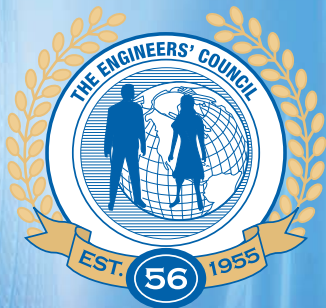




American Institute of
Aeronautics and Astronautics

In Celebration of National Engineers Week
February 20-26, 2011



West Palm Beach, Florida

In cooperation with

The Engineers' Council
Sherman Oaks, California



2011 Engineering Awards Banquet

Saturday, March 5, 2011

Hilton Garden Inn

Palm Beach Gardens, Florida

In Celebration of National Engineers Week, February 20-26, 2011

The
Power
Behind

Pratt & Whitney Rocketdyne
congratulates the
2011 National Engineers Week
Honorees

SPACE

Exploration



Pratt & Whitney

Pratt & Whitney Rocketdyne

AIAA LIFELONG MEMBER SERVICE AWARDS

The Palm Beach Section of the American Institute of Aeronautics and Astronautics is proud to recognize its following members

For Sustained Contributions to the Advancement of the Art, Sciences and Technology of Aeronautics and Astronautics and Lifelong Support of the Aerospace Profession

50 Years of Continuous Membership

Thomas W. Davis - Senior Member
West Palm Beach, Florida

R. W. Lanzkron - Senior Member
Miami Beach, Florida

James B. Rannie - Associate Fellow
Tequesta, Florida

Frank D. Stull - Associate Fellow
Port St. Lucie, Florida

60 Years of Continuous Membership

David N. Goldstein - Associate Fellow
Lake Worth, Florida

AIAA SUSTAINED MEMBER SERVICE AWARDS

The Palm Beach Section of the American Institute of Aeronautics and Astronautics is proud to recognize its following members

For Sustained Contributions to the Advancement of the Art, Sciences and Technology of Aeronautics and Astronautics

25 Years of Continuous Membership

Stuart P. Bishop - Senior Member
Palm City, Florida

Kevin E. Dembinski -Senior Member
Sewalls Point, Florida

Fred W. Hessman - Associate Fellow
Sanibel, Florida

Steven G. Koff - Associate Fellow
Miami, Florida

40 Years of Continuous Membership

Ronald D. Anderson - Associate Fellow
Naples, Florida

Douglas L. Kisling - Associate Fellow
North Palm Beach, Florida

Joseph A. Stregack - Senior Member
Lake Worth, Florida

National Engineers Week Message From Expedition 26



NASA photo

Pictured clockwise from the right are NASA astronaut Scott Kelly, commander; NASA astronaut Catherine Coleman, Russian cosmonauts Dmitry Kondratyev, Oleg Skripochka, Alexander Kaleri and European Space Agency (ESA) astronaut Paolo Nespoli, all flight engineers.

Greetings from the International Space Station.

I'd like to congratulate all of you on this 56th annual observance of National Engineers Week. This week, activities by volunteers from engineering societies and professional organizations all across our nation are stimulating interest in math and science among our youth who will one day be contributing to the pool of engineering and scientific talent that our nation needs to meet the future. These activities include science fairs, mentoring, educational outreach, and student design competitions.

In many areas recognition of engineering professionals is occurring at celebrations that highlight their many contributions to making our world a better place. We appreciate what you do every day to keep us safe up here, to keep our families secure at home, to contribute to the economic vitality of our nation, and to make technological progress for the benefit of all people on Earth.

Cheers to you from the International Space Station!

- Astronaut Cady Coleman

THE ENGINEERS' COUNCIL
Sherman Oaks, California

1955

A Brief History

2011

The Engineers' Council was founded in 1955 as the "San Fernando Valley Engineers' Council" through the joint efforts of the California Society of Professional Engineers, the American Institute of Plant Engineers, the Society of Manufacturing Engineers, and the Institute of Electrical and Electronics Engineers. National Engineers Week, a national week of recognition of the engineering profession, has been celebrated since 1950.

Over the years, the Council's activities have grown from a joint meeting of these societies into the largest Annual Honors & Awards Banquet celebrating National Engineers Week. These banquets honor deserving professionals whose accomplishments warrant recognition by their peers.

The 1959 banquet was special. The first Engineer of the Year Award was given to Roy E. Marquardt, one of the most respected engineers in the San Fernando Valley. His accomplishments and technical innovations became a benchmark to measure all future candidates for this most prestigious honor.

The next milestone for the Council was in 1969 when the first Honorary Engineer of the Year, Ed Reineke, was selected. Since then, a host of nationally renowned individuals has proudly received this award.

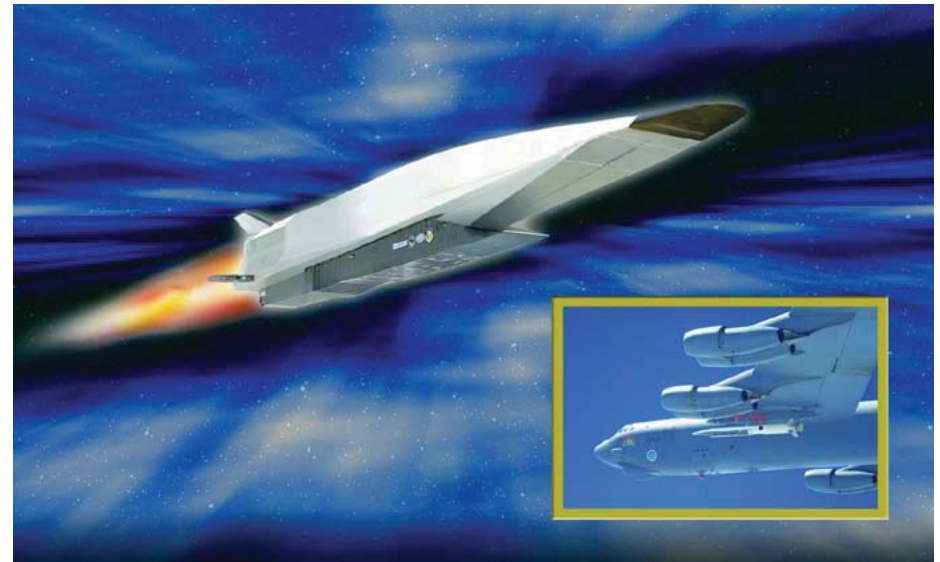
The Peter Recchia Omni Award was added to the list of major awards in 1973. This award is named for Mr. Peter Recchia, a great supporter of engineering in our community and designer of the award. This perpetual trophy is presented annually to the Engineer of the Year.

In 1987, Brigadier General Charles E. "Chuck" Yeager lent his name to the San Fernando Valley Engineers' Council, which has since annually presented the Brigadier General Charles E. "Chuck" Yeager International Aeronautical Achievements Award to the individuals who, with the general's concurrence, have attained historically outstanding achievements in the field of aeronautical flight test and engineering.

In February 1993, the Advanced Development Programs of Lockheed Martin Aeronautics Company granted The Engineers' Council the privilege of using both service marks "Skunk Works" and the stylized "Skunk" in our Clarence L. "Kelly" Johnson Skunk Works Award, and in 2006 and 2007 we developed our Jack Northrop and Robert H. Goddard awards in cooperation with Northrop Grumman Integrated Systems and Pratt & Whitney Rocketdyne.

Through the years, The Engineers' Council has presented thousands of awards recognizing outstanding contributions by individuals in our community and throughout the world in the fields of engineering, education, special fields of work, and public service.

Proceeds from The Engineers' Council Honors & Awards Banquet are used to fund scholarship, high school mentoring, and middle-school math and science educational enrichment programs.



On May 26, 2010, the X-51A Wave Rider made aviation history by completing the longest ever supersonic combustion ramjet-powered flight. The unmanned vehicle flew for almost three and a half minutes in the skies off the southern California coast, reaching an altitude of about 70,000 feet and achieving hypersonic velocity.

The X-51A scramjet was developed for the United States Air Force Research Laboratory and the Defense Advanced Research Projects Agency by Boeing and Pratt & Whitney Rocketdyne. The goal of the program is to demonstrate a free-flying, scramjet-powered vehicle capable of operating on conventional jet fuel at continuous hypersonic speeds - a challenge which program officials compare to "lighting a match in a hurricane and keeping it burning," and a technical accomplishment that has been equated to the post-World War II jump from propeller-driven aircraft to jet engines.

In the words of Mark Lewis, former Air Force Chief Scientist, current President of the American Institute of Aeronautics and Astronautics (AIAA), and Willis Young Professor and Chair at the University of Maryland:

"Flight of X-51 marked one of the proudest days in recent USAF S&T and T&E history- the first successful flight test of a practical, thermally balanced, integrated hypersonic airbreathing vehicle."

DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT OF THE YEAR AWARD 2011

X-51A Scramjet Engine Demonstrator Wave Rider Project

*Air Force Research Laboratory
Wright Patterson AFB, Ohio*

Team Members

United States Air Force Research Laboratory

Charles Brink, USAF X-51 Program Manager
Scott Murphy, USAF X-51 Lead Propulsion Engineer
Richard Mutzman, USAF X-51 Chief Engineer

Pratt & Whitney Rocketdyne

Dean Andreadis, Performance Analysis and System Integration
Alec Dawson, Engine Controls and Instrumentation Lead
David Dye, Fuel System Technical Lead
Thomas Fortin, Chief Engineer
Stephen Hoxie, Flowpath Aerothermal, Performance and Operability Lead
Kevin Kincaid, Performance Analysis Lead
Robert McLaughlin, Product Development & Validation Test Lead
Dean Olson, Systems Engineering Lead
Durward Smith, Engine Manufacturing Project Lead
Mark Tatum, Flight Test Team Lead
Randall V. Upton, Structures & Dynamics

The Boeing Company

Alan Baldwin, Vehicle Assembly and Checkout IPT Lead
Robert Bauer, Structural Test Engineer
David Bowen, Deputy Program Manager
Craig Christy, Fluid Systems Design Lead
William Cook, Program Chief Systems Engineering Lead
David Fusco, Test Engineer
Brian Hoare, Dynamics Test Engineer
Richard Marsh, Booster IPT Lead
Mark Nugent, Guidance Navigation & Control/ Sub Systems IPT Lead
Noelle Saccoccio, Flight Test Engineer
Paul Seigman, Software and Hardware Integration & Validation Test Lead
Steven White, Chief Engineer
David Woolery, Flight Test IPT Lead & High Desert Site Focal

Accepting the Project Award

George W. Thum
Program Manager
Pratt & Whitney Rocketdyne

Joseph T. Vogel
Program Manager
The Boeing Company



2011 Engineering Awards Banquet

Saturday, March 5, 2011

Hilton Garden Inn

Palm Beach Gardens, Florida

Social Hour – 5:30 p.m.

Welcome & Introductions – 7:00 p.m.

Michael Popp

Chair, AIAA Palm Beach Section

Robert B. Tarn

Trustee & Secretary, The Engineers' Council

Dinner

Speaker & Awards Program – 7:30 p.m.

Robert S. Dickman

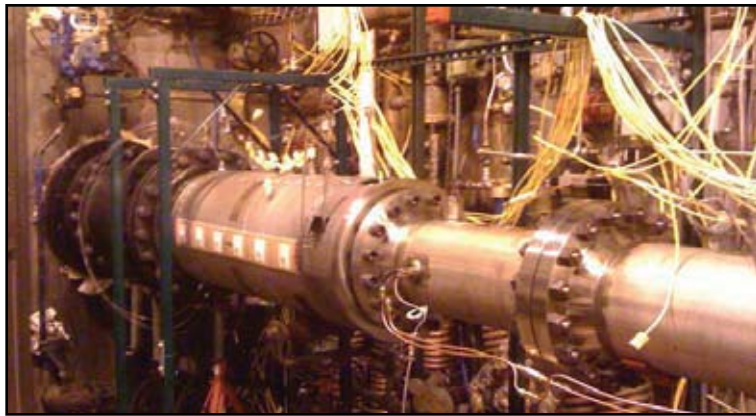
AIAA Executive Director, USAF Major General (Ret.)

Closing

**DISTINGUISHED ENGINEERING
PROJECT ACHIEVEMENT AWARD**

**Long Range Anti-Ship Missile
Direct Connect Engine Test**

Pratt & Whitney Rocketdyne
West Palm Beach, Florida



Team Members

Pratt & Whitney Rocketdyne,
West Palm Beach, Florida

Robert Beard
David Doughty
James Grant
Patrick Griffin
Bud Smith
Kevin Van Dyke
Jeff Vavros

United Technologies Research Center,
East Hartford, Connecticut

Jim Donohue
Robert Erickson
Marty Haas
Gary Magoon

Lockheed Martin Mission & Fire Control,
Orlando, Florida

Aaron Warriner

Project Leads

Leslie Guzman and Dan Usiadek
Pratt & Whitney Rocketdyne
West Palm Beach, Florida

**OUTSTANDING ENGINEERING
ACHIEVEMENT MERIT AWARDS**



Dean Andreadis
Pratt & Whitney Rocketdyne
West Palm Beach, Florida

For contributions to the field of Hypersonics with specific commendation for hypersonic propulsion contributions spanning ramjets, scramjets, rocket based combined cycle propulsion and turbine based combined cycle propulsion

Frederick M. Whitman
Pratt & Whitney Rocketdyne
West Palm Beach, Florida

For exemplary commitment and support of the nation's manned space flight program as a leader of the Space Shuttle Main Engine High Pressure Turbomachinery Team



**DISTINGUISHED ENGINEERING
ACHIEVEMENT AWARDS**



Eric P. Gardze, Jr.
Pratt & Whitney Rocketdyne
Kennedy Space Center, Florida

In recognition of outstanding support to the United States manned space flight program, and a dedication and real time decisions that have played a vital role in Space Shuttle success

Robert F. Faulkner
Pratt & Whitney Rocketdyne
West Palm Beach, Florida

In recognition of commitment and dedication to enabling hypersonic flight for military and commercial applications

