

CONTINENTAL BREAKFAST - Sequoia Foyer

7:00am - 8:00am, Thursday, 22 September 2022

8:00am - 8:15am - Sequoia Ballroom

WELCOME/OPENING CEREMONIES

David Nils Larson (F), NASA
SETP President

SYMPOSIUM TEAM INTRODUCTION

General Chairman:

Jameel Janjua (M), Virgin Galactic

Symposium Chairman:

Andrew Edgell (AF), Calspan Corporation

Thursday Chairman:

Calvin D'Silva (M), The Boeing Company
SESSION I - 8:15am - 11:55am

8:15am - 8:45am

"Flight Test Mind Map - Levels and Head Fakes"
Allan Jespersen, USAF Test Pilot School (AM)

8:45am - 9:15am

**"Canadian Vertical Lift Autonomy
Demonstration: Flight Testing Autonomy"**
Derek Gowanlock, Nat'l Res. Council of Canada

9:15am - 9:45am

**"Supersonic Testing of the
Bombardier Global 8000 Business Jet"**
Ed Grabman (AF), Bombardier
Jeff Karnes (AF), Bombardier

9:45am - 10:25am - Coffee Break

10:25am - 10:55am

**"Things Flight Testers Should Know About
Batteries for Electric Propulsion"**
Jennifer Uchida, AeroTEC, LLC
Alberto Favier, Pipistrel Vertical Solutions d.o.o.

10:55am - 11:25am

"Stratolaunch Landing Gear System Testing"
Evan Thomas (AF), Stratolaunch
Stuart Yun, Stratolaunch
Keegan Colbert, Stratolaunch

11:25am - 11:55am

"UNITY 22"
David Mackay (AF), Virgin Galactic

11:55am - 1:15pm LUNCH - No formal luncheon

SESSION II

1:15pm - 4:55pm, Thursday, 22 September 2022

1:15pm - 1:45pm

**"Test Electric:
Speed and Height Without Dead Dinosaurs"**
Prof Guy Gratton (AF), Cranfield University UK
Dr. Rein Hoff (M), Cranfield University UK

1:45pm - 2:15pm

**"Cockpit Radiation and the
Human Weapon System"**
Col Dan Javorsek, USAF PhD (M)

2:15pm - 2:45pm

"F-22 Wing Overload Investigation"
Brittney Johnson, Dept. of the Air Force
Maj Samuel Browne, USAF (PAM)

2:45pm - 3:25pm - Coffee Break

3:25pm - 3:55pm

**"V-280 Valor Flight Test Lessons Learned:
The Value of Mission Rehearsals"**
Don Grove (M), Bell Textron, Inc.
David Johnson, Bell Textron, Inc.
Kevin Christensen (AF), Bell Textron, Inc.

3:55pm - 4:25pm

"Flight Test of Hybrid Electric Aircraft Testbed"
Peter Earle, Nat'l Res. Council of Canada
Reagh Sherwood (M), Nat'l Res. Council of Canada

4:25pm - 4:55pm

"Failure is Always an Option"
Art Tomassetti (F)
Time2Climb Training & Consulting

**THROWBACK THURSDAY PARTY
Sequoia Ballroom
8:00pm - Midnight**

CONTINENTAL BREAKFAST - Sequoia Foyer

7:00am - 8:00am, Friday, 23 September 2022

Friday Chairman:

LtCol Michael Lippert, USMC (M)
SESSION III - 8:00am - 11:30am

8:00am - 8:30am

**"Integrating Fly-by-Wire and Intelligent
Autonomy in UH-60A Black Hawk Helicopter"**
Benjamin Williamson (AF), Sikorsky,
a Lockheed Martin Company

8:30am - 9:00am

**"Evaluating Mental Workload Using
Psychophysiological Measures"**
Andrea Pingitore (M), NTPS

9:00am - 9:30am

**"First Flight of the e-Caravan -
magnIX and AeroTEC's All-Electric C208
Technology Demonstrator"**
Steven Crane (AF), Allied Approach Group, LLC
Ben Loxton, magnIX
Jennifer Uchida, AeroTEC, LLC

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

10:00am - 10:30am

**"Lessons Learned from Republic of
Korea Fighter (KF-21) First Flight"**
Lt Col Seong Bin Park, RoKAF
Maj Younjae Choi, RoKAF

10:30 - 11:00am

**"Premature Descent Alerting: Experimental Flight
Test Execution of an Enhanced TAWS Feature on
Gulfstream G700/800 Aircraft"**
Tiziano Bernard, Gulfstream
Jason Kiefert, Gulfstream

11:00am - 11:30am

"Quiet Supersonic Technology - Past and Present"
Roy Martin (F), Northrop Grumman (Ret)
James Less (M), NASA

LUNCHEON - 12:30pm - 2:00pm - Sequoia Ballroom
Guest Speaker: Kevin LaRosa II
**"The Art and Science of Hollywood's
Aerial Coordination"**

SESSION IV

2:30pm - 5:00pm, Friday, 23 September 2022

2:30pm - 3:00pm

**"Demonstrating a Framework for Measuring
Trust in Tactical Autonomy"**
Joseph Brown, Dept. of the Air Force

3:00pm - 3:30pm

**"Preventing Physiological Episodes -
One Year Post Fielding"**
Maj Kevin Hand, USAF (PAM)
Dr. Brian Bradke, Spotlight Labs

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

4:00pm - 4:30pm

**"Acceptable Level of Risk -
A New Safety Construct"**
Todd Ericson (F), FTR Enterprises, LLC

4:30pm - 5:00pm

**"Typhoon Crosswind Testing: The Human
Element of Safety Barriers"**
Sqn Ldr Oliver Payne, RAF (M)
Lt Col Christopher Nations, USAF (M)

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

CONTINENTAL BREAKFAST - Sequoia Foyer
7:00am - 8:00am, Saturday, 24 September 2022

Saturday Chairman:

Ryan Howland (AF), The Boeing Company
SESSION V - 8:00am - 11:15am

8:00am - 8:30am

**"Mitigating Degraded Visual Environment
Landings Through Improved Displays"**
Maj Aaron Okun, USMC (M)

8:30am - 9:00am

"#Testing With Millennials"
Lt Col Philip Jackson, USAF (M)
Ted Meek (AF), The Boeing Company

9:00am - 9:30am

**"Flight Testing With Artificial
Ice Shapes on the Boeing 777-9"**
James Hanley (AF), The Boeing Company
Thomas Esser, The Boeing Company

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

10:00am - 10:30am

**"Aerial Refueling Test Between
JASDF F-2 and RAAF KC-30A"**
Maj Kazuhiro Ota, JASDF
Capt Kota Ban, JASDF
SQNLDR Cameron Dennis, RAAF

10:30am - 11:00am

**"Natural Ice Flight Testing Campaign for the
GlobalEye Special Mission Aircraft"**
Weston Pike, Saab AB
Nenad Jankovic (AM), Saab AB

11:00am - 11:15am

"State of the Society"
David Nils Larson (F), NASA, SETP President

**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 SPONSOR



The SETP Headquarters and registration desk will be in the Sequoia Foyer and will be open:

Wednesday	21 September, 10:00am - 8:00pm
Thursday	22 September, 7:00am - 5:15pm
Friday	23 September, 7:00am - 5:00pm
Saturday	24 September, 7:00am - 12:00pm (Reopens at 5:30pm)

SYMPOSIUM AND BANQUET COMMITTEE

General Chairman.....	JAMEEL JANJUA
Symposium Chairman.....	ANDREW EDGELL
Luncheon Chairman.....	TUCKER HAMILTON
New Member Reception Chairman.....	RYAN BLAKE
Banquet Chairman.....	ART TOMASSETTI
Displays Chairman.....	DAN VANDERHORST
Technical Tour Chairman.....	COREY FLORENDO
Education Outreach Chairman.....	KEVIN GROSS
Sponsorship Chairwoman.....	LAURIE BALDERAS

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West Coast Section Representative.....	WILLIAM KOYAMA
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PROGRAM

**THE SOCIETY OF
EXPERIMENTAL TEST PILOTS**



**66TH SYMPOSIUM
AND AWARDS BANQUET**

21-24 SEPTEMBER 2022

**GRAND CALIFORNIAN HOTEL
ANAHEIM, CALIFORNIA**

WELCOME

Welcome to The Society of Experimental Test Pilots' 66th International "Report to the Aerospace Profession". Jameel Janjua 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.



David Nils Larson (F), NASA
SETP President, 2021-2022