

THE ENGINEERS' COUNCIL

Sherman Oaks, California



**Theodore von Kármán
Achievement Award
Dr. Buzz Aldrin**
Astronaut, Apollo XI
Retired Colonel, USAF
Author and Space
Advocate



**Engineer of the Year
Mr. Eric D. Knutson**
Director of Advanced Projects
Lockheed Martin Skunkworks
Palmdale, California



**Educator of the Year
Dr. Melvin A. Breuer**
Professor
University of Southern
California
Los Angeles, California



**56th
Annual
HONORS AND AWARDS BANQUET**
Saturday, February 26, 2011

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

National Engineers Week Committees

Banquet Committee: *Marek Barylak, Robert Budica, Larry Dalton, Kenneth Davis, Sonja Domazet, Carlos & Margo Guerra, Stephen Guine, William Johnson, Jerry Kraim, Diane Kulisek, Paul Landry, Charles Olsefsky, S. K. Ramesh, Rick Ratcliffe, Ramin Roosta, Noelle Segura, R. Freeman Straub, Robert Tarn, Charles Volk*

Honors & Awards Committee: *Kenneth Davis, Diane Kulisek, Paul Landry, Charles Olsefsky, R. Freeman Straub, Robert Tarn*

Visual Media Services: *Warren Huskey, Mike Matte*

Awards Assembly *Marek Barylak, Larry Dalton, Kenneth Davis, Sonja Domazet, William Johnson, Diane Kulisek, Sharlene Katz, Charles Olsefsky, Ramin Roosta, R. Freeman Straub, Charles Volk*

Hostesses: *Mary Claire Jensen, Mickey Knobloch, Olivia Landry, Maria Tarn*

Audio/Video: *Swank Audio Visuals*

Award Presenters: *Sonja Domazet, Stephen Guine, William Johnson, Paul Landry, Robert Tarn, Charles Volk*

Banquet Setup/Awards Distribution: *Margo Guerra, CSUN Engineering Students*

Math Counts: *Jerry Kraim*

LA County Science Bowl: *Larry Dalton*

First Robotics: *R. Freeman Straub*

The Engineers' Council Board of Directors

President
Kenneth G. Davis

Vice President
Sonja Domazet

Treasurer
Dr. Charles H. Volk

Secretary
Robert B. Tarn

Trustees: *Dr. Robert J. Budica, Paul F. Landry, Dr. A. F. Ratcliffe, Robert B. Tarn, Dr. Charles H. Volk*

Directors-at-Large: *Tes Akpovi, Dr. Marek Z. Barylak, Dr. Narisa Chu, Stephen Guine, William J. Johnson, Jerry Kraim, Diane G. Kulisek, Victor M. Moreno, Charles Olsefsky*

Special Thanks to:

- Pratt & Whitney Rocketdyne Graphics & Publications for production of the Souvenir Program and award certificate artwork.
- Lockheed Martin Aeronautics Company for assistance with the cost of audio/video.
- Northrop Grumman Aerospace Systems for providing for a professional photographer.
- California State University Northridge for hosting our Technical Conference & Awards Assembly Committee.

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.

The Engineers' Council
Sherman Oaks, California

56th Annual
Honors & Awards Banquet

Saturday, February 26, 2011



Welcome & Introductions – 6:00 p.m.
Council President
Kenneth G. Davis

Dinner

Presentation of Awards - 7:00 p.m.

Master of Ceremonies
Dr. Charles H. Volk

Presenters
Sonja Domazet
Stephen Guine
William J. Johnson
Paul F. Landry
Robert B. Tarn

Closing

DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS

RQ-4B Global Hawk Block 30 / 30+ Airworthiness Stress Report

Northrop Grumman Aerospace Systems
San Diego, California

Accepting the Project Award

Allan Tuquero
Project Leader

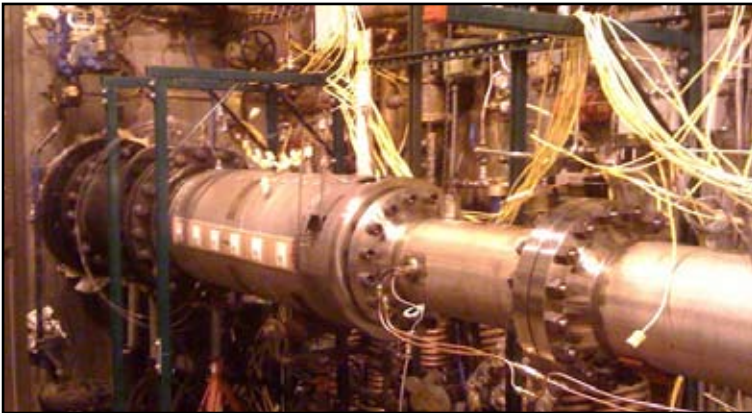


Long Range Anti-Ship Missile Direct Connect Engine Test

Pratt & Whitney Rocketdyne
West Palm Beach, Florida

Accepting the Project Award

Leslie F. Guzman
Project Leader



Global Hawk Block 10 Service Life Assessment

Northrop Gumman Aerospace Systems
San Diego, California

Team Members

Angel L. Carrion
Michael Etaati
Reza Karkehabadi

Robert Ma
Steve Nauman
Mostafa Pourmand

Shawn Riley
Josh Robinson
Nevin Swearengin

Accepting the Project Award

Paul Ackerman
Project Leader



DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS



Coyote Missile Target Development

Aerojet
Sacramento, California

Team Members

Eric Coble Keven Leith
Dr. Patrick Hewitt Bryan Waltz

Accepting the Project Award

Richard Johnson
Project Leader

Global Hawk Air Vehicle Modifications for Communications Payload

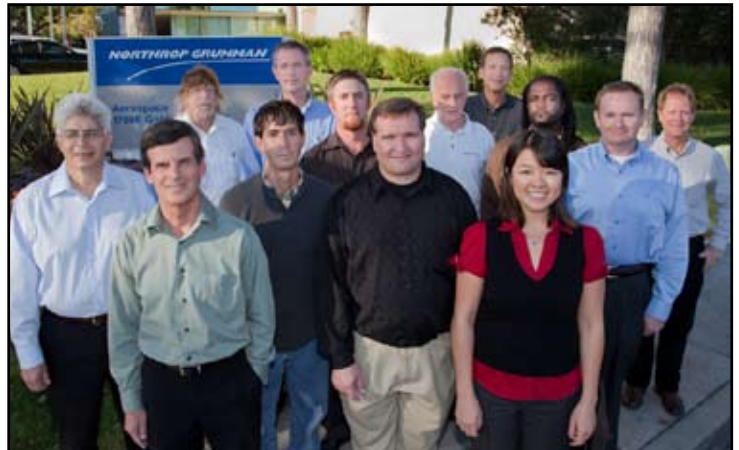
Northrop Grumman Aerospace Systems
San Diego, California

Team Members

Brad Bergman	Chris Johnson	Royce Parish
Eric Franey	Elaine Liu	George Rummel
Keith Howe	Kurt Lorhammer	William Savage
Danny Howell	Kederra McDaniel	Robert Witek

Accepting the Project Award

Greg S. Austin
Project Leader



LR-240 Inertial Based Northfinder

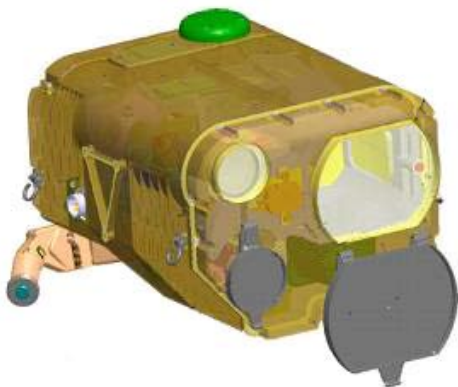
Northrop Grumman Navigation Systems Division
Woodland Hills, California

Team Members

Charles J. Pruszyński	Jennifer Baker	Stephan Lovstdet
Brian Cassady	Jerry McBrearty	Guy T. Varty
Daniel Rampacek	Ralph Patterson	Kevin Picklesimer
David MacDonald	Dr. Sophie Laut	

Accepting the Project Award

Naveen Joshi
Project Leader



DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS



Simulated Rapid Propellant Loading System

ASRC Aerospace
Kennedy Space Center, Florida

Accepting the Project Award
Walter Hatfield
Project Leader

Fighter Aircraft Noise Reduction

Lockheed Martin Aeronautics Company
Palmdale, California

Team Members
Darrell Cribbs
Jeanette Elliott
Robert Psencik

Accepting the Project Award
Dr. Anthony Pilon
Project Leader



The ThreatShield Autonomous Chemical Threat Detector

Hamilton Sundstrand
Pomona, California

Team Members
Wassim Accari
Angeles Arellano
Goustin Bernaba
Wai Tak Lee

Accepting the Project Award
Dr. Andrew Szumlas
Project Leader

Distinguished Engineering Educator Awards
Profs. Michael Kabo and Steven Stepanek



Outstanding Engineering Merit Achievement Awards
Profs. Susan Beatty, Aram Khachatourians, and Jeff Wiegley



*Congratulations to the
2011 Honorees!*

COLLEGE OF ENGINEERING & COMPUTER SCIENCE

<http://www.engineerscouncil.org>

8th Annual Technical Conference

The Engineers' Council Technical Conference
On Friday May 6th 2011
8am -5pm

Hosted at
California State University, Northridge
18111 Nordhoff Street
Northridge, CA 91330

Topic:
Communications

THEODORE VON KÁRMÁN ACHIEVEMENT AWARD

To

Dr. Buzz Aldrin

Astronaut, Apollo XI
Retired Colonel, USAF
Author and Space Advocate



Dr. Buzz Aldrin

Presented by

Robert B. Tarn

Trustee & Secretary
The Engineers' Council

and

Howard E. Pohlenz

Systems Engineering Manager, Retired

For Innovative Application of Orbital Mechanics

This award is given in honor of the great mathematician and academic leader,
Theodore von Kármán.

After making significant contributions to the sciences of mechanics, structures, fluid dynamics, and aeronautics in his native Hungary and in Germany, von Kármán immigrated to the United States in 1930 to lead the Aeronautical Laboratory at the California Institute of Technology, which he had helped to design. Under his leadership, the laboratory was a vital resource to the emerging Southern California aerospace industry, thrusting Caltech to national pre-eminence. In 1933, von Kármán founded the United States Institute of Aeronautical Sciences to continue his theoretical research on fluid mechanics and supersonic flight, and in 1944 he established the Jet Propulsion Laboratory at Caltech. The first person to receive the National Medal of Science, von Kármán's theoretical aerodynamics and work in rocket research has shaped both scientific and political history.

***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

Wayne Bender

Northrop Grumman Navigation Systems Division
Woodland Hills, California

For outstanding contributions to the design, integration, test, and manufacturing support of accelerometers used in tactical and navigation accuracy inertial systems

Susan Beatty

California State University Northridge
Northridge, California

In recognition of accomplishments in various industrial projects, academic instruction, student mentorship, and community service

Timothy Hinerman

Pratt & Whitney Rocketdyne
Canoga Park, California

For outstanding Combustion Devices support to RS-68A Certification, specifically expertise and dedication resulting in main injector configuration design finalization

James V. Lewis

Lockheed Martin Aeronautics Company
Palmdale, California

For outstanding merit in providing exceptional design, scheduling, planning, testing and integration in support of C-130 Special Missions Projects

Kenneth R. Johnson

The Boeing Company
El Segundo, California

For outstanding technical achievements, dedication and support of a demanding program, and personal commitment to the design, preparation and execution of the IS-22 BUS Satellite static testing

Dr. Youping Gao

Pratt & Whitney Rocketdyne
Canoga Park, California

For pioneering development of a robust vacuum fiber laser welding process that can produce a narrower weld joint with less porosity and a smoother surface finish than traditional EB welding

Kevin J. Lunde

Pratt & Whitney Rocketdyne
Canoga Park, California

For outstanding contributions towards the development of new technologies and the advancement of the state-of-the-art in Rotating Machinery for Rocket Propulsion

Pratt & Whitney Rocketdyne
congratulates the
2011 National Engineers Week
Honorees

**The
Power
Behind
SPACE
Exploration**



Pratt & Whitney

A United Technologies Company

Pratt & Whitney Rocketdyne

ROBERT H. GODDARD SPACE PROPULSION PIONEER AWARD

To

John B. Plowden

Vice President, Program and Mission Success
Pratt & Whitney Rocketdyne
Kennedy Space Center, Florida



John B. Plowden

Presented by

Jeffrey S. Kincaid

Director, Technical and Process Assurance
Pratt & Whitney Rocketdyne
Canoga Park, California

For Being a rocket launch pioneer in human spaceflight from the early days of the Saturn/Apollo program through the entirety of the Space Shuttle program, contributing significantly to 100% success in propulsion

This award is given in honor of the founder of modern rocketry, Dr. Robert H. Goddard. Dr. Goddard was a physicist of great insight who envisioned the exploration of space and had a genius for invention. In childhood, Robert Goddard was intrigued by the chemical energy of pyrotechnic devices, and dreamed of harnessing their energy to produce propulsive power. In 1912, Dr. Goddard developed the mathematical theory of rocket propulsion as a research fellow at Princeton University, and at Clark University in 1915, proved experimentally that rockets could produce thrust in a vacuum in order to dispel the doubts of a less enlightened scientific community. A modest researcher who eschewed the public eye, he moved his research to Roswell, New Mexico, in 1930, where he built and tested liquid propulsion rockets which successfully achieved high altitude flights and demonstrated fin-stabilized flight control, and filed dozens of related patents, including gyroscopic guidance systems and multistage rockets. Dr. Goddard's developments spawned the rocket industry that put the first Americans into space and the first humans on the Moon, and his legacy lives today in those who followed his pioneering work.

Past recipients:

Byron K. Wood, 2007

Maynard "Joe" Stangeland, 2008

Paul F. Seitz, 2009

DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS

Airborne Laser In-Flight Lasing and Shutdown

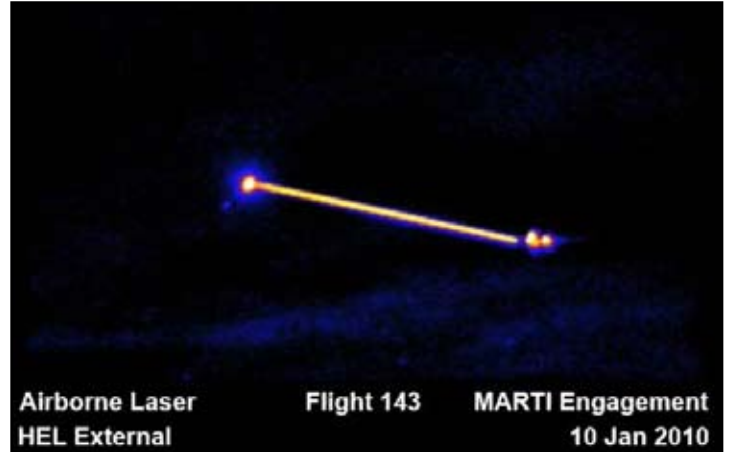
Northrop Grumman Aerospace Systems
Redondo Beach, California

Team Members

Curtis Doyle	Armando Martos
Andrew Grove	Mark Stubben
Jeff Hartlove	

Accepting the Project Award

Guy D. Renard
Project Leader



Airborne Laser Flight 143 MARTI Engagement
HEL External 10 Jan 2010



RATTLRS MIT

Lockheed Martin Aeronautics Company
Palmdale, California

Team Members

Todd Belote	David Pehrson
Ted Dopler	Chris Smith
Sevan Megerian	Jeff Theroux

Accepting the Project Award

Patrick Tait
Project Leader

Reliability Engineering Efficiency Enhancement

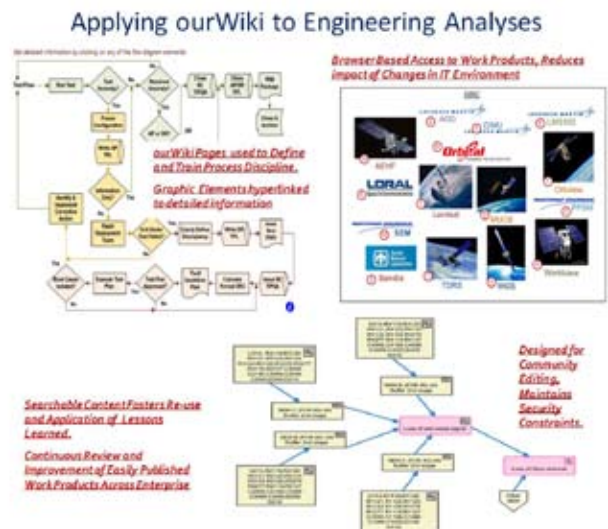
Northrop Grumman Navigation Systems Division
Woodland Hills, California

Team Members

Eugene Dolan	Randy Pfister
Sarah Morgan	Sree Sripada

Accepting the Project Award

Keith L. Lively
Project Leader



DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS

Test Management Projects

US Air Force Test Pilot School
Edwards Air Force Base, California

Team Members

Gary Aldrich	Lt. Col. Timothy R. Jorris
Dan Carroll	Sharlene A. Lim
Lt. Col. Andrew B. Freeborn	Lyn McNeely
William R. Gray	David L. Vanhoy
Maj. Swami B. Iyer	Lt. Col. Mike Young

Accepting the Project Award

Col. Noel Zamot
Project Leader



James Webb Space Telescope 1/3-Scale Sunshield Cryogenic Testing

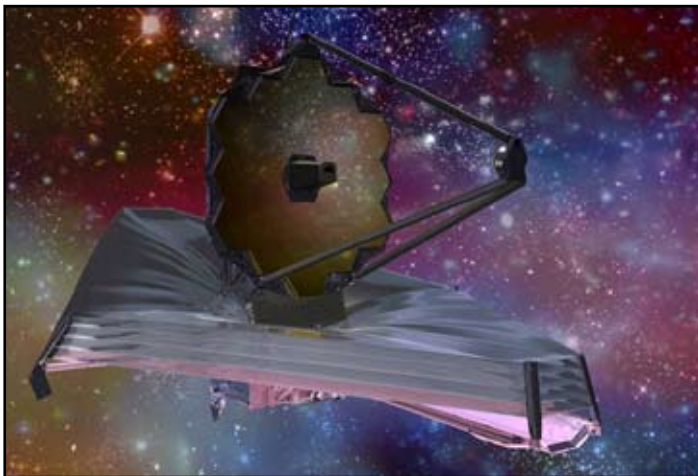
Northrop Grumman Aerospace Systems
Redondo Beach, California

Team Members

Jonathan Chang	John Pohner
George Harpole	Michael Ryan
Lisa Martin	Kevin Sewell
Doug Northop	John Smolik
Christopher Patton	

Accepting the Project Award

William Burt
Project Leader



RS-68A Engine Certification Test

Pratt & Whitney Rocketdyne
Canoga Park, California

Team Members

Cory R. Acosta	Matthew J. Scardino
Roger E. Berenson	Timothy D. Szamborski
Debra Kreuger	Nacer B. Thomas
Carlos A. Rivera	

Accepting the Project Award

Anne Y. Kotake
Project Leader



DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS

BAMS Ice Protection System

Northrop Grumman Aerospace Systems
San Diego, California

Team Members

Tom Ferguson	Pavel Shamara
Bill Forrest	Gary Speiser
Dan Rechen	Javier Vasquez

Accepting the Project Award

Jim E. Lincoln
Project Leader



SSME Low Pressure Oxidizer Turbopump 2425 High Torque Investigation

Pratt & Whitney Rocketdyne
Canoga Park, California

Team Members

James W. Brinkman	Gale C. Dickinson
Thomas E. Comer	David W. Lang
Alan S. Crawford	George O. Roberts
Xavier Diaz	

Accepting the Project Award

Elizabeth A. Chilcoat
Project Leader



William B. Johnson International Inter-Professional Founders Award

To

Charles Olsefsky

Exexutive Committee Chairman
Build Rehabilitation Industries
Sylmar, California



Charles Olsefsky

Presented by

William J. Johnson

Director-at-large
The Engineers' Council
Sherman Oaks, California

In 1955 Bill Johnson was one of the founders of the Engineers' Council. Bill had an untiring commitment to form and build the Council into a unified and effective body representing all facets of the engineering and scientific community. His standards and professional aura were to emulate perfection and elegance.

He was laying the groundwork for the younger generation to participate and enjoy the future in leading and influencing the developing international engineering community. Bill was considered the backbone of the Council. He chose giving recognition to outstanding people as a means of providing a model of excellence.

The William B. Johnson International Inter-Professional Founders Award was established by the San Fernando Valley Engineers' Council to perpetuate the image and memories of Bill – his leadership, methods, fortitude, standards, efforts and achievements with compassion for others while focusing on bettering the engineering community. Selection of recipients for this award reflects his image.

Past Recipients

William B. Johnson	1982	Jack L. Ferrell	1996	Jeffrey S. Kincaid	2004
George J. Hallinan	1990	Byron K. Wood	1997	Capt. George T. Mellen II, USAF	2005
Dr. John J. Guarrera	1991	Jim Albaugh	1998	Robert B. Tarn	2006
Lloyd W. Higginbotham	1992	Sherman N. Mullin	1999	Richard C. Peters	2007
Roland V. Roggero	1993	James S. Paulsen	2000	Dr. Sharlene Katz	2008
Norman Shaffier	1994	Maynard "Joe" Stangeland	2001	Dr. S. K. Ramesh	2009
Alan R. "Al" Bjorklund	1995	John B. Plowden	2003		

***OUTSTANDING ENGINEERING
ACHIEVEMENT MERIT AWARDS***

Brian Y. Nakasone

Pratt & Whitney Rocketdyne
Canoga Park, California

For outstanding contributions towards the development of new technologies and the advancement of the state-of-the-art in Combustion Devices for Rocket Propulsion

Robert J. Blomquist, Jr.

Pratt & Whitney Rocketdyne
Canoga Park, California

For outstanding test execution, test operations mentoring, and leadership during development and certification of the RS-68A engine

Dr. Jeffrey Wiegley

California State University Northridge
Northridge, California

In recognition of outstanding leadership and contributions to the University in technology innovation and entrepreneurial activities with industry

Jonathan D. Almond

Northrop Grumman Aerospace Systems
San Diego, California

For outstanding contributions in the area of Guidance, Navigation and Control to the Fire Scout system, critical to our nation's security

Mitul Jambusaria

Pratt & Whitney Rocketdyne
Canoga, Florida

For outstanding contributions to the development and certification of the RS-68A Rocket Engine System

Gary E. Gilmartin

Pratt & Whitney Rocketdyne
Canoga Park, California

For attention to detail in supporting safe flight of the Space Shuttle Main Engines

Harry P. Selby


Lockheed Martin Aeronautics Company
Palmdale, California

For creating a one-of-a-kind tool to simulate and analyze discrete gust loading on airships that satisfies FAA and the European Aviation Safety Agency gust and turbulence load requirements

R. Freeman Straub

Accurate Engineering Services
Woodland Hills, California

For outstanding service to the Engineers' Council as Charitable Giving Committee Chairperson



THE DESIGNS OF TODAY LEAD TO THE DESTINATIONS OF TOMORROW.

Boeing proudly supports The Engineers' Council as it recognizes today's brightest engineering achievements. With talent and expertise like this, the possibilities are limitless.

 **BOEING**

PAST RECIPIENTS OF THE ENGINEER OF THE YEAR AWARD



1959 Roy E. Marquardt	1985 Phillip V. King
1960 Richard Bradshaw	1986 Sophia K. Ashley
1961 Milford G. Childers	1987 Dr. Rodney A. Boudreaux
1962 Paul R. Vogt	1988 George J. Hallinan
1963 George T. Harness	1989 Paul H. Lane
1964 Ralph Balent	1990 William F. Ezell
1965 Clarence L. Johnson	1991 Edward G. Linhart
1966 Steven J. Domokos	1992 Sherman N. Mullin
1967 James A. Broadston	1993 Robert D. Paster
1968 Dr. Arnold M. Levine	1994 Byron K. Wood
1969 Willis M. Hawkins	1995 Jack S. Gordon
1970 Ralph A. Lamm	1996 Ernest Schaeffer
1971 Arthur A. Daush, Jr.	1997 Paul B. Smith
1972 Dr. R.N. Ghose	1998 Anthony Joseph Spear
1973 John J. Guarrera	1999 Robert Goetz
1974 Elliott H. Green	2000 Dr. Michael E. Polites
1975 Mathew C. Ek	2001 Dr. Charles Volk
1976 Sam F. Iacobellis	2002 Maynard L. "Joe" Stangeland
1977 Lon L. Sanders	2003 E.R. "Ed" Glasgow
1978 Norman J. Ryker	2004 Norman S. Sakamoto
1979 Donald C. Tillman	2005 Thomas R. Gavin
1980 Dominick J. Sanchini	2006 John B. Plowden
1981 Ben R. Rich	2007 Thomas W. Blakely
1982 Dr. Paul B. MacCready	2008 Jeffrey S. Kincaid
1983 Charles G. Fargo	2009 Frank Flores
1984 Dr. Malcom Currie	2010 Daniel A. Tazartes

**ENGINEER OF THE YEAR AWARD
and
PETER RECCHIA OMNI AWARD**

To

Eric D. Knutson

Director of Advanced Projects
Lockheed Martin Aeronautics Company
Palmdale, California



Eric D. Knutson

Presented by

Daniel A. Tazartes

Director of Advanced Technology
Northrop Grumman Navigation Systems Division
Woodland Hills, California

PETER RECCHIA OMNI AWARD

The movies have their Oscars, the television industry has its Emmy, and The Engineers' Council presents, for the thirty-ninth time, its Engineering Omni Award. This award was first presented in 1973 to the Engineer of the Year, San Fernando Valley. Since then, each succeeding Engineer of the Year has been awarded this beautiful, original trophy conceived, designed, and produced by Peter Recchia, PE, SME, AIEE. Mr. Recchia was a dedicated supporter of the engineering community and when he passed away, the Engineering Omni Award was renamed in his honor, "The Peter Recchia Omni Award."

DISTINGUISHED ENGINEERING ACHIEVEMENT AND ENGINEERING EDUCATOR AWARDS

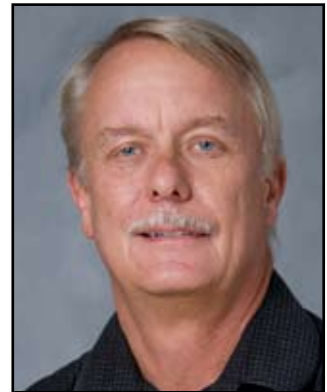


Alan R. Brown
Pratt & Whitney Rocketdyne
Canoga Park, California

For excellent leadership of the Pratt & Whitney Rocketdyne Materials & Processes Disciplines applied to liquid propulsion programs, and integrating the people and processes into a strong and highly specialized team

Dr. Michael J. Kabo
California State University
Northridge Northridge, California

In recognition of outstanding contributions to the field of bioengineering as a teacher and researcher; extensive support of students through advisement and project supervision, and as an academic leader



Randy D. Degroot
Lockheed Martin Aeronautics
Company Palmdale, California

In recognition of technical excellence as a respected industry leader whose work has advanced the state of the art in advanced RF systems

Gloria A. Murphy
National Aeronautics and Space Administration
Kennedy Space Center, Florida

For outstanding leadership and growth of NASA's Engineering Educational Programs through innovative national projects that reach thousands of engineering students and faculty



DISTINGUISHED ENGINEERING ACHIEVEMENT AND ENGINEERING EDUCATOR 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 dedication and real time decisions that have played a vital role in Space Shuttle success

Kevin T. Knudsen
The Boeing Company
El Segundo, California

For effective leadership in the development and application of energy, propulsion, defense and space systems technologies, while consistently delivering on cost, quality and schedule commitments



Randall K. Curey
Northrop Grumman Navigation Systems Division
Woodland Hills, California

For distinguished contributions in the development, design, integration, and test of multi-function inertial and GPS navigation systems, and for the commitment to standards development benefitting the engineering community

Michael Shin
Pacific Testing Laboratories
Valencia, California

For outstanding contributions and leadership in the field of printed circuit boards and assemblies, and for the technical support and analyses of PCB manufacturing processes and failures



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

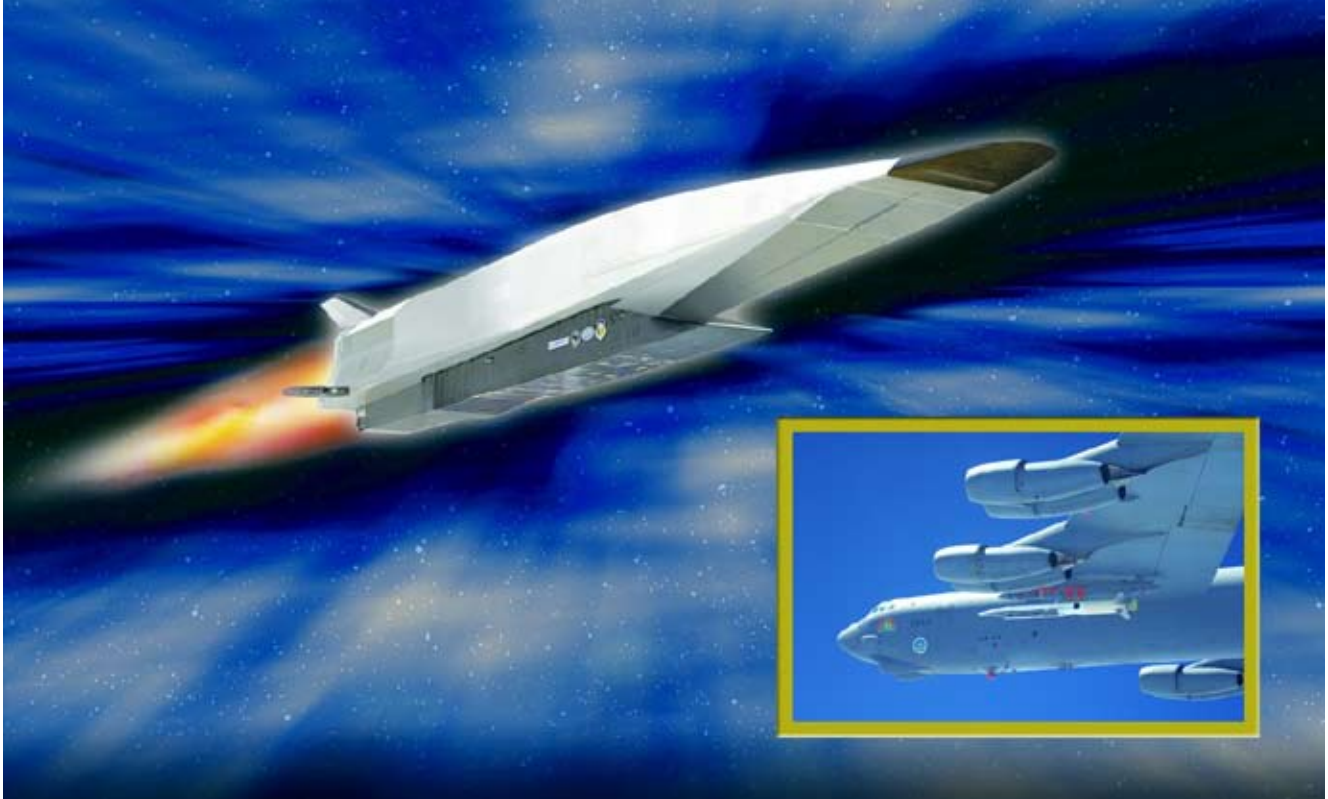
The Boeing Company

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



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 ACHIEVEMENT AND ENGINEERING EDUCATOR AWARDS



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*

J. Pat Rogers

The Boeing Company
Huntington Beach, California

*For more than 35 years of test experience supporting major Boeing programs,
while demonstrating model leadership, personal humility, commitment to the
highest standards of technical integrity, and dedication to teammates*



Lt. Col. Timothy R. Jorris, PhD
US Air Force Test Pilot School
Edwards Air Force Base, California

*For contribution to academics and engineering including classroom
and airborne instruction, X-51 technical review, mentoring via
technical paper co-authoring, and developing new flight test and data
analysis techniques*

Kevin J. Picklesimer

Northrop Grumman Navigation Systems Division
Woodland Hills, California

*For distinguished contributions in the development, design,
analysis, and implementation of inertial and GPS navigation
systems as well as integrated avionics systems*



DISTINGUISHED ENGINEERING ACHIEVEMENT AND ENGINEERING EDUCATOR AWARDS



Satinder P. Gill
Pratt & Whitney Rocketdyne
Canoga Park, California

For contributing to the development and implementation of the systems engineering discipline, and advancing the knowledge of advanced space propulsion and power

Dr. Meyya Meyyappan
NASA Ames Research Center
Moffett Field, California

For contributions to application development, education and leadership in nanotechnology



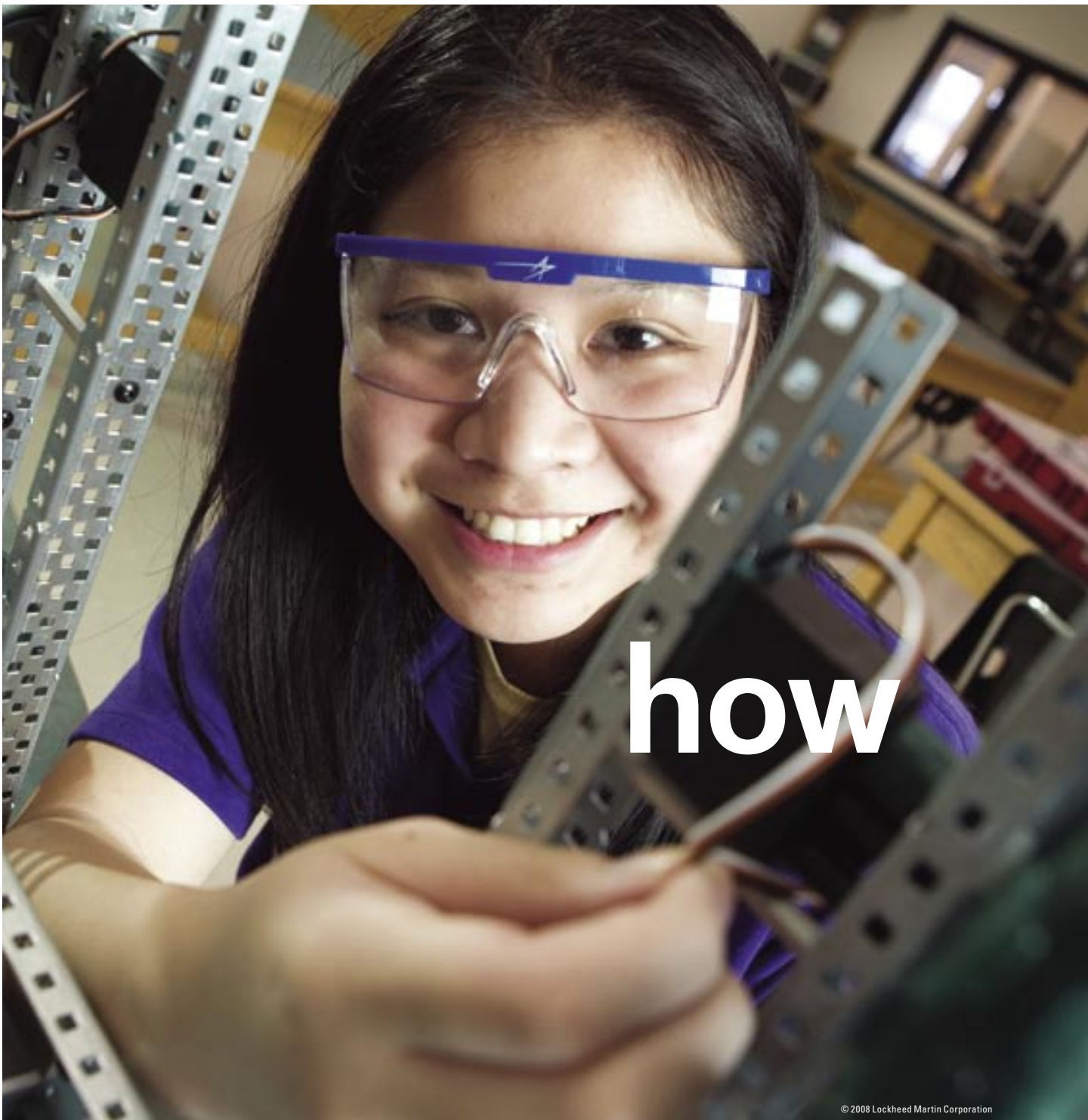
Steven Stepanek
California State University Northridge
Northridge, California

For outstanding leadership and contributions over two decades as a Computer Science Educator, Academic Administrator, and Faculty President at CSU Northridge, and dedicated service as a Statewide CSU Senator.

John E. Larson
Pratt & Whitney Rocketdyne
Canoga Park, California

For excellent leadership of the Pratt & Whitney Rocketdyne Structural Analysis Discipline applied to liquid propulsion programs, and integrating the people and processes into a strong and highly specialized team





© 2008 Lockheed Martin Corporation

**BETWEEN DREAMS AND ACHIEVEMENTS,
THERE IS ONE IMPORTANT WORD: HOW.**

To shape the future, you must shape young minds. We're proud to support a host of programs aimed at educating the next generation of engineers, scientists, and mathematicians. Ensuring the technological future of our country is all a question of how. And it is the how that makes all the difference.

lockheedmartin.com/how

LOCKHEED MARTIN 
We never forget who we're working for®

Clarence L. “Kelly” Johnson Skunk Works Award

To

Frank J. Cappuccio

Executive Vice President
Lockheed Martin Aeronautics Company
Palmdale, California

Presented by

Neil Kacena

Vice President Advanced Development Programs
Lockheed Martin Aeronautics Company
Palmdale, California



Frank J. Cappuccio

For leadership of Lockheed Martin Skunk Works in the development of new and advanced technologies that have built upon the solid foundation established by Kelly Johnson’s “14 rules” and set the standard for performance well into the future

Clarence L. “Kelly” Johnson’s achievements captured every major aviation design award and made him an aerospace legend, but he may be best known for organizing the Lockheed Skunk Works in 1943. Kelly played a leading role in the design of more than forty aircraft and he received more than forty aircraft design awards and honors, including two Collier Trophies, two Theodore von Kármán awards, the Wright Brothers Memorial Trophy, two Sylvanus Albert Reed Awards, and the Daniel Guggenheim Medal. In 1964, President Lyndon Johnson presented him with the nation’s highest civilian honor, the Medal of Freedom. President Ronald Reagan honored Kelly Johnson with the National Society Medal in 1983 and the National Medal of Technology in 1988. Kelly was enshrined in the Aviation Hall of Fame in 1974. The Clarence L. “Kelly” Johnson Skunk Works Award is established to honor and to perpetuate his qualities, accomplishments, and standards as a model of excellence to be aspired to by future generations of engineers pioneering programs of the future.

“The Skunk Works is a concentration of a few good people solving problems far in advance – and a fraction of the cost – by applying the simplest, most straightforward methods possible to develop and produce new products.” — *Kelly Johnson*

Past Recipients

Clarence L. “Kelly” Johnson (Posth.)	1992	Natalie W. Crawford	1999	Dr. Anthony J. Tether, DARPA	2006
Maj. Gen. James A. Fain, Jr., USAF	1993	Burt Rutan	2000	Richard Hepe, LMAC	2007
Major Gen. Richard Scofield, USAF	1994	Sherman N. Mullin	2001	Gen. Gregory “Speedy” S. Martin (ret.)	2008
Ben R. Rich (Posthumously)	1995	Lt. Gen. Bruce Carlson, USAF	2002	Abraham Karem	2009
Gen. Joseph W. Ralston, USAF	1996	Lt. Gen. Michael A. Hough, USMC	2003	Thomas J. Cassidy, Jr.	2010
Gen. Howell M. Estes III, USAF	1997	Lt. Gen. Harold W. Blot, USMC (ret.)	2004		
Lt. Gen. George K. Mueller, USAF	1998	Dain M. Hancock, LMAC	2005		

OUTSTANDING ENGINEERING ACHIEVEMENT MERIT AWARDS

Curtis L. Davis

Pratt & Whitney Rocketdyne
Canoga Park, California

For outstanding dedication and technical excellence in supporting safe flight of the Space Shuttle Main Engines

1st Lt. Marissa C. Lentowski

United States Air Force
Edwards Air Force Base, California

For engineering and leadership enabling the latest technology to be fielded to the B-1 Bomber community, ensuring rapid power projection of United States Armed Forces

Nicola J. Wagner

Lockheed Martin Aeronautics Company
Palmdale, California

For dedication to the profession of ensuring that our war fighters have mission-critical support, and the technology to achieve success

Gregory F. Kayser

Pratt & Whitney Rocketdyne
Canoga Park, California

For outstanding leadership in braze process development supporting the manufacture of J-2X Gas Generator, Main Injector and Regen Nozzle components

Aram G. Khachatourians

California State University Northridge
Northridge, California

For accomplishments in product design, industrial integration, teaching, student mentorship, and community service

Sam Dimashkie

Northrop Grumman Navigation Systems Division
Woodland Hills, California

For outstanding contributions in the characterization and understanding of fiber optic gyroscopes utilized for inertial navigation

Wesley D. Goodin

Pratt & Whitney Rocketdyne
Canoga Park, California

For a remarkable job of leading the team to successful completion of the first turbopump set for J-2X engine E10001, completing the pumps months ahead of the baseline schedule

Damon R. Laudy-Siragusa

Pratt & Whitney Rocketdyne
Canoga Park, California

For outstanding technical support of the RS-68A Certification Team in areas of test data reduction, structural analysis and customer review support

JOHN J. GUARRERA ENGINEERING EDUCATOR OF THE YEAR AWARD

To

Dr. Melvin A. Breuer

Professor
University of Southern California
Los Angeles, California

Presented by

Dr. Charles H. Volk

Vice President and Chief Technology Officer
Northrop Grumman Navigation Systems Division
Woodland Hills, California



Dr. Melvin A. Breuer

The Engineering Educator of the Year Award is given in recognition of significant achievements by the professor in the successful involvement of students in learning, research and in the application of science and mathematics to the solution of problems in engineering design or theory.

Recognition of a top educator began in 1982, with the "Education Achievements Award". In 1985, the top educator award was renamed the "Distinguished Education Achievements Award", which became the "Distinguished Engineering Education Achievements Award" in 1987. At the National Engineers Week Banquet of 1991, the award became the "Engineering Educator of the Year Award".

In honor of The Engineers' Council founding member, this award bestowed upon the top educator was renamed the "John J. Guarrera Engineering Educator of the Year Award."

Past Recipients

Dr. Alfonso F. Ratcliffe	1982	Dr. John W. Adams	1994	Dr. Mihri Ozkan	2006
Dr. Robert Y. Wong	1983	Dr. Sembian R. Rengarajan	1995	Dr. Diane Schwartz	2007
Dr. Edmond S. Gillespie	1984	Dr. Roger Di Julio	1996	Dr. Behzad Bavarian	2008
Dr. Thelma Estrin	1985	Dr. Martin S. Roden	1997	Dr. Chi-Tsen Lin	2009
Dr. Gregg W. Dixon	1986	Dr. Ramin Roosta	1998	Dr. Hamid Johari	2010
Dr. Michael A. Melkanoff, P.E.	1987	Dr. Helen A. Ryaciotaki-Boussalis	2000		
Dr. Diane Schwartz	1988	Dr. Sharlene Katz	2001		
Dr. Larry Lichten	1989	Dr. Stewart Prince	2002		
Dr. B. J. Shell	1991	Dr. Nagwa Bekir	2003		
Dr. Mihran S. Agbabian	1992	Tarek A. Shraibati	2004		
Dr. Michael Hassul	1993	Dr. Robert G. Ryan	2005		

DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS

Fire Scout Universal Control Station UAE Demonstration Support

Northrop Grumman Aerospace Systems
San Diego, California

Team Members

Tomas A. Bateman	Paul Dominguez	Michael Roberts
Mike Beanes	Brian Gorski	Jeff Smith
Greg Bowman	Matt McEwen	Kevin Walls

Accepting the Project Award

Dave Scatena
Project Leader



Harvest HAWK Mission Systems

Lockheed Martin Aeronautics Company
Palmdale, California

Team Members

Margaret Burgoon	Stephen Halbgewachs	Thuong Le
Shirley Chen	Tom Hanley	Jessica Miller
David Daggett	Jennifer Heckman	Steve Reiman
David Geiwitz	Zoe Kenney	Susan Savastinuk
Richard Gordon	Ladonna Kirby	Mark Towle
David Guzman	William Koehler	Ken Wong

Accepting the Project Award

Keith Pedersen
Project Leader



Falcon Hypersonic Technology Vehicle First Flight

Lockheed Martin Aeronautics Company
King of Prussia, Pennsylvania

Team Members

Steve Grosslight
Rob Vermeland

Accepting the Project Award

Robert Wetherall
Project Leader

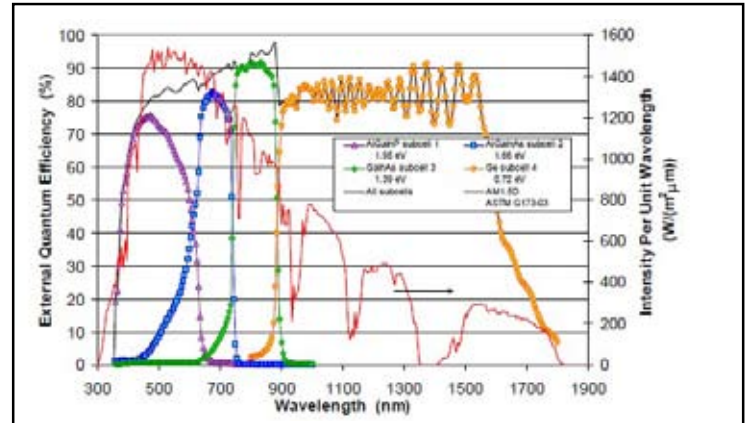


DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS

Advanced Cell Efficiency

Spectrolab
Sylmar, California

Accepting the Project Award
Richard King
Project Leader



B-2 EHF Increment 1 Successful First Flight of New High-Speed Fiber Optic Network

Northrop Grumman Aerospace Systems
Palmdale, California

Steve Barnhart
Jimmy Blair
Jacob Boyer

Team Members

Caleb Dacus
Mark Heiberger
Chris Hladik
Trent Howard

Timothy King, Jr.
Justin Livermore
Chris Valentas

Accepting the Project Award

Samuel McKnight
Project Leader



High technology with a human touch.

www.northropgrumman.com

▼ **CONGRATULATIONS ENGINEERS COUNCIL AWARD RECIPIENTS!**

Jack Northrop Spirit of Innovation Award – Clayton Kau

Outstanding Engineering Achievement Merit Award – Jonathan Almond

Distinguished Engineering Project Achievement

- *Fire Scout Universal Control Station UAE Demonstration Support Team*
- *JWST Cryogenic Testing of the 1/3-Scale Sunshield*
- *Airborne Laser In-Flight Lasing and Shootdown*
- *Tier One Material Inspection System (TOMIS)*
- *Aerodynamic Efficiency Improvement - Swept Wing Laminar Flow Control TRL=6 Flight Test*
- *BAMS Ice Protection System*
- *Global Hawk Block 10 Service Life Assessment*
- *Euro Hawk Unmanned Air Vehicle First Flight Team*
- *Global Hawk Communication Payload Integration and Flight Test Team*
- *Global Hawk Sloped Runway Flight Team*
- *Global Hawk Air Vehicle Modifications for Communications Payload*
- *B-2 EHF Increment 1 Successful First Flight of New High Speed Fiber Optic Network*
- *RQ-4B Global Hawk Block 30 / 30+ Airworthiness Stress Report*

Jack Northrop Spirit of Innovation Award

To

Clayton K. S. Kau

Vice President of Aerospace Products, Retired
Northrop Grumman Aerospace Systems
Redondo Beach, California



Clayton K. S. Kau

Presented by

Frank Flores

Vice President of Engineering
Northrop Grumman Aerospace Systems
El Segundo, California

“For outstanding contribution to the engineering profession and application of engineering to meeting the nation’s needs”

The Jack Northrop Spirit of Innovation Award commemorates the vision, perseverance and engineering prowess reminiscent of aviation pioneer Jack Northrop, whose achievements and techniques broke the barriers of traditional aircraft design.

The Engineers’ Council bestows this award in honor of the individual technical contributions that inspire innovation and advance the progress of the industry.

Past Recipients

Douglas E. Wood	2006	Charles Tomita	2008	Dr. John M. Papazian (posth.)	2010
Paul Marchisotto (posth.)	2007	Douglas L. Fronius	2009		

**OUTSTANDING ENGINEERING
ACHIEVEMENT MERIT AWARDS**

Fredrick 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

Arthur J. Hill

Pratt & Whitney Rocketdyne
Canoga Park, California

For outstanding technical support to the SSME Systems/ Avionics and Integration team and greatly contributing to flight safety

Joseph C. Friant

Pratt & Whitney Rocketdyne
Highlands Ranch, Colorado

For flawless field and launch support, exceptional working-level technical support and exceptional contributions to 100% mission success of Delta and Atlas Rockets

Dan Poersch

Lockheed Martin Aeronautics Company
Palmdale, California

For excellent work in advancing technologies associated with outdoor RCS measurement, and for providing significant technical leadership in the specialized field of electromagnetic-related mechanical engineering

Patrick M. Montgomery

Teledyne Brown Engineering
Huntsville, Alabama

For outstanding performance in System Engineering development of the Ares I First Stage launch vehicle

R. Andrew Kuhn

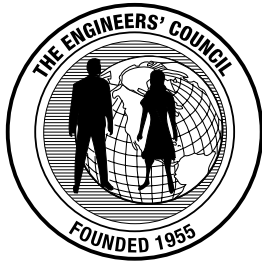
Pratt & Whitney Rocketdyne
Stennis Space Center, Mississippi

For exemplary leadership of knowledge management, continuous improvement, project management and technical deliverables associated with current and future NASA manned space flight programs

Sonja Domazet

Northrop Grumman Navigation Systems Division
Woodland Hills, California

For outstanding service to the Engineers' Council as Technical Conference Chairperson



The Engineers' Council
Sherman Oaks, California

Congratulates

2011 NATIONAL ENGINEERS
WEEK HONOREES

And

Thanks Engineers Week Participants

AIAA San Fernando Pacific	General Chuck	Northrop Grumman
Air Force Flight Test Center	Yeager Foundation	Aerospace Systems
Edwards Air Force Base	Hamilton Sundstrand/Pomona	Northrop Grumman
ASQ San Fernando Valley	IEEE San Fernando Valley	Navigation Systems Division
The Boeing Company	Jet Propulsion Laboratory/NASA	Pratt & Whitney Rocketdyne
CSUN College of Engineering & Computer Science	Lockheed Martin	SME San Fernando Valley
	Aeronautics Company Palmdale	

Your participation enables us to further our mission, to promote science and engineering careers, provide educational enrichment in science and engineering, and recognize student achievement in the art and science of engineering for the general welfare of humankind.

In the year 2010, the Engineers' Council contributed to its educational and charitable programs, which included the following:

Scholarships

- CSUN Foundation Scholarship Fund
- Scholarships to graduating seniors from Canoga Park, Chaminade, William Howard Taft, El Camino Real, Granada Hills, James Monroe and Palmdale High Schools

Educational Enrichment

- Major Sponsor of LADWP/LAUSD Science Bowl
- Sponsor of CSPE MATHCOUNTS Competition at CSUN
- Sponsor of LA County Science Fair
- El Camino Real & Chaminade, FIRST Robotics Teams
- VEX Los Angeles Regional Robotics Championship Volunteers

Engineering Education

- Engineers Week Systems & Software Engineering, Biotechnology, and Clean Fuel/Alternative Energy Conference

DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS



Euro Hawk Unmanned Air Vehicle First Flight Team

Northrop Grumman Aerospace Systems
San Diego, California

Accepting the Project Award

James Kohn
Project Leader

F-22 GPS/INS Flight Safety Software

Northrop Grumman Navigation Systems Division
Woodland Hills, California

Team Members

Larry Attkisson	Bevan Carr	Andrew Jacobsen
Steven Bauer	Mike Cordes	David Rasmussen
Wayne Brooks	Paul Dunn	Greg Salvagni
Hortencia Marbeya Brown	Michael T. Ellis	Maria Zevallos
	Lee Hileman	

Accepting the Project Award

Michael Sadlowski
Project Leader



THAAD Valve Driver Assembly Improvement

Pratt & Whitney Rocketdyne
Canoga Park, California

Team Members

Daniel R. Balcazar	Maria C. Haro	Rodney W. Noble
Shirley J. Barela-Belzano	Chris V. Hoang	Terry D. Riffle
Larry T. Coady	Mary G. Kinder	Larry M. Salaz
Glenn B. Davis, Jr.	Richard Y. Liu	Matthew C. Widman

Accepting the Project Award

Patrick A. Buckley
Project Leader

DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS

Global Hawk Sloped Runway Flight Test

Northrop Grumman Aerospace Systems
San Diego, California

Accepting the Project Award

Ed De Reyes
Project Leader



H-1 Weapons Systems Support Activity

Northrop Grumman Navigation Systems Division
Woodland Hills, California

Team Members

Pablo Borruel	Lana Hom	Eric Mitobe
Scott Fisher	Nelson Kang	Hung Tran
Franklin Harvey	Michael LeVantine	James Weekley
Lars Helstrom	Niko Loukatos	Paul Wu
	Marvin McGlynn	

Accepting the Project Award

Robert Impellizzeri
Project Leader



General Chuck Yeager Foundation

P.O. Box 579
Penn Valley, CA 95946



Mission Statement

The General Chuck Yeager Foundation is dedicated to the enhancement and enrichment of young people's lives through programs that are focused on the principals that Chuck Yeager has exemplified.

These include the thirst for knowledge in scientific fields including aviation, perpetuating the idea of honor and dedication to serve one's fellow man and one's country, and preserving the ideals and image of an American hero.



www.ChuckYeager.com



ASQ

The Global Voice of Quality

San Fernando Valley Section

During Engineers' Month, the San Fernando Valley Section (0706) of the American Society for Quality (ASQ) would like to acknowledge the key role of Quality Engineers in industry.

By making quality a global priority, an organizational imperative, and a personal ethic, the American Society for Quality becomes the community for everyone who seeks quality concepts, technology, and tools to improve themselves and their world.

Congratulations to the quality professionals who assure compliance to the requirements and regulations of industry.

The 2010-11 ASQ Section 0706 Board,

Debbie Kancel, Section Chair

Brigadier General Charles E. “Chuck” Yeager International Aeronautical Achievements Award

To

Charles F. Brink
X-51 Program Manager
Air Force Research Laboratory
Wright Patterson AFB, Ohio



Charles F. Brink

Presented by
Dr. Mark Lewis
Department of Aerospace Engineering
A. James Clark School of Engineering
Univeristy of Maryland

For achieving sustained hypersonic flight of a hydrocarbon-fueled and thermally balanced scramjet powered vehicle, demonstrating a new regime of efficient high Mach flight and opening a new era in aeronautics

During World War II, General Yeager distinguished himself in aerial combat over France and Germany by shooting down 13 enemy aircraft. He was shot down over German-occupied France but managed to escape capture with the help of the French Maquis.

His subsequent assignments included test pilot of the Nation’s first research rocket aircraft, in which he became the first person to fly faster than the speed of sound on October 14, 1947, Commander of the 417th Fighter Squadron, Aerospace Research Pilot School, 405th Fighter Wing in South Vietnam, 4th Tactical Fighter Wing in Korea, and Vice Commander of the Seventeenth Air Force after promotion to Brigadier General. He has flown 341 types of aircraft during his career and has more than 11,000 hours of flight time. His military decorations and awards include The Distinguished Service Medal with one oak leaf cluster, The Silver Star with one oak leaf cluster, The Legion of Merit with one oak leaf cluster, The Distinguished Flying Cross with two oak leaf clusters, The Bronze Star Medal with “V” device, The Purple Heart, Distinguished Unit Citation Emblem with one oak leaf cluster, and the Air Force Outstanding Unit Award Ribbon.

Selection of recipients for this distinguished award reflects a lifetime career of dedication to the progress of aerospace technology.

Past Recipients

Brig. General Charles E. “Chuck” Yeager, USAF	1987	Jack Real	1996	Maj. Gen. Doug Pearson, USAF	2004
Maj. Gen. Joe H. Engle, USAF	1988	David L. Ferguson	1997	Roy Martin, NGC	2005
Robert A. “Bob” Hoover	1989	Maj. Gen. Richard L. Engel, USAF	1998	Lt. Col. Dawn M. Dunlop, USAF	2006
Robert R. Sandusky, Jr.	1990	Bruce Hinds	1999	Col. Frank Borman, USAF (ret.)	2007
Joseph T. Gallagher	1993	Jon S. Beesley	2000	Col. David R. Scott, USAF (ret.)	2009
Edward C. “Pete” Aldridge, Jr.	1994	Lt. Gen. Thomas J. Keck, USAF	2001	Sean D. Tucker	2010
Franklin Chang Diaz	1995	Gen. John P. Jumper, USAF	2002		
		Col. Russell E. Schlee, USAF	2003		

DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS

Tier One Material Inspection System

Northrop Grumman Aerospace Systems
El Segundo, California

Team Members

Benjamin Ankrum	Tony Andrade De La Torre	Jimmy McGuire
Jim Ayers	Richard Delacruz	Joshua Peterson
Rob Berg	Michael Geesing	Jesse Rayad
Ric Cory	Cynthia Kojima	Billy Shaw
	Amy Komins	Kent Tam

Accepting the Project Award

John R. Ireland
Project Leader



Pilot Plant Gasifier Development

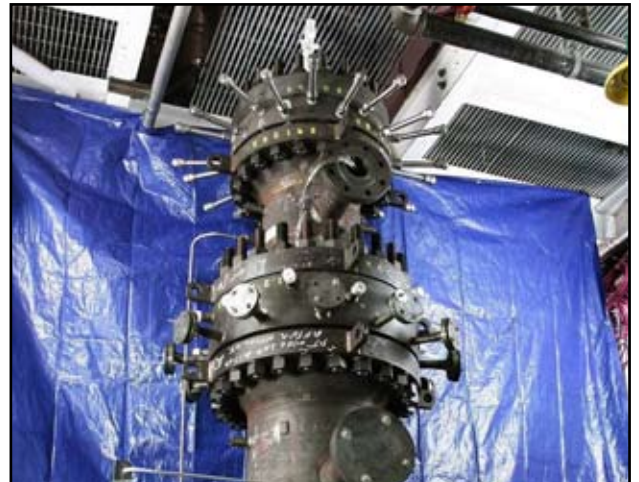
Pratt & Whitney Rocketdyne
Canoga Park, California

Team Members

Maral Bebejian	Seth D. Hahn	Charles M. Taylor
David L. Grimmett	Shinjiro Miyata	Rick R. Wilson
Mark Haferling	Marinelle B. Peneda	Stephen A. Yows
Gregory J. Hagelston	Chandrashekhar G. Sonwane	

Accepting the Project Award

Dr. Steven P. Fusselman
Project Leader



Swept Wing Laminar Flow Control Aerodynamic Efficiency Improvement Flight Test

Northrop Grumman Aerospace Systems
Redondo Beach, California

Team Members

Michael Alsbury	Dr. Aaron G. Drake	Peter Siebold
Eric Andersen	Andrea J. Korntheuer	William D. Solomon
Anne M. Bender	David S. Rapinchuk	Steven F. West
William F. Benesch	Shane M. Schouten	Brandon Wood
Andrew L. Carpenter	Elliot Seguin	

Accepting the Project Award

Steven C. Komadina
Project Leader



DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS

Dry Solids Pump Development

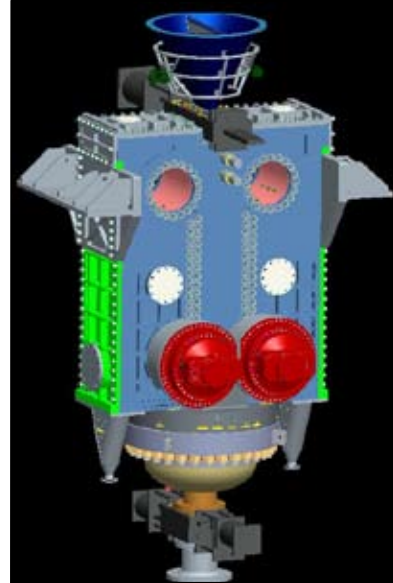
Pratt & Whitney Rocketdyne
Canoga Park, California

Team Members

Lisa E. Bayne	Alejandro Olaguez
John D. Brady	Greg Shelton
Tom J. Emerson	Craig K. Tang
Mark A. Fitzsimmons	Charles M. Taylor
Mark K. Gilster	Rick R. Wilson
David R. Matthews	

Accepting the Project Award

Timothy Saunders
Project Leader



Global Hawk Communication Payload Integration and Flight Test

Northrop Grumman Aerospace Systems
San Diego, California

Accepting the Project Award

Charlie Wentz
Project Leader

MATHCOUNTS 2011

MATHCOUNTS is a National Mathematics Competition sponsored by the National Society of Professional Engineers. The competition is for students from the seventh and eighth grades. A school sends a team of four students and as many as four alternates to the local competition. The team coach is a teacher-volunteer from that school. MATHCOUNTS is an extra-curricular activity for the students and the coach. Study guides and teaching materials are provided to participating schools by the National Society of Professional Engineers.

The team winning the local competition participates in the state competition. A team of very bright students, from individuals competing in the state competition are chosen to represent the state in the national competition in Washington, D.C. This is the 20th year for the NSPE MATHCOUNTS PROGRAM.

Local MATHCOUNTS competition is supported by the Southern Chapters Council of the California Society of Professional Engineers (CSPE). Support at the State and National level for the NSPE MATHCOUNTS competition is by major corporations and local businesses.

THE ENGINEERS' COUNCIL, SHERMAN OAKS, CALIFORNIA RECOGNIZES AND CONGRATULATES THE AWARD WINNERS OF THE 2011 COMPETITION



EAGLE ENGINEERING

"We build for a better tomorrow."



2010 Awards

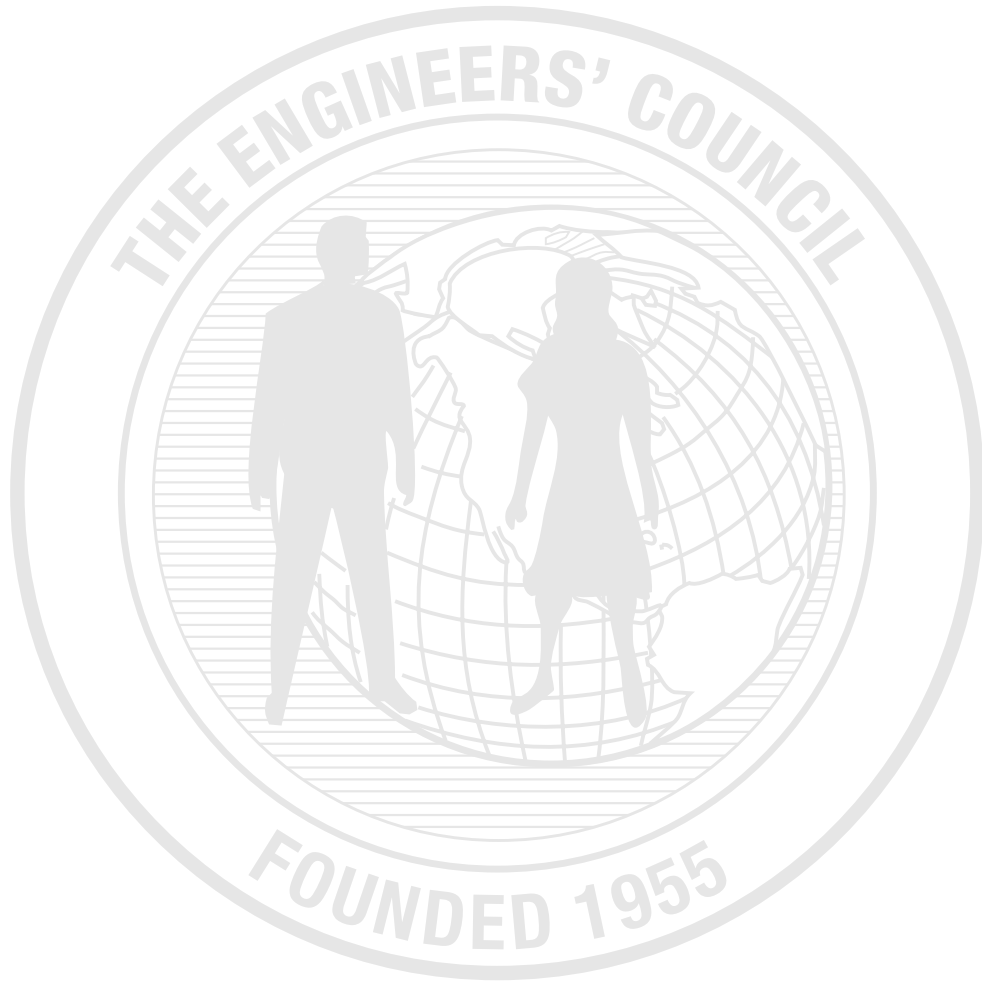
- 2nd Place VEX Online CAD Competition
- 2nd Place VEX Online FUTURE Design Challenge
- Honorable Mention VEX Engineering Design Challenge
- 2010 VEX Cooperate Championship
- VEX Energy Award – CSUN LA Regional
- VEX Energy Award – Tokyo Competition
- VEX Create Award – San Diego Rapsa Competition
- FIRST Los Angeles Safety Award

2011 Corporate Sponsors

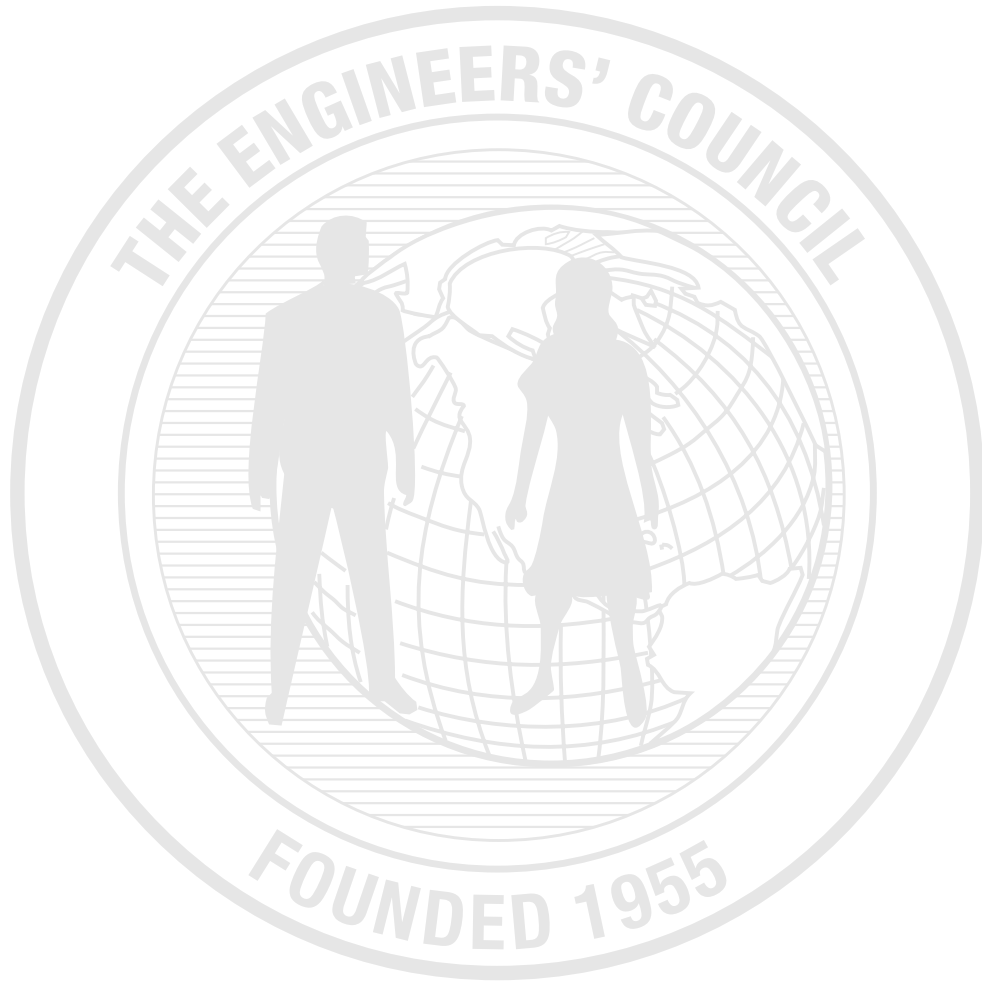
- Pratt & Whitney Rocketdyne (UTC)
- Chaminade College Preparatory
- Xerox
- Jostens
- Tyco Electronics

For information or questions about the Eagle Engineering FIRST and VEX Robotics Teams at Chaminade College Preparatory High School, contact Nancy McIntyre, Robotics Program Director: nmcintyre@chaminade.org (phone 818-347-8300).

NOTES



NOTES



*Graphic Design and Printing Courtesy of
Pratt & Whitney Rocketdyne*

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



Souvenir Program