASA  
William Fell (AF), Sikorsky Aircraft

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

**CONTINENTAL BREAKFAST - Sequoia Foyer**  
7:00am - 8:00am, Saturday, 28 September 2024  
**Saturday Chairman:**  
**CW5 Paul Steele, U.S. Army (Ret) (AF)**  
**SESSION V - 8:00am - 11:30am**

8:00am - 8:30am  
**“Smoke, Smoke, Smoke”**  
Steven Crane (AF), Allied Approach Group  
James Maxwell, Eviation Aircraft Inc.

8:30am - 9:00am  
**“How to Define ‘Safe for Fleet Operations’ ”**  
Maj Kevin Fleischer, USMC (M)  
Kristen Finnegan, NAVAIR

9:00am - 9:30am  
**“AW609 AC2 N609AG Fatal Accident, Evidence,  
Recommendations and Lessons Learnt”**  
Gianfranco Cito (F), Leonardo Helicopters Division  
Giuseppe Afruni (M), Leonardo Helicopters Division

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

10:00am - 10:30am  
**“Intellectual Virtue Grounds Sound Safety Culture”**  
Robert Niewoehner (F), US Naval Academy  
John O’Connor (F), ABSI Aerospace & Defense

10:30am - 11:00am  
**“Utilizing USCGA sUAS for Spacecraft System  
Flight Test and Evaluation”**  
Christopher Mehta, U.S. Coast Guard Academy  
Richard Freeman, U.S. Coast Guard Academy  
CAPT Dan Burbank, U.S. Coast Guard Academy (Ret)

11:00am - 11:30am  
**“Eclipse Aerotow Spacelaunch Concept,  
AKA ‘Dope On A Rope’ ”**  
Mark Stucky (F), Blue Origin

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

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

**AUDIO/VISUAL SUPPORT**



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**ADDITIONAL SPONSORS**



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

**Wednesday:** 25 September, 12:00pm - 8:00pm  
**Thursday:** 26 September, 7:00am - 5:30pm  
**Friday:** 27 September, 7:00am - 5:00pm  
**Saturday:** 29 September, 7:00am - 12:00pm  
(Reopens at 5:30pm for the Banquet)

**SYMPOSIUM AND BANQUET COMMITTEE**

General Chairman.....WILLIAM KOYAMA  
Symposium Chairman..... MICHAEL LIPPERT  
Luncheon Chairman..... JONATHAN OHMAN  
Banquet Chairman.....ART TOMASSETTI  
Displays Chairman .....JEFFREY MABRY  
Technical Tour Chairman ..... ANDY EDGELL  
Sponsorship Chairwoman ..... LAURIE BALDERAS

**BOARD OF DIRECTORS**

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Southeast Section Representative .....SCOTT MARTIN  
Southwest Section Representative ..... TOM CURRIE  
West Coast Section Representative ..... ANDY EDGELL  
Executive Director..... LAURIE BALDERAS

**PROGRAM**

**THE SOCIETY OF  
EXPERIMENTAL TEST PILOTS**



**68TH SYMPOSIUM  
AND AWARDS BANQUET**

**25 - 28 SEPTEMBER 2024**

**GRAND CALIFORNIAN HOTEL  
ANAHEIM, CALIFORNIA**

**WELCOME**

Welcome to The Society of Experimental Test Pilots' 68th International "Report to the Aerospace Profession". William Koyama 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.

John Tougas (AF), The Boeing Company  
SETP President, 2023-2024