

**SPOUSE'S EVENT**

23 September 2010  
 Temecula Winery Tour and Luncheon  
 8:30am - Continental Breakfast - Sequoia Foyer  
 9:00am - Winery Shuttle Departs  
 4:30pm - Shuttle Returns

**CONTINENTAL BREAKFAST**

7:30am - 8:30am, Thursday, 23 September 2010  
 Sequoia Foyer

**OPENING CEREMONIES**

Sequoia Ballroom  
 8:30am - 8:45am, Thursday, 23 September 2010

General Chairman:  
 CAPT Timothy J. Morey, USN (AF)

Symposium Chairman:  
 Kevin E. Prosser (AF), Calspan

**SESSION I**

8:45am - 12:00pm, Thursday, 23 September 2010  
 Chairman: Mark A. Ward (AF), Lockheed Martin

8:45am - 9:15am  
**“Testing the SaM 146 Engine of the  
 SUKHOI Super Jet on an II 76 FTB”**  
 Etienne de Malleray (M), AIRBUS

9:15am - 9:45am  
**“CIRRUS SF50”**  
 Mike Stevens (M), Cirrus Design Corporation

9:45am - 10:15am  
**“Probe & Drogue Air Refueling Testing in the F-35B”**  
 Sqn Ldr Stephen Long, RAF (M)  
 David Nelson (AF), Lockheed Martin

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

10:30am - 11:00am  
**“It’s All in the Math - Axis Transformation”**  
 William Fell (AF), Sikorsky  
 CW4 Adam Mouser, USA (AM)  
 David Boulos, Sikorsky

11:00am - 11:30am  
**“X-C-2 Development Status”**  
 Maj Ryohei Nakashima, JASDF  
 Capt Yoichi Sato, JASDF

11:30am - 12:00am  
**“Airborne Laser Test Bed: High Power System  
 Integration & Results”**  
 Doug Benjamin (F), Boeing

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

**SESSION II**

1:15pm - 4:30pm, Thursday, 23 September 2010  
 Chairman: Maj Jason D. Dotter, USAF (M)

1:15pm - 1:45pm  
**“Next Generation Automatic  
 Ground Collision Test Results”**  
 Billie Flynn (F), Lockheed Martin  
 Kevin E. Prosser (AF), Calspan

1:45pm - 2:15pm  
**“Time Safety Margin: A Generalized  
 Methodology for Dive Safety Planning”**  
 Bill Gray (AF), USAF TPS  
 James E. Brown, III (F), Lockheed Martin

2:15pm - 2:45pm  
**“Cessna Model 162 (SKYCATCHER) Spin  
 Compliance and Lessons Learned”**  
 C. Dale Bleakney (M), Cessna Aircraft Company

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

3:00pm - 3:30pm  
**“Flight Test Techniques for Active  
 Electronically Scanned Array Radars”**  
 Maj David Kern, USAF (AM)

3:30pm - 4:00pm  
**“Braking and Stopping with Precision at  
 1.25 Million Pounds”**  
 Terry L. Lutz (AF), AIRBUS

4:00pm - 4:30pm  
**“Rapid Development of the X-55A  
 and Initial Flight Test Results”**  
 Robert A. Rowe (AF), Lockheed Martin  
 Joseph Biviano, Lockheed Martin

**SPECIAL VIEWING OF  
“Gray Eagles” Documentary**

7:30pm - Sequoia Ballroom

**CONTINENTAL BREAKFAST**

7:00am - 8:00am, Friday, 24 September 2010  
 Sequoia Foyer

**SESSION III**

8:00am - 11:45pm, Friday, 24 September 2010  
 Chairman: Lt Col Jack D. Fischer, USAF/NASA (M)

8:00am - 8:15am  
**Administrative Remarks**

8:15am - 8:45am

**“Debunking Tribal Lore: A Discussion of the  
 Stall Performance and HQ Testing of the  
 Army C-26E Metroliner”**  
 Mike Haider (M), US Army

8:45am - 9:15am  
**“CF-18 Landing Techniques Flight Testing”**  
 Capt Eric Schultz, USAF (AM)  
 Maj Reagh Sherwood, CAF (M)

9:15am - 9:45am  
**“Evaluation of Asymmetrical Roll Rates  
 of the HH-60G Pavehawk Helicopter”**  
 Lt Col Paul Fiorenza, USAF  
 Lt Col Jeff Mabry, USAF (M)

**9:45am - 10:15am-Coffee Break**

10:15am - 10:45am  
**“Flight Test of the Boeing 737 Airborne  
 Early Warning and Control  
 Countermeasures Dispense Envelope”**  
 Mark A. Mitchell (M), Boeing  
 Norman Howell (AF), Boeing

10:45am - 11:15am  
**“X-48B Blending Wing Body Flight  
 Test Program Results”**  
 Michael A. Sizoo (M), Boeing  
 Dan Wells (AF), Boeing

11:15am - 11:45am  
**“Be Careful, You Just Might Find What  
 You’re Looking For...An F/A 18 AOC  
 Interaction with External Stores”**  
 Flt Lt Dane Petersen, RAAF  
 Sqn Ldr Darren Hughes, RAAF (AM)

**LUNCHEON**  
**Sequoia Ballroom**  
**12:30pm – 2:00pm**  
**Guest Speaker**  
**Brig Gen Robert Cardenas, USAF (Ret) (M)**  
**“Gliders to the Fringe of Space”**

**SESSION IV**

2:15pm - 4:30pm, Friday, 24 September 2010  
 Chairman: Andy Litavniks (AF), Bombardier

2:15pm - 3:15pm  
**SPECIAL EDUCATION TOPIC**  
**“Structural Loads - A Flight Test  
 Safety Handbook Update”**  
 Mike Carriker (AF), Boeing, Dave Desmond (AF),  
 Boeing, Rich Lee (M), Boeing, Tom Macdonald (AF),  
 Boeing Helicopter, Steve Rainey (AF), Boeing, Ricardo  
 Traven (F), Boeing, Mike Wallace (AF), Boeing

**3:15pm - 3:30pm - Coffee Break**

3:30pm - 4:00pm

**“787 Dreamliner, Progress Report to the Society”**  
 Mike Carriker (AF), Boeing  
 Randy Neville (AF), Boeing

4:00pm - 4:30pm  
**“F-35C First Flight”**  
 Jeff Knowles (AF), Lockheed Martin

**FRIDAY NIGHT RECEPTION**

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

**CONTINENTAL BREAKFAST**

7:30am - 8:30am, Saturday, 25 September 2010  
 Sequoia Foyer

**SESSION V**

8:30am - 12:00pm, Saturday, 25 September 2010  
 Chairman: Gregory V. Lewis (F)  
 National Test Pilot School

8:30am - 8:45am  
**Administrative Remarks**

8:45am - 9:15am  
**“Flight Test 2040”**  
 Col Art Tomassetti, USMC (AF)

9:15am - 9:45am  
**“Affect of External Munitions on  
 Aircraft Stability & Control”**  
 Col Larry G. Van Pelt, USAF (Ret)

**9:45am - 10:15am – Coffee Break**

10:15am - 10:45am  
**“The Role of the Test Pilot in UAV Development”**  
 Douglas B. Shane (F), Scaled Composites

10:45am - 11:15am  
**“Wing Tip Coupling Experiments”**  
 C. E. “Bud” Anderson (F)

11:15am - 11:45pm  
**“Lifting Body Contributions to  
 Lifting Body Re-Entry”**  
 Weneth Painter, NASA (Ret)  
 Robert Hoey, USAF (Ret)

**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, 25 September 2010

## WELCOMING RECEPTION

### SPONSORS



# GENTEX®

# MOJAVE

## AIR AND SPACE PORT



# SAFE FLIGHT

Instrument Corporation



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

## NORTHROP GRUMMAN

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

## REGISTRATION

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

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

Wednesday	22 September, 10:00am – 8:00pm
Thursday	23 September, 7:00am – 5:00pm
Friday	24 September, 7:00am - 5:00pm
Saturday	25 September, 7:00am - 1:30pm

## SYMPOSIUM AND BANQUET COMMITTEE

General Chairman .....	TIMOTHY J. MOREY
Symposium Chairman.....	KEVIN PROSSER
Luncheon Chairman.....	JUSTIN PAINES
Friday Night Reception Chairman .....	CRAIG PENRICE
New Member Reception Chairman.....	C.W. BILL CONNOR
Banquet Chairman .....	BRETT VANCE
Displays Chairman.....	DAN VANDERHORST
Dr. Gerry T. Morton , Jr. Technical Tour Chairman.....	.....STUART ROGERSON
Education Outreach Chairman .....	EDWARD CABRERA

## BOARD OF DIRECTORS

President .....	TERRY E. TOMENY
Vice President.....	STEVE RAINEY
Secretary .....	DAVID NILS LARSON
Treasurer.....	DOUGLAS A. BENJAMIN
Legal Officer.....	TROY FONTAINE
Executive Adviser.....	GREGORY V. LEWIS
President-Elect.....	WILLIAM A. FLYNN
Technical Adviser.....	TIMOTHY J. MOREY
Technical Adviser .....	GRADY W. WILSON
Canadian Section Representative .....	ROB ERDOS
Central Section Representative .....	MARK O. SCHLEGEL
East Coast Section Representative .....	JOHN TOUGAS
European Section Representative.....	JEREMY P. TRACY
Great Lakes Section Representative.....	JAY JABOUR
Northwest Section Representative .....	LEON ROBERTS
Southeast Section Representative .....	GARY PLUMB
Southwest Section Representative .....	ALAN NORMAN
West Coast Section Representative.....	EDWARD CABRERA

PAULA S. SMITH  
Executive Director

## PROGRAM

### THE SOCIETY OF EXPERIMENTAL TEST PILOTS



### 54TH SYMPOSIUM AND AWARDS BANQUET

22-25 SEPTEMBER 2010

THE GRAND CALIFORNIAN HOTEL  
ANAHEIM, CALIFORNIA

## WELCOME

Welcome to the Society of Experimental Test Pilots' 54th International "Report to the Aerospace Profession". Tim Morey (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.

Terry E. Tomeny  
President, 2009-2010