

SPOUSE'S EVENT
22 September 2011
The Mission Inn Hotel & Spa
8:00am - Continental Breakfast - Sequoia Foyer

CONTINENTAL BREAKFAST

7:30am - 8:30am, Thursday, 22 September 2011
Sequoia Foyer

OPENING CEREMONIES

Sequoia Ballroom
8:30am - 8:45am, Thursday, 22 September 2011

General Chairman:
Brett Vance (AF), USAF Test Pilot School

Symposium Chairman:
Michael Wallace (AF), Boeing

SESSION I

8:30am - 12:00pm, Thursday, 22 September 2011
Chairman: CAPT Thomas Huff, USN (M)

8:45am - 9:15am
“F/A-18C/D Litening Pod Loads Envelope Expansion Lessons Learned”
Maj Nicole Mann, USMC (M)
LT James Struck, USN (M)
Meredith Almoney, Dept. of the Navy

9:15am - 9:45am
“E-2D Advanced Hawkeye Carrier Suitability and Structural Demonstration”
LT Brian Tollefson, USN (M)
LT Paul Meyer, USN (AM)

9:45am - 10:15am
“Testing and Development of a New Warning System for Low G-Suit Pressure in JAS 39 GRIPEN”
Johan Sjostrand (M), SAAB
Christer Berglund, SAAB

10:15am - 10:30am-Coffee Break

10:30am - 11:00am
“787 Thrust Asymmetry Protection System”
Michael Carriker (AF), Boeing
David Eggold, Boeing

11:00am - 11:30am
“Takeoff Stall Flight Research - A Case Study in High Speed Taxi.”
Anthony Brown (M), National Research Council Canada

11:30am - 12:00pm
“Road to First Flight—Lessons Learned During Development Test of the X-47B Aircraft”
Michael Rabens (F), Northrop Grumman
LCDR Kevin Watkins, USN

12:00pm - 1:15pm
LUNCH - No formal luncheon is scheduled

SESSION II

1:15pm - 5:00pm, Thursday, 22 September 2011
Chairman: Maurice Girard (AF), Cessna

1:15pm - 1:45pm
“Engineering and Operational Testing of the Next Generation Transport, XC-2”
Capt Shinichiro Wakisaka, JASDF
Capt Atsuro Nishiyama, JASDF

1:45pm - 2:15pm
“Helicopter Automatic Approach to Oil Rigs”
Ronald Doeppner (M), Sikorsky

2:15pm - 2:45pm
“M-346 High Alfa Investigation Campaign”
Quirino Bucci (M), Alenia Aermacchi
Giovanni Pasinetti, Alenia Aermacchi

2:45pm - 3:00pm-Coffee Break

3:00pm - 3:30pm
“X2 Technology Demonstrator—Ludicrous Speed... No It's Gone Plaid!!”
Bill Fell (AF), Sikorsky
Kevin Bredenbeck (AF), Sikorsky

3:30pm - 4:00pm
“Development of JSOW C-1 on the F/A-18E/F”
LT Scott Johnson, USN (AM)
CDR Andrew McFarland, USN (M)

4:00pm - 4:30pm
“Experimental Flight Testing of Piper's First Jet Aircraft”
David Schwartz (AF), Piper Aircraft
Buddy Sessoms (AM), Piper Aircraft
Michael Cavanaugh, Innovative Aerodynamics

4:30pm - 5:00pm
“F-35B: 90° Alpha Landings”
Peter Wilson, British Aerospace

SPECIAL VIEWING OF
“The Great Santini” ~ 7:30pm - Sequoia Ballroom

CONTINENTAL BREAKFAST

7:00am - 8:00am, Friday, 23 September 2011
Sequoia Foyer

SESSION III

8:00am - 11:30am, Friday, 23 September 2011
Chairman: Thomas P. Phelan (M), Wyle

8:15am - 8:45am
“Modification and Flight Test of In-Theater Aircraft”
Lt Col Adam MacDonald, USAF (M)

8:45am - 9:15am

“Collective Limit Characterization of the CH-53D Helicopter”
Casey Gaines, NAVAIR
Capt Frederic Neubert, USMC
Emanuel Perez, NAVAIR

9:15am - 9:45am

“Project Dragon Spear: Weaponizing the MC-130W”
Maj Andy Jutte, USAF
9:45am - 10:00am-Coffee Break
10:00am - 10:30am

“Planning For Your Family's Future” Workshop

10:00am - Trillium Room

“NIMROD MRA4 Programme Lessons Learned—A Test Pilot Perspective”
SqnLdr Simon Seymour-Dale, RAF (M)

10:30am - 11:00am
“Testing 3D ‘Virtual-World’ Symbology for Use in Rotary Wing Brownout Prevention”
CDR David Purvis RN, (M)

11:00am - 11:30am
“A400M Development Flight Testing - A Wide Spectrum of Challenges”
Fernando Alonso, Airbus
Ed Strongman (M), Airbus
Karl-Heinz Mai (M), Airbus

LUNCHEON
Sequoia Ballroom
12:30pm - 2:00pm
Guest Speaker
George Whitesides, CEO, Virgin Galactic
“Virgin Galactic and the Future of Spaceflight”

SESSION IV

2:40pm - 5:10pm, Friday, 23 September 2011
Chairman: Klas W. Ohman (M), USNTPS

2:40pm - 3:55pm
SPECIAL EDUCATION FORUM
“Lessons Learned the Hard Way”
Col Art Tomassetti, USMC (AF), Jim Sandberg (F),
James Brown (F), Maurice Girard (AF), Thomas
MacDonald (F), Klas Ohman (M), Doug Shane (F)

3:55pm - 4:10pm - Coffee Break

4:10pm - 4:40pm
“We're All in This Together—Lessons Learned From C-17 All-Weather Formation Testing”
Lt Col James Hanley USAF (M)
Maj James Quashnock, USAF (M)

4:40pm - 5:10pm
“The Two Most Ominous Words in Flight Test; ‘Simple’ and ‘Straightforward.’ A Look at Integrating Mines on the F/A-18E/F Super Hornet”
LCDR Joshua Filbey, USN (M)

FRIDAY NIGHT RECEPTION

5:00pm - 12:00am - Free use of Disneyland Park
6:00pm - 8:30pm - Reception at Festival Arena inside Disneyland

CONTINENTAL BREAKFAST

7:30am - 8:30am, Saturday, 24 September 2011
Sequoia Foyer

SESSION V

8:30am - 12:00pm, Saturday, 24 September 2011
Chairman: Ricardo Traven (F), Boeing

8:45am - 9:15am
“The S-3 Viking Story”
Lyle Schaefer (AF)

9:15am - 9:45am
“Flight Test Approach to Adaptive Control Research”
David “Nils” Larson (AF) NASA
Col James Less, USAF (M)
Kate Pavlock, NASA

9:45am - 10:30am
“Firebird—The Development and Flight Testing of an Optionally-Piloted Medium-Altitude Long-Endurance UAV”
Mike Alsbury (M), Scaled Composites

“SpaceShipTwo - Glide Flight Lessons Learned”
Peter Siebold (AF), Scaled Composites
Mark Stucky (AF), Scaled Composites

10:30am - 11:00am - Coffee Break

11:00am - 11:30am
“Designing, Building and Flight Testing a Homebuilt Aircraft to Set a World Distance Record”
Lt Col Arnold E. Ebnetter, USAF, Ret (M)
Eileen A. Bjorkman, AFFTC

11:30am - 12:00pm
“The Space Shuttle Legacy”
Col Eric Boe, USAF (M)
Col Doug Hurley, USMC

THE ANNUAL BUSINESS MEETING WILL BEGIN UPON ADJOURNMENT OF THE SYMPOSIUM

BANQUET RECEPTION
SEQUOIA FOYER
6:00pm - 7:00pm

AWARDS BANQUET
SEQUOIA BALLROOM
7:00pm

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The Society wishes to acknowledge Boeing Integrated Defense Systems for their audiovisual support throughout the Symposium and Banquet.



The Society would also like to thank Northrop Grumman for their ongoing support of the Oral History Program.

NORTHROP GRUMMAN

The Society thanks the National Test Pilot School for it's support of Podcasting the Technical Program.



REGISTRATION

All attendees of the Symposium are required to register. The registration fee covers admission to all technical sessions, Friday Luncheon, a Friday Night Reception ticket, and one copy of the Symposium Proceedings on DVD.

The SETP Headquarters and registration will be in the Sequoia Registration Booth and will be open:

Wednesday	21 September, 10:00am - 8:00pm
Thursday	22 September, 7:00am - 5:00pm
Friday	23 September, 7:00am - 5:00pm
Saturday	24 September, 7:00am - 1:00pm

SYMPOSIUM AND BANQUET COMMITTEE

General Chairman	BRETT VANCE
Symposium Chairman.....	MICHAEL WALLACE
Luncheon Chairman.....	JUSTIN PAINES
Friday Night Reception Chairman ...	MARCO VENANZETTI
New Member Reception Chairman.....	C.W. BILL CONNOR
Banquet Chairman	ARTHUR TOMASSETTI
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.....	KYLE TURCO
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PROGRAM

**THE SOCIETY OF
EXPERIMENTAL TEST PILOTS**



**55TH SYMPOSIUM
AND AWARDS BANQUET**

21-24 SEPTEMBER 2011

**GRAND CALIFORNIAN HOTEL
ANAHEIM, CALIFORNIA**

WELCOME

Welcome to The Society of Experimental Test Pilots' 55th International "Report to the Aerospace Profession". Brett Vance (AF) and his Symposium Committee have developed an exceptional and stimulating program with both formal and informal venues for the exchange of information and renewal of personal and professional friendships. We all sincerely hope you enjoy this gathering and, most importantly, that you can take home some fresh insights that will allow you to conduct your flight tests more efficiently and with greater safety.

William A. Flynn
President, 2010-2011