### FRIDAY, 27 MARCH 2015

1300 - WELCOME - Kon Tiki Ballroom

Mark Stucky (F) Virgin Galactic, LLC SETP President

Ryan Howland (M), The Boeing Company Symposium Chairman

### <u>TECHNICAL SESSIONS</u>

# **SESSION I**

1315 - 1345 **"Wastegate Development for a Sport Class Pylon Race Aircraft"** Elliot Seguin (M), Aerochia Performance Aircraft Justin Gillen, Wasabi Air Racing

1345 - 1415 **"Lessons Learned and Murphy's Corollary"** Michael Meier (M), Wills Wing

1415 - 1445 **"RPV NTPS"** Ryan Olson (PAM), National Test Pilot School

#### 1445 - 1505 COFFEE BREAK

1505 - 1535 **"Helicopter Autorotation Landings at Sea Dark Night - Sea State Calm - Visually Unaided"** Richard Lee (AF), The Boeing Company

1535 - 1605 **"Test For Test-Training: Spinning the DC-1000S"** Timothy McDonald (AF), USAF Test Pilot School

# 1605 - 1635

**"What Test Pilots Should Know About Cyber Vulnerabilities"** Robert Behler (AF), Software Engineering Institute

> 1635 - 1705 **"Vertical Energy Maneuverability"** Maj Jeff Dean, USMC (PAM)

SETP RECEPTION & DINNER William D. Evans Sternwheeler Hotel Dock ~ 1830 Buffet Dinner and Open Bar SATURDAY, 28 MARCH 2015

0800 - 0830 Continental Breakfast ~ 2nd Floor Foyer

### TECHNICAL SESSIONS

# SESSION II

0830 - 0900 **"The EcoDemonstrator 787 Program"** Michael Carriker (F), The Boeing Company

0900 - 0930 **"F-22 Line-in-the-Sky Automatic Ground Collision Avoidance System"** Steve Rainey (F), Lockheed Martin Maj Kees Allamandola, USAF (PAM) Chuck Webb, Department of the Air Force

### 0930 - 1000 COFFEE BREAK

1000 - 1030 **"Three Dimensional Scene Reconstruction from Aerial Imagery Using Structure from Motion"** Capt Dan Alix, USAF (PAM) Capt Jeremiah Johnson, USAF

1030 - 1100 **"The E-6 Program Taught Me the Realities of Flight Test"** Gerald Whites (F), The Boeing Company

1100 - 1130 **"F-35C Carrier Suitability and Ship Trials"** LCDR Tony Wilson, USN LCDR Theodore Dyckman, USN (M)

*1145 - BUFFET LUNCHEON OUTSIDE ON THE NORTH BEACH SPONSORED BY:* 



# SETP BANQUET

*Guest Speaker* Douglas Benjamin (F) The Boeing Company

"Personal Stories from the Bird of Prey"

The Banquet reception will begin at 1800 in the foyer on the 2nd floor, with the Banquet at 1900 in the Kon Tiki Ballroom

The Banquet is sponsored by:



The Society would also like to thank the following companies for their sponsorship:











#### **CORPORATE MEMBERS**

Advanced Training Systems International, Inc. Aerospace Services International LLC AeroTEC, LLC Air Force Test Pilot School (India) Airborne Systems Group Airbus SAS ALCAT, Inc. Alenia Aeronautica S.p.A. Aviation Partners, Inc. Bechtel National, Inc. Bell Helicopter - A Textron Company Butler Parachute Systems, Inc. Calspan Corporation Clay Lacy Aviation Clay Lacy Aviation Cruz Associates, Inc. David Clark Company Incorporated DCS Corporation Denmar Technical Services EADS Deutschland GmbH ETPS EADS Deutschiana GmbH ETPS eXAQT Consultant Group ForeFeathers Enterprises FXC Corporation GE Aviation General Atomics Aeronautical Systems, Inc. Gentex Corporation Gentex Corporation Gulfstream Aerospace Corporation Honda Aircraft Company Honeywell Aerospace Flight Test Operations International Test Pilot School Canada Ltd. IPEV - Flight Test and Research Institute JT3, LLC Krings Corporation IPEV - Flight Test and Research Institute JT3, LLC Krings Corporation Lockheed Martin Corporation Martinvent Corporation Martin-Baker Aircraft Company Ltd. MIT Lincoln Laboratory Modern Technology Solutions, Inc. Mojave Air and Space Port National Aerospace Laboratory NLR National Test Pilot School Northrop Grumman Corporation Raisbeck Engineering, Inc. Scaled Composites, LLC Sikorsky Aircraft Corporation Software Engineering Institute Sumshine Aero Industries, Inc. Symbolic Displays, Incorporated Test Flying Academy of South Africa (TFASA) Textron Aviation Thales VISIONIX, Inc. The Boeing Company The Johns Hopkins Univ. Applied Physics Laboratory The Spaceship Company, LLC Thornton Corporation Tiger Century Aircraft, Inc. Thornton Corporation Tiger Century Aircraft, Inc. Universal Avionics Systems Corp. Virgin Galactic, LLC Wyle **XCOR** Aerospace

THE SOCIETY OF EXPERIMENTAL TEST PILOTS

#### **BOARD OF DIRECTORS**

President - Mark Stucky, Virgin Galactic, LLC Vice President - Michael Wallace, Boeing Secretary - Todd Ericson, Virgin Galactic, LLC Treasurer - Nicola Pecile, National Test Pilot School Legal Officer - William Gray, USAF Test Pilot School Executive Advisor - Kevin Prosser, Calspan Corporation President-Elect - Timothy Morey, Wyle Technical Advisor - Gregory Lewis, National Test Pilot School Technical Advisor - Terry Lutz, Airbus Canadian Section Representative - William Colquhoun, Bombardier Aero

Central Section Representative - Steve Stove, Bombardier Aero East Coast Section Representative - Eric Mitchell, Northrop Grumman European Section Representative - Jeremy Tracy, AgustaWestland Great Lakes Section Representative - Eric Fitz, Dept. of the Air Force Northwest Section Representative - Jennifer Henderson, Boeing Southeast Section Representative - David Wright, ATAC Southwest Section Representative - Norm Driscoll, Designet West Coast Section Representative - Lt Col David Kern, USAF

#### WEST COAST SECTION OFFICERS

Chairman - Lı Col David Kern, USAF Vice Chairman - Andrew Thurling, AeroVironment Secretary - Col Glenn Graham, USAF Treasurer - CDR Richard Zins, USN

> SETP P.O. Box 986 Lancaster, CA 93584 1-661-942-9574 setp@setp.org wnw.setp.org



# THE SOCIETY OF EXPERIMENTAL TEST PILOTS

# 45th WEST COAST SYMPOSIUM 27-28 March 2015



AMARAN RESORT HOTEL & SPA SAN DIEGO, CALIFORNIA