

**CONTINENTAL BREAKFAST -
Magic Kingdom Ballroom Foyer (2nd Floor)**
7:00am - 8:00am, Thursday, 28 October 2021

8:00am - 8:15am
OPENING CEREMONIES
General Chairwoman:
Jennifer Henderson (AF), The Boeing Company
Symposium Chairman:
William Koyama (AF), Lockheed

Thursday Chairman:
Mike Rabens (F), Northrop Grumman
SESSION I - 8:15am - 11:45am

8:15am - 8:45am
“Kuwait F/A-18E/F Noise and Vibration Flight Test”
LCDR Brian Jacobs, USN (M)
LCDR Harry Davies, USN (M)

8:45am - 9:15am
“MV-22 LPD Mishap Investigation Testing”
Jon Lindsey (M), The Boeing Company
Maj Nathaniel Ross, USMC (PAM)

9:15am - 9:45am - Coffee Break

9:45am - 10:15am
**“Japanese C-2 Semi-Prepared Runway Takeoff
and Landing Capability Demonstration”**
Maj Hiroki Omagari, JASDF
Capt Kengo Fukagawa, JASDF

10:15am - 10:45am
**“High-Speed Handling Qualities Assessments
for Future Vertical Lift”**
MAJ Brandon Dotson, USA (M)

10:45am - 11:15am
“Breaking the Chain of Loss of Control Accidents”
Ralph Kimberlin, Ph.D. (F)
Edward Kolano (AF)
David Webber, FAA

11:15am - 11:45am
**“Have You Ever Seen a Rhino Jump?:
Historic Ski Jump Testing of the Super Hornet”**
Mike Wallace (F), The Boeing Company
LT Jonathan Williams, USN (M)

11:45am - 1:00pm LUNCH - No formal luncheon

SESSION II
1:00pm - 5:00pm, Thursday, 28 October 2021

1:00pm - 1:30pm
“C-12C: Idle-Thrust Versus Zero-Thrust Stalls”
Karl Major (AF), USAF Test Pilot School

1:30pm - 2:00pm
Key Results of NASA’s Pilot Breathing Assessment”
Jim Less (M), NASA
Dr. Lance Richards, NASA

2:00pm - 2:30pm
“T625 Gökbey Helicopter Flight Test Update”
Gökhan Virlan (M), Turkish Aerospace
Arif Ateş (M), Turkish Aerospace
Ersin Kocaadam, Turkish Aerospace

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

3:00pm - 3:30pm
**“Development and Flight Testing of a
Very Low Cost Variable Stability Aircraft”**
Giorgio Clementi (AF), ITPS Canada
Vincent Clementi, ITPS Canada

3:30pm - 4:00pm
**“MV-22 Defensive Weapon System
Testing at MCAS Yuma”**
LT Jonathan Happy, USN
Robert Brymer, Dept. of the Navy

4:00pm - 4:30pm
“Wright B Flyer New Airplane - First Flight”
Jay Jabour (F)

4:30pm - 5:00pm
**“Combining Two Worlds of Flight - Rocket Meet
Airplane, Airplane Meet Rocket”**
Kelly Latimer (AF), Virgin Galactic
Todd Ericson (F), Virgin Orbit
Zack Rubin, Virgin Orbit
Bryce Schaefer, Virgin Orbit

THURSDAY NETWORKING RECEPTION
Adventure Lawn - The Disneyland Hotel
6:30pm - 10:00pm (Dinner - 7pm-9pm)

**CONTINENTAL BREAKFAST -
Magic Kingdom Ballroom Foyer (2nd Floor)**
7:00am - 8:00am, Friday, 29 October 2021
Friday Chairman: Al Norman, (F), Lockheed
SESSION III - 8:00am - 11:30am

8:00am - 8:30am
**“Risk Management of a Complex eVTOL
Airplane in Agile Development”**
James Denham (M), Joby Aviation
Zachary Reeder (M), Joby Aviation

8:30am - 9:00am
**“Missions at the Merge: Combining Weapon
Separation and Mission System Testing for
the Small Diameter Bomb”**
LT Jon Malychke, USN (PAM)
Evan Smith, Dept. of the Navy

9:00am - 9:30am
**“Speed to the Fleet: Getting the Navy’s CMV-22B
Osprey Through DT in One Year”**
LCDR Gavin Kurey, USN (PAM)
Sean Hitchcock, Dept. of the Navy
Christopher Cheung, Dept. of the Navy
9:30am - 10:00am - Coffee Break

10:00am - 10:30am
**“A Probabilistic Outcome-Based Framework
for Envelope Expansion”**
Lt Col Juan Jurado, USAF
Clark McGehee, Dept. of the Air Force

10:30am - 11:00am
**“Preventing Flight Physiological Episodes Through
Integrated Biomonitors Systems”**
Maj Kevin Hand, USAF (PAM)
Dr. Brian Bradke, Spotlight Labs

11:00am - 11:30am
**“All Models Are Wrong:
Developing and Testing AARGM-ER”**
Maj Tristan Gerritsen, USMC
CDR Cassidi Reese, USN

LUNCHEON - 12:30pm - 2:00pm
Magic Kingdom Ballroom (2nd Floor)
Guest Speaker: Jared Isaacman
Commander, Inspiration4

SESSION IV
2:30pm - 5:00pm, Friday, 29 October 2021

2:30pm - 3:00pm
**“MH-60R/S Dynamic Interface Testing Aboard
the USNS Mercy (T-AH19)”**
LT John Paquette, USN (M)
LT Dustin Flaum, USN (PAM)

3:00pm - 3:30pm
“Evolution of Air Refueling Test”
Maj Mark Hammond, USAF (M)
MSgt Michael Danilowski, USAF

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

4:00pm - 4:30pm
**“Creating and Maintaining Experienced
Flight Testers at Textron Aviation”**
Stuart Rogerson (AF), Textron Aviation

4:30pm - 5:00pm
“High Speed Flight Testing the F-15 Eagle”
Matthew Giese (AF), The Boeing Company
Dan Draeger (AF), The Boeing Company
Chris Keithley, The Boeing Company

**FRIDAY NIGHT RECEPTION & DANCE -
Magic Kingdom Ballroom (2nd Floor)**
8:00pm - Midnight - Social Reception With A Live DJ!

**CONTINENTAL BREAKFAST -
Magic Kingdom Ballroom Foyer (2nd Floor)**
7:00am - 8:00am, Saturday, 30 October 2021
Saturday Chairman:
William Koyama (AF), Lockheed
SESSION V - 8:00am - 11:45am

8:00am - 8:30am
**“Recognition, Certification and
Accreditation for Test Pilot Schools”**
Dr. Allen Peterson (F), National Test Pilot School

8:30am - 9:00am
**“Re-Examining Dynamic Interface (DI)
With Heavily Augmented Helicopters”**
Maj Joshua Foxton, USMC (PAM)
Kristen Finnegan, Dept. of the Navy

9:00am - 9:30am
**“Chasing Weapons:
Lessons Learned and Historic Mishaps”**
David Wright (AF), Avionics Test & Analysis Corp.

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

10:00am - 10:30am
“F-22 Real-Time Simulation”
Charles Eger, Dept. of the Air Force
Maj Brandon Burfeind, USAF (PAM)

10:30am - 11:00am
“Flight Testing of Hybrid Electric Airplanes”
Kamran Akhter, Ampaire, Inc.
Justin Gillen (M), Ampaire, Inc.

11:00am - 11:30am
**“On Board Oxygen Generation System Flight Test -
How NOT To Conduct a Campaign”**
Jim Brown (F), National Test Pilot School

11:30am - 11:45am
“State of the Society”
Mike Wallace (F), SETP President
The Boeing Company

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

BANQUET RECEPTION - 5:00PM - 6:00PM
MAGIC KINGDOM BALLROOM FOYER (2nd Floor)
AWARDS BANQUET - 6:00PM
MAGIC KINGDOM BALLROOM

PLATINUM SPONSORS



SILVER SPONSORS



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ADDITIONAL SPONSORS



AUDIO/VISUAL SUPPORT:



ORAL HISTORY SUPPORT:



The SETP Headquarters and registration desk will be in the Magic Kingdom Ballroom Foyer (2nd Floor) and will be open:

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

(Reopens at 5:00pm for the Banquet)

SYMPOSIUM AND BANQUET COMMITTEE

General Chairwoman	JENNIFER HENDERSON
Symposium Chairman	WILLIAM KOYAMA
Luncheon Chairwoman	KELLY LATIMER
New Member Reception Chairman	KEVIN GROSS
Banquet Chairman	ART TOMASSETTI
Displays Chairman	DAN VANDERHORST
Technical Tour Chairman	BRIAN SANDBERG
Education Outreach Chairman	TIMOTHY MCDONALD
Sponsorship Chairwoman	LAURIE BALDERAS

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PROGRAM

THE SOCIETY OF EXPERIMENTAL TEST PILOTS



65TH ANNUAL SYMPOSIUM AND AWARDS BANQUET

27-30 OCTOBER 2021

THE DISNEYLAND HOTEL
MAGIC KINGDOM BALLROOM (2ND FLOOR)
ANAHEIM, CALIFORNIA

WELCOME

Welcome to The Society of Experimental Test Pilots' 65th International "Report to the Aerospace Profession". William Koyama (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.

A handwritten signature in black ink that reads "Mike Wallace".

Mike "Sting" Wallace (F)
SETP President, 2020-2021