

ENGINEERS' COUNCIL

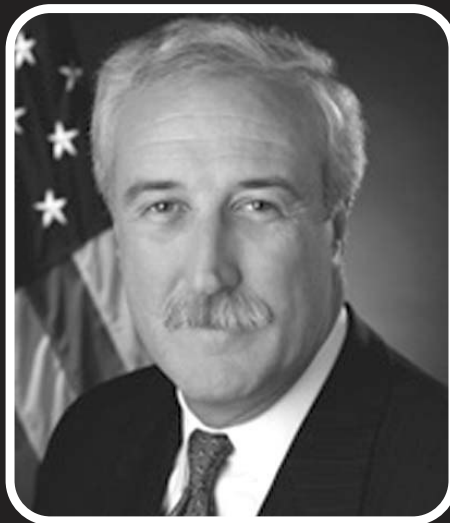
Northridge, California

50th Anniversary **HONORS AND AWARDS BANQUET**

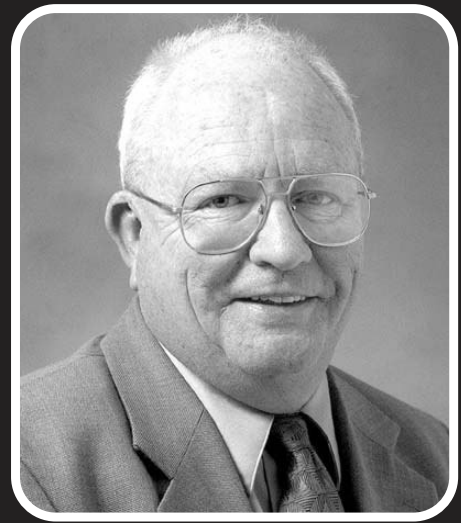
Saturday, February 26, 2005



Souvenir Program



**Keynote Speaker &
Honorary Engineer of the Year:**
Honorable Sean O'Keefe
*10th NASA Administrator
7th Chancellor of Louisiana State University*



Engineer of the Year:
Thomas R. Gavin
*Associate Director
Jet Propulsion Laboratory
Pasadena, California*

In Celebration of National Engineers Week February 20-26, 2005

2005 NATIONAL ENGINEERS WEEK COMMITTEE

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Boeing Rocketdyne Propulsion & Power

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Dr. A. F. Ratcliffe, P.E., FIAE, ASHE
California State University Northridge

R. L. "Ron" Rogers, AIAA
Northrop Grumman Integrated Systems

Special Thanks to the following for their generous support:

- AbilityFirst Contract Services for assembly of the special 50th Anniversary gifts for our attendees.
- Boeing Rocketdyne Propulsion & Power Graphics & Publications for production of the Souvenir Program and support to production of the framed awards.
- LADWP for production of the Engineering Project Achievement Award Team Member certificates
- Lockheed Martin Aeronautics Company for assistance with the cost of audio/visual support.
- Northrop Grumman Integrated Systems for providing a professional photographer for our event.

**Presidential Message for National Engineers Week
February 20-26, 2005**



The White House
Washington

I send greetings to those observing Engineers Week 2005.

Engineering advances our understanding of the world around us and spurs progress in important areas including technology, communications, defense, manufacturing, energy, and the environment. It also contributes to our most vital national priorities: securing our homeland, winning the war on terror, and supporting economic growth and job creation.

Engineers Week provides an opportunity to recognize the many accomplishments of America's engineers and the positive impact they have on our quality of life. In addition, this week encourages the study of math and science, inspires young people to pursue a future in engineering, and promotes the pursuit of excellence.

I applaud America's engineers for your hard work and ingenuity. Your efforts set an example for others and help advance America's legacy of innovation and technological achievement.

Laura joins me in sending our best wishes.

A handwritten signature in black ink, appearing to read "George W. Bush".

Engineers' Council

NORTHRIDGE, CALIFORNIA

1955

A Brief History

2005

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 Electronic Engineers, the Engineers' Council has celebrated National Engineers Week, a national week of recognition, since 1950.

Over the years, the Council's activities have grown from a joint meeting of these societies into today's Annual Gala 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. Over the past 34 years, a host of nationally renowned individuals has proudly received this award.

The Peter Recchia Omni Memorial 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 given 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 individuals who, with the general's concurrence, have attained historically outstanding achievements in the field of aeronautical flight test and engineering.

In February 1993, Lockheed Advanced Development Company granted the Engineers' Council the privilege of using both service marks "Skunk Works" and the stylized "Skunk" in our Clarence L. "Kelly" Johnson Memorial Skunk Works Award.

Through the years, the Engineers' Council has presented numerous 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 San Fernando Valley Engineers' Council Gala Honors & Awards Banquet are used to fund the Engineers' Council college scholarship programs, high school mentoring program, and middle-school math and science educational enrichment program.

San Fernando Valley Engineers' Council
Northridge, California

50th Anniversary
Honors & Awards Banquet
Saturday, February 26, 2005

Reception – 5:00 p.m.

Welcome & Introductions – 6:00 p. m.
Robert B. Tarn, FIAE, AIAA

Dinner

Chairman's Message
Dr. S.T. Mau, FASCE, ASEE

Keynote Address – 7:00 p.m.
Honorable Sean O'Keefe

Presentation of Awards
Robert B. Tarn, FIAE, AIAA
Paul F. Landry
Dr. Charles H. Volk, IEEE
R. L. "Ron" Rogers, AIAA

Closing

◆

PAST RECIPIENTS HONORARY ENGINEER OF THE YEAR AWARD

- 1969 Edward Reineke, California Lt. Governor
- 1970 William Lear, Chairman of the Board, Lear Motors, Reno, NV
- 1971 William F. Rockwell Jr., Chairman of the Board, Rockwell Int.
- 1972 Hon. Donald R. Jackson, Deputy Assistant Secretary, U.S. Air Force
- 1973 Daniel J. Haughton, Chairman of the Board, Lockheed Aircraft Corp.
- 1974 Dr. Christopher C. Kraft Jr., NASA, Lyndon B. Johnson Space Center
- 1975 Burt F. Raynes, Chairman of the Board, Rohr Industries
- 1976 Grant L. Hansen, Vice President and General Manager, General Dynamics, San Diego, CA
- 1977 Aaron Cohen, Manager, Orbitor Project, NASA, Lyndon B. Johnson Space Center
- 1978 Dr. David R. Scott, Former Astronaut, President, Scott-Preyss Associates, Inc., Los Angeles, CA
- 1979 Major General James W. Stansberry, Washington, D.C.
- 1980 Elmer B. Staats, Comptroller General of the United States, Washington, D.C.
- 1981 Douglas T. Ross, Chairman of the Board, SOFTECH, Inc., Waltham, MA
- 1982 Ronald Reagan, President of the United States
- 1983 Malcolm Baldrige, United States Secretary of Commerce
- 1984 James R. Berret, President and CEO, Computervision Corp., Bedford, MA
- 1985 Len J. Weaver, CEng, Executive Chairman, Polymark Int., London, England
- 1986 J. Tracy O'Rourke, President, CEO, Allen Bradley Co., Milwaukee, WI
- 1987 David R. McMurtry, Chairman of the Board, Renishaw PLC, England
- 1988 Jon Michael Smith, Deputy Asst. Administrator for Commercial Programs, NASA Washington, D.C.
- 1989 Dennis E. Wisnosky, President, Wizdom Systems, Inc., Naperville, IL
- 1990 Dick Cheney, United States Secretary of Defense
- 1993 Daniel S. Goldin, NASA Administrator, NASA Hqts., Washington, D.C.
- 1994 Dr. William J. Perry, United States Secretary of Defense
- 1996 Dr. William F. Ballhaus Jr., Corporate V.P., Science & Engineering, Lockheed Martin, Bethesda, MD
- 1997 Donna Shirley, Jet Propulsion Laboratory/Caltech, Pasadena, CA
- 2002 Hon. Donald H. Rumsfeld, United States Secretary of Defense, Washington, D.C.
- 2003 Brig. Gen. Charles E. Yeager, USAF (ret.)

Special Presentation

Honorary Engineer of the Year Award 2005

Presented by

Robert B. Tarn, FIAE, AIAA

President

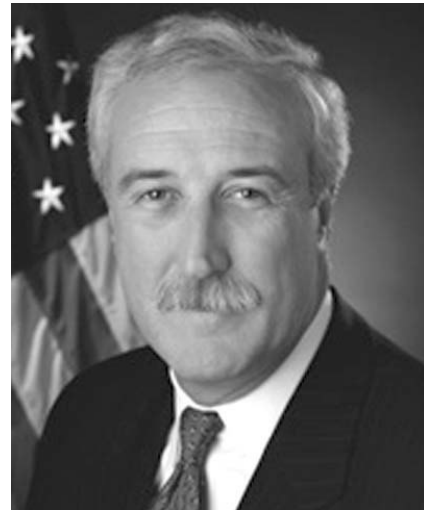
San Fernando Valley Engineers' Council
Northridge, California

to

Honorable Sean O'Keefe

10th NASA Administrator

7th Chancellor of Louisiana State University



Honorable Sean O'Keefe

In recognition of outstanding contributions to the engineering profession through his distinguished career in public service, education, and leadership of the NASA team in advancement of exploration and discovery in aeronautics and space technologies.

Nominated by President George W. Bush and confirmed by the United States Senate, Sean O'Keefe was appointed by the President as the 10th Administrator of the National Aeronautics and Space Administration on December 21, 2001, his fourth Presidential appointment. As Administrator, O'Keefe led the NASA team and managed its resources as NASA advanced exploration and discovery in aeronautics and space technologies.

Sean O'Keefe is a Fellow of the National Academy of Public Administration, a member of the Committee on Climate Change Science and Technology, and a Fellow of the International Academy of Astronautics. During his academic postings, he was a Visiting Scholar at the Wolfson College of the University of Cambridge in the United Kingdom, a member of the Naval Postgraduate School's civil-military relations seminar team, and conducted seminars for the Strategic Studies Group at Oxford University. He was a member of the 1985 Kennedy School of Government program for national security executives at Harvard University.

In 1993, President Bush and Secretary Cheney presented him the Distinguished Public Service Award. He was the 1999 faculty recipient of the Syracuse University Chancellor's Award for Public Service; recipient of the Department of the Navy's Public Service Award in December 2000; and has been awarded honorary doctorate degrees from several prestigious educational institutions. In March 2003 and 2004, he was recognized and honored by the Irish American Magazine as one of the Top 100 Irish Americans.

OUTSTANDING ENGINEERING ACHIEVEMENT MERIT AWARDS 2005

Presented in Alphabetical Order

Steven L. Barson

Process Leader, CFD
Boeing Rocketdyne Propulsion & Power
Canoga Park, CA

"In recognition of outstanding leadership in advancing the Computational Fluid Dynamics process for the engineering profession and The Boeing Company"

Kenneth L. Chiatovich

Aeronautical Engineer
Lockheed Martin Aeronautics Company
Palmdale, CA

"In recognition of outstanding engineering achievements in the Pratt & Whitney coating development and production program for the F-117 exhaust system"

Gerard A. Brennan

Associate Technical Fellow
Boeing Rocketdyne Propulsion & Power
Canoga Park, CA

"In recognition of creativity, customer focus, and outstanding contributions to the Information Technology Architecture and Planning process at Boeing Canoga Park"

Joseph Choy

Senior Aeronautical Engineer
Lockheed Martin Aeronautics Company
Palmdale, CA

"In recognition of outstanding work in the analysis and testing of advanced structures for classified programs"

Russell H. Brooks

Project Manager
Lockheed Martin Aeronautics Company
Palmdale, CA

"In recognition of significant leadership contributions to U-2 Mission Systems Integration and to the highly successful datalink projects"

Capt. Karl K. Cowart

Experimental Flight Test Engineer
USAF Flight Test Center
Edwards AFB, CA

"In recognition of significant contributions to the flight test of the F/A-22 Raptor by leading missions that expanded the combat envelope to 60,000 feet, 800 knots and 2.0 Mach"

Derek T. Chang

Senior Research & Design Engineer
Lockheed Martin Aeronautics Company
Palmdale, CA

"In recognition for outstanding work in the design and integration of Antennas and Radomes as well as fabrication of Low Observable Full Scale Test models"

Alexander A. Cruz

Engineer
Boeing Rocketdyne Propulsion & Power
Canoga Park, CA

"In recognition for excellence in Rocket Engine and Spacecraft Mechanical Design and Integration"

Joseph J. Donofrio

Project Manager
Lockheed Martin Aeronautics Company
Palmdale, CA

"In recognition of significant leadership contributions to U-2 Mission Systems Integration and to the highly visible ASIP Program"

OUTSTANDING ENGINEERING ACHIEVEMENT MERIT AWARDS 2005

Presented in Alphabetical Order

John M. Doolittle
Senior Embedded S/W Engineer
Lockheed Martin Aeronautics Company
Palmdale, CA

"In recognition of contributions in the development of Electronic Flight Aids and Ground Support Computer and Cockpit Procedures Trainer software, providing critical capability to the war fighter and added flexibility to U-2 mission operations"

William A. Flanagan
B2 Mission Systems Operator
Northrop Grumman Corporation
Palmdale, CA

"In recognition of contributions to furthering the advancement of aviation through his personal dedication to improving pilot-to-vehicle interface with advanced avionics to meet increasing demands for improved functionality"

Kari S. Foster
Senior Systems Engineer
Lockheed Martin Aeronautics Company
Palmdale, CA

"In recognition for outstanding performance resulting in quick and effective resolution of F-117 Deficiency Reports, insuring a high availability of mission capable F-117's for the Warfighter"

Dr. Gyan P. Hajela
Scientist/ Associate Technical Fellow
Boeing Rocketdyne Propulsion & Power
Canoga Park, CA

"In recognition of outstanding technical leadership to the International Space Station Electric Power System"

David P. McConnell
Lead Control Systems Engineer
Boeing Rocketdyne Propulsion & Power
Stennis Space Center, MS

"In recognition of outstanding contributions in building the SSC Facility Control System and leading the way in meeting future testing requirements at Stennis Space Center"

Stephen H. Incledon
Senior Designer
Boeing Rocketdyne Propulsion & Power
Canoga Park, CA

"In recognition for brilliant performance as the principle power designer of the highly efficient Shuttle Power Transfer Unit converters, in support of the International Space Station"

Scott Jones
Aeronautical Engineer
Lockheed Martin Aeronautics Company
Palmdale, CA

"In recognition of outstanding work in the analysis of advanced structures for classified programs"

Markos Karageorgis
Research Engineer
Lockheed Martin Aeronautics Company
Palmdale, CA

"In recognition for development of a time dependent quantum mechanical code that enables the analysis and design of new material systems that will lead to significantly enhanced aeronautical system capabilities"

Michael Keidel
Senior Aeronautical Engineer
Lockheed Martin Aeronautics Company
Palmdale, CA

"In recognition of outstanding work in the analysis of advanced structures for classified programs"

OUTSTANDING ENGINEERING ACHIEVEMENT MERIT AWARDS 2005

Presented in Alphabetical Order

Christopher D. Meister

Engineer
Boeing Rocketdyne Propulsion & Power
Canoga Park, CA

"In recognition of leadership and technical insight that made the integration of the flight turret for the ABL Program a success"

David C. Pedersen

Sr. Staff Research & Design Engineer
Lockheed Martin Aeronautics Company
Palmdale, CA

"In recognition for the development of advanced materials for the control of Electromagnetic radiation applied to aircraft survivability"

Victor Meza

Senior Aeronautical Engineer
Lockheed Martin Aeronautics Company
Palmdale, CA

"In recognition for technical excellence and outstanding contributions to a critical classified Lockheed Martin program"

Keith H. Pedersen

Research Engineer
Lockheed Martin Aeronautics Company
Palmdale, CA

"In recognition for significant contributions to the software development and mission systems architectures that will lead to enhanced weapon system capabilities and advanced network centric warfare concepts"

Dr. Mark N. Mithers

Manager, Systems Analysis IPT
Northrop Grumman Corporation
Palmdale, CA

"In recognition of engineering professionalism, outstanding contributions to engineering education, and innovative insight"

Charles Pickett

Senior Aeronautical Engineer
Lockheed Martin Aeronautics Company
Palmdale, CA

"In recognition of outstanding work in the analysis and testing of advanced structures for classified programs"

Donald L. O'Connor

Process Leader, Structures Technology
Boeing Rocketdyne Propulsion & Power
Canoga Park, CA

"In recognition of outstanding leadership and technical contributions to the development of advanced structural analysis tools"

Thomas S. Pugh

Manager, Research Engineering
Lockheed Martin Aeronautics Company
Palmdale, CA

"In recognition for technical excellence and superior contributions to several classified and unclassified Lockheed Martin programs in the area of aerodynamic design and analysis, and for outstanding leadership and mentoring"

Cuyler H. Richards

SSME Ground Support Equipment Design Lead
Boeing Rocketdyne Propulsion & Power
Kennedy Space Center, FL

"In recognition for contributions to the crucial ground support equipment design projects and processes in the success of the Space Shuttle Main Engine program"

OUTSTANDING ENGINEERING ACHIEVEMENT MERIT AWARDS 2005

Presented in Alphabetical Order

Dr. Ahmad R. Sarfaraz

Assistant Professor
California State University Northridge
Northridge, CA

"In recognition of course development in conjunction with the Valley Economic Development Center, benefiting students and participating companies in the Valley, and development of an on-line engineering management course"

Jeffrey B. Stout

Engineer/Scientist
Boeing Rocketdyne Propulsion & Power
Canoga Park, CA

"In recognition for technical excellence and leadership in advancing combustion chamber and nozzle technology"

William F. Schneider

Aeronautical Engineer
Lockheed Martin Aeronautics Company
Palmdale, CA

"In recognition of outstanding work in the analysis of advanced structures for classified programs"

Mark Tresnak

Aeronautical Engineer
Lockheed Martin Aeronautics Company
Palmdale, CA

"In recognition of outstanding work in the analysis of advanced structures for classified programs"

Brian Sibbitt

Aeronautical Engineer
Lockheed Martin Aeronautics Company
Palmdale, CA

"In recognition of outstanding work in the analysis and testing of advanced structures for classified programs"

Dr. Jeffrey A. Wiegley

Assistant Professor
California State University Northridge
Northridge, CA

"In recognition of outstanding achievements in the development of curriculum and laboratory experiences in the areas of embedded applications and computer security"

Robert C. Stec

Senior Technical Specialist
Boeing Rocketdyne Propulsion & Power
Canoga Park, CA

"In recognition for contributions in the field of Structural Dynamics Measurement of Low Frequency Vibration"

James W. Wolff

Manager
Boeing Rocketdyne Propulsion & Power
Canoga Park, CA

"In recognition for outstanding contributions to System Safety, Reliability, Maintainability, and Testability"

Christina P. Zeringue

Test Article Engineer
Boeing Rocketdyne Propulsion & Power
Stennis Space Center, MS

"In recognition of significant contributions in bringing the SQL-based paperless planning system online at Stennis Space Center"

Congratulations and Best Wishes!

2005 Engineers' Week Honorees



*College of Engineering
& Computer Science*

California State University
Northridge

LLOYD & MARY HIGGINBOTHAM SCHOLARSHIP ENDOWMENT FUND

CSUN Foundation

Special Thanks to Ernest Schaeffer and the Engineers' Council for their initial contributions to establish the Lloyd and Mary Higginbotham Scholarship Endowment Fund

Thanks to all who have contributed to the fund, which is administered by the CSUN Foundation. With your ongoing assistance, we will meet our goal of \$30,000 to ensure it's perpetuity.

This year, the fund will generate its first scholarship to assist an engineering student at California State University Northridge.



ENGINEERING EDUCATOR OF THE YEAR AWARD 2005



Dr. Robert G. Ryan

Presented by

Dr. Michael Kabo

Associate Dean, CECS
California State University at Northridge
Northridge, California

to

Dr. Robert G. Ryan

Assistant Professor
California State University at Northridge
Northridge, California

The Engineering Educator of the Year Award is given in recognition of significant educational achievements, and 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", and in 1987 the word "Engineering" was added so that in following years the "Distinguished Engineering Education Achievements Award" was presented to our top engineering educator. At the National Engineers Week Banquet of 1991, the award became the "Engineering Educator of the Year Award".

Past Recipients

Dr. A. F. "Rick" Ratcliffe, CSUN	1982	Dr. John W. Adams, CSUN	1994
Dr. Robert Y. Wong, CSUN	1983	Dr. Sembian R. Rengarajan, CSUN	1995
Dr. Edmond S. Gillespie, CSUN	1984	Dr. Roger Di Julio, CSUN	1996
Dr. Thelma Estrin, UCLA	1985	Dr. Martin S. Roden, CSULA	1997
Dr. Gregg W. Dixon, CSUN	1986	Dr. Ramin Roosta, CSUN	1998
Dr. Bonita J. Campbell, CSUN	1987	Dr. Helen A. Ryaciotaki-Boussalis, CSULA	2000
Dr. Diane Schwartz, CSUN	1988	Dr. Sharlene Katz, CSUN	2001
Dr. Larry Lichten, CSUN	1989	Dr. Stewart Prince, CSUN	2002
Dr. B. J. Shell, Northop University	1991	Dr. Nagwa Bekir, CSUN	2003
Dr. Mihran S. Agbabian, USC	1992	Tarek A. Shraibati	2004
Dr. Michael Hassul, CSULB	1993		

DISTINGUISHED ACHIEVEMENT AWARDS 2005



Distinguished Engineering Achievement

Edward H. Allen
Chief Scientist, ADP
Lockheed Martin Aeronautics Company
Palmdale, California

In recognition of visionary contributions toward the realization of practical hypersonic flight, of aeronautical platforms able to operate in near-space and of unique integration of aeronautical science with modern quantum physics

Distinguished Engineering Achievement

Dr. Robert J. Budica
President & CEO
Agusta Aerospace Corporation
Philadelphia, Pennsylvania

In recognition for leadership resulting in a record year of helicopter orders and deliveries, bringing a new factory and assembly line into operation in 9 months, and contributions to the US-101 for the Presidential Fleet



Distinguished Engineering Achievement

Richard J. Cole
Chief Engineer - Targets Program
Northrop Grumman Corporation
San Diego, California

In recognition of outstanding service and leadership as Chief Engineer on Northrop Grumman's Targets Program

Distinguished Engineering Achievement

Dr. David B. Hall
Sr. Member of the Technical Staff
Northrop Grumman Corporation
Woodland Hills, California

In recognition of significant contributions in the fields of optical gyroscopes and fiber optic interferometric sensors



DISTINGUISHED ACHIEVEMENT AWARDS 2005



Distinguished Engineering Achievement

Robert G. Kennington
Director, Engineering Directorate
USAF Flight Test Center
Edwards AFB, California

In recognition for contributions to the field of military flight test

Distinguished Engineering Achievement

Victor E. Martinez
J-UCAS Lead Engineer
USAF Flight Test Center
Edwards AFB, California



In recognition for distinguished contributions to the fields of high-power microwave effects on aircraft and the emerging technologies for unmanned aerial vehicles and unmanned combat air vehicles



Distinguished Engineering Educator

John M. Motil
Professor
California State University Northridge
Northridge, California

In recognition of a distinguished career at CSUN in the development of curriculum for instruction in computer science and electrical engineering, and professional achievements related to the field of computer science

Distinguished Engineering Achievement

Barbra M. Schackel
CMMI Site Leader
Boeing Rocketdyne Propulsion & Power
Canoga Park, California



In recognition for outstanding contributions toward the achievement of Capability Maturity Model Integration Level 5 rating for Boeing Canoga Park systems engineering, software engineering, integrated product and process development, and supplier sourcing

DISTINGUISHED ACHIEVEMENT AWARDS 2005



Distinguished Engineering Achievement

David L. Vanhoy
Master Instructor
USAF Flight Test Center
Edwards AFB, California

In recognition of outstanding contributions to flight-test engineering, flight safety, and flight-test education and training at Edwards Air Force Base, California

Distinguished Engineering Achievement

John O. Vilja
Director, Advanced Propulsion Development
Boeing Rocketdyne Propulsion & Power
Canoga Park, California



In recognition for accomplishments in liquid rocket propulsion design, development, and support, including the Space Shuttle Main Engine, Integrated Powerhead Demonstration program, National Aerospace Plane program, and Space Launch Initiative/Next Generation Launch Technologies



Distinguished Engineering Achievement

Stanley F. Wyse
Sr. Consulting Engineer
Northrop Grumman Corporation
Woodland Hills, California

In recognition of outstanding contributions in the development of inertial sensors and for continuing innovation in inertial technologies enabling significant advances in both military and commercial navigation



William B. Johnson International Inter-Professional Founders Memorial Award 2005

Presented by

Jeffrey S. Kincaid

Chief Engineer

Boeing Rocketdyne Propulsion & Power
Canoga Park, California

to

Capt. George T. Mellen, II

F/A-22 Flight Commander
USAF Flight Test Center
Edwards AFB, California



Capt. George T. Mellen, II

In 1955 Bill Johnson was one of the founders of the Engineers' Council, formerly San Fernando Valley 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 Memorial 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 the memorial award reflect his image.

Past Recipients

William B. Johnson	1982	Byron K. Wood	1997
George J. Hallinan	1990	Jim Albaugh	1998
Dr. John J. Guarrera	1991	Sherman Mullin	1999
Lloyd W. Higginbotham	1992	James S. Paulsen	2000
Roland V. Roggero	1993	Maynard L. "Joe" Stangeland	2001
Norman Shaffier	1994	John B. Plowden	2003
Alan R. "Al" Bjorklund	1995	Jeffrey S. Kincaid	2004
Jack L. Ferrell	1996		

DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS 2005



Space Shuttle Main Engine Return To Flight Team Boeing Rocketdyne Propulsion & Power Canoga Park, California

Team Members

<i>Michael J. Adams</i>	<i>Patrick Arellano</i>	<i>Bruce R. Chandler Jr.</i>
<i>Matt Davidson</i>	<i>John I. Fasheh</i>	<i>Eric P. Gardze Jr.</i>
<i>Andrew L. Haas</i>	<i>Michael J. McCarthy</i>	<i>Shellie C. Ramos</i>
<i>Marcella C. Sutton</i>		<i>Anthony D. Wood</i>

Accepting the Project Award
Daniel R. Adamski
SSME Chief Program Engineer

Shell Solar Automation Team Shell Solar Camarillo, California

Team Members

<i>Gil Duran</i>	<i>Rong Feng</i>	<i>David Harris</i>
<i>Michael Helwig</i>	<i>Charles Hensel</i>	<i>Doug King</i>
<i>Paul Norum</i>	<i>Chris O'Riley</i>	<i>Nestor Rigonan</i>
	<i>Paul Ross</i>	

Accepting the Project Award
Eric Culberson
Senior Engineer



B-2 UHF Satellite Communications Project Team Northrop Grumman Palmdale, California

Team Members

<i>Jeffrey Beuder</i>	<i>Rick Carle</i>	<i>John Eager</i>
<i>Stephanie Ellis</i>	<i>Roger Fasulkey</i>	<i>James Fodrey</i>
<i>Rick Fox</i>	<i>Danny Geiser</i>	<i>Joel Hessler</i>
<i>Matt Jasinski</i>	<i>William Riedhart</i>	<i>Brian Shook</i>
	<i>Duane Wenzel</i>	

Accepting the Project Award
John W. Klinke
Engineering Manager



DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS 2005



Diagnostic Imaging Radar Support & Operations Team Lockheed Martin Aeronautics Palmdale, California

<i>Team Members</i>		
<i>Don Blewett</i>	<i>Kent Burns</i>	<i>Dan Craig</i>
<i>Dave Daggett</i>	<i>Warren Fandrey</i>	<i>Dan Hurt</i>
<i>Jim Kellogg</i>	<i>John Kellogg</i>	<i>Greg Raeside</i>
<i>Jock Seekings</i>		<i>Chris Thomsen</i>

Accepting the Project Award
Pat A. Burke
LO Engineer

International Space Station Electric Power System Team Boeing Rocketdyne Propulsion & Power Canoga Park, California

<i>Team Members</i>		
<i>Scott A. Boller</i>	<i>Humberto A. Cerrillos</i>	<i>Nathan C. Cheng</i>
<i>Orville L. Dopps</i>	<i>Eric W. Edwards</i>	<i>Michael D. Fordyce</i>
<i>Burnadette H. Gilmore</i>	<i>Melanie O. Harlow</i>	<i>Steven D. Jeffers</i>
<i>Rick Krone</i>	<i>Kevin R. McCarthy</i>	<i>Howard L. Oliver</i>
<i>Diane W. Osmer</i>	<i>Roger W. Parks</i>	<i>Robert J. Poehls</i>
<i>Taymor S. Rashidi</i>	<i>Michael G. Ray</i>	<i>Yves Sergile</i>
<i>William J. Sopoliga</i>		<i>Kenneth J. Whalen</i>

Accepting the Project Award
Dr. Edward W. Gholdston
Director, Electric Power Systems & Software



Centurion Harbor Surveillance Demonstration Team Northrop Grumman Corporation Palmdale, California

<i>Team Members</i>		
<i>Akbar Arab-Sadeghabadi</i>	<i>Dennis Bevan</i>	<i>Ted Bick</i>
<i>Leon Petrosian</i>	<i>Ron Scrofano</i>	<i>Dan Wiener</i>

Accepting the Project Award
Greg W. Harsha
Engineering Manager

ENGINEERING PROJECT ACHIEVEMENT OF THE YEAR AWARD 2005

MARS *Exploration Rover Team*

*Jet Propulsion Laboratory
Pasadena, California*

TEAM MEMBERS

Project Management

James K. Erickson
Peter C. Theisinger

Flight System Development

Leo J. Bister
Richard C. Cook
Barry Goldstein
Robert M. Manning
Arthur D. Thompson
Jennifer H. Trospen
Matt Wallace

Science Development and Operations

Dr. John Callas
Dr. Joy A. Crisp
Dr. Steven N. Squyres

Mission Operations Development and Flight Operations

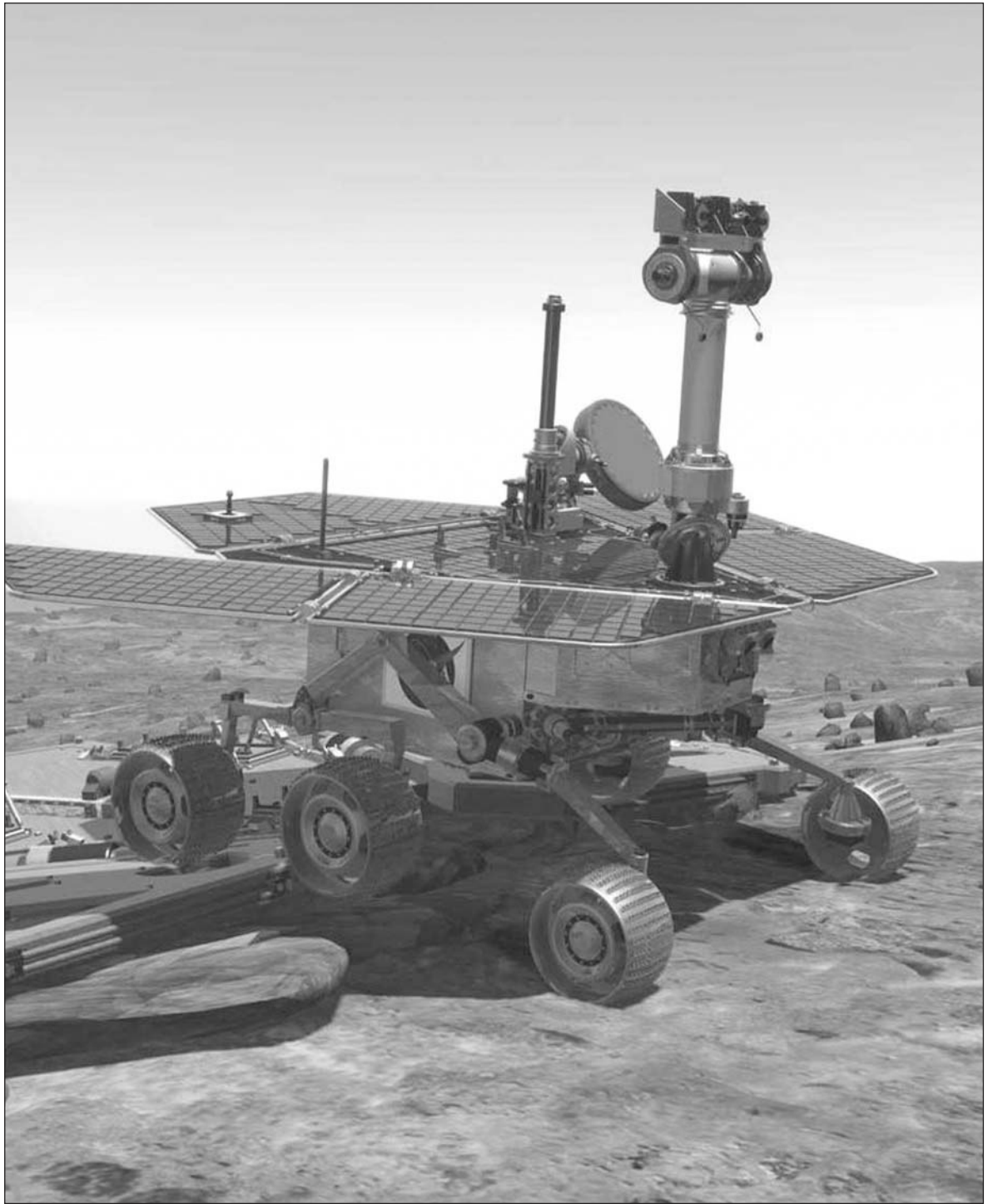
Dr. Mark Adler
Arthur V. Amador
Dr. Louis A. D'Amario
Henry W. Stone
Stephen M. Spohn
Ben Toyoshima

Accepting the Project of the Year Award

James K. Erickson

Project Manager
Jet Propulsion Laboratory
Pasadena, California

*ENGINEERING PROJECT ACHIEVEMENT OF
THE YEAR AWARD 2005*



DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS 2005



USAF Test Pilot School Transformation Team USAF Edwards AFB, California

Team Members

Maj. Mitchell Clapp
Scott Hand
John Minor
Lt. Col. Mike Taschner

Lt. Col. Jerry Egel
Capt. Raniel Hidalgo
Lt. Col. Mark Schaible

Russell Erb
Maj. James Less
Maj. Tammy Smeeks
David Vanhoy

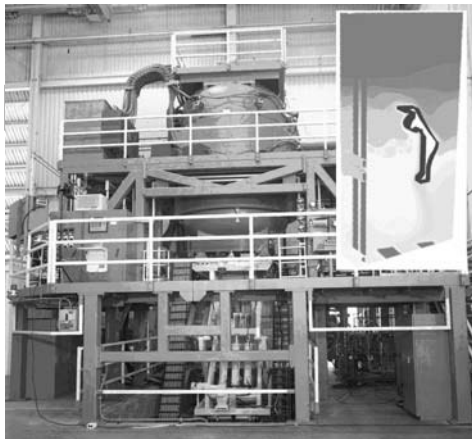
Accepting the Project Award
Lt. Col. John I. Dunham, Jr.
Chief, Curriculum Standards Division

B-2 Link-16/CID/FR Integrated Product Team Northrop Grumman Palmdale, California

Team Members

Devin Acklin	Paul Balke	Ray Brez	Aaron Brunner
Mel Busby	Richard Carle	Raymond Chu	James Cox
Dale Crawford	Lee Crawford	James Cunningham	James Dickinson
William Flanagan	Michael Foster	Daniel Gahagan	Michael Garrison
Daniel Geiser	Martin Gilligan	Robert Gilmore	Joel Hessler
Kenneth Iverson	Donald King	Howard Lacey	Greg Lane
Dave Lanfranchi	Cyril LeBoeuf	Cynthia Lenihan	John Leuschen
Jack Lucas	Bruce MacDougall	James Marshall	Samuel McKnight
Michael Mehaffy	Mark Morrison	Lonn Olfert	Christi Peters
Anna Phongpatakhum	Jermey Rocha	Susan Saldana	Wade Sexton
Michael Smith	Bill Speck	Frank Turley	Oba Warren

Accepting the Project Award
Sharlene Kleinman
IPT Lead



HIP Braze Thermal Modeling Team Boeing Rocketdyne Propulsion & Power Canoga Park, California

Team Members

Steven L. Barson
Hakopik Hakopian
Steve K. Ricklefs

Dr. Willard C. Clever
Michael J. Laszacs

Dr. Ali H. Hadid
Thomas J. McQuillan
Tri H. Tran

Accepting the Project Award
Dr. Youping Gao
Associate Technical Fellow

Lockheed Martin Aeronautics Company. . .

Proudly congratulates the
2005 Engineers' Council Award Winners.

These dedicated professionals,
through their creativity and determination
are meeting complex technological
challenges and making invaluable
contributions to the security, prosperity
and quality of our lives.



LOCKHEED MARTIN

Clarence L. "Kelly" Johnson Memorial Skunk Works Award 2005

Presented by

Frank Cappuccio

Vice President & General Manager, ADP
Lockheed Martin Aeronautics Company
Palmdale, California

to

Dain M. Hancock

Lockheed Martin Aeronautics Company
Fort Worth, Texas



Dain M. Hancock

Clarence L. "Kelly" Johnson's achievements over almost six decades captured every major aviation design award and made him an aerospace legend. These achievements go back to the 1930s, but he may be best known for organizing the Lockheed Skunk Works in 1943. It started as a small unit of engineering and production specialists to hurriedly create, build, and fly the World War II XP-80 jet prototype for the U.S. Air Force. It was the first of many of the world's most advanced aircraft to be produced by the Skunk Works under his leadership.

Kelly played a leading role in the design of more than forty aircraft including the P-38 Lightning, the Constellation transport, the P2V Neptune antisubmarine patrol plane, the record setting F-104 Starfighter, the U-2 reconnaissance aircraft, and the SR-71 Blackbird.

He received more than forty aircraft design and achievement awards and honors (several twice). Included are two Collier trophies, two Theodore von Karman 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 Security 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 Memorial 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 progress of the future.

Past Recipients

First Presentation was to

Clarence L. "Kelly" Johnson (Posthumously)

Accepted by his wife Nancy 1992

Lt. Gen. James A. Fain Jr., USAF 1993

Major Gen. Richard Scofield, USAF 1994

Ben R. Rich (Posthumously) 1995

Gen. Joseph W. Ralston 1996

Gen. Howell M. Estes III 1997

Lt. Gen. George K. Muellner, USAF 1998

Natalie W. Crawford 1999

Burt Rutan 2000

Sherman N. Mullin 2001

Lt. Gen. Bruce Carlson, USAF 2002

Lt. Gen. Michael A. Hough, USMC 2003

Lt Gen. Harold W. Blot, USMC (ret.) 2004

DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS 2005



B-2 Alternate High Frequency Material Integrated Product Team

Northrop Grumman Corporation
Palmdale, California

*Elliott Brown
Brian Kilburn*

*Team Members
Rebecca Hooper
Michael O'Keefe
Bill Speck*

*Jeff Jazwiecki
Jarrett Sadowski*

*Accepting the Project Award
Benjamin W. Ankrum
Project Team Leader*

Channel Wall Nozzle Development Team

Boeing Rocketdyne Propulsion & Power
Canoga Park, California

*Douglas S. Ades
Joseph L. Dill
William P. McCarthy*

*Team Members
John D. Brady
Michael B. Hankins
W. Dennis Romine
James Y. Tsai*

*Gordon A. Creeger
Myron L. Jew
Chad M. Schepel*

*Accepting the Project Award
Jeffrey A. Fint
Development Engineer*



U2 Landing Gear Engineering Team

Lockheed Martin Aeronautics
Palmdale, California

Jung-Soo Ahn

*Team Members
Scott Erickson
Scott Yamamura*

Peter Hall

*Accepting the Project Award
Steven K. Faust
Aeronautical Engineer*



DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS 2005



F/A-22 Combined Test Force Missile Shot Team

USAF Flight Test Center
Edwards AFB, California

Team Members

<i>Adolphus Andrews</i>	<i>John Baker</i>	<i>Matthew Bond</i>
<i>James Brown</i>	<i>Wayne Burt</i>	<i>James Daniel</i>
<i>Maj. Evan Dertien</i>	<i>Lt. Col. Dawn Dunlop</i>	<i>John Fergione</i>
<i>Capt. Michael Giebner</i>	<i>Maj. Charles Havasy</i>	<i>Maj. Michael Keltos</i>
<i>Fred Knox</i>	<i>William Kuhlemeier</i>	<i>John Laughlin</i>
<i>Gerald Lockwood</i>	<i>Allen Miller</i>	<i>William Nelson</i>
<i>Randy Neville</i>	<i>Alan Norman</i>	<i>David Parham</i>
<i>Maj. Kevin Prosser</i>	<i>Lawrence Stebbins</i>	<i>Bryan Swift</i>
<i>Lt. Col. Evan Thomas</i>		<i>John Waddington</i>

Accepting the Project Award

Maj. James Yurack
Flight Commander

X-47B Design Team

Northrop Grumman Corporation
Palmdale, California

Daryl Harsha

Team Members

Aaron Munger *Chris del Palacio*
Joan Yazejian

Accepting the Project Award
John R. Whittenbury
Configuration Design Engineer



Concept



Completed Hardware

**Complete for on-time
delivery
(15 mos from ATP)**

Integrated Powerhead Demonstration Main Combustion Chamber Team


Boeing Rocketdyne Propulsion & Power
Canoga Park, California

Team Members

<i>Douglas S. Ades</i>	<i>Joseph L. Dill</i>	<i>Mark D. Horn</i>
<i>William P. McCarthy</i>	<i>Antonio G. Pascua</i>	<i>Robert M. Passerini</i>
<i>W. Dennis Romine</i>	<i>Lawrence P. Scott</i>	<i>Thomas M. Walczuk</i>

Accepting the Project Award

Lynne K. Haas
IPD MCC IPT Lead



Vision is the ability to turn
dreams into deeds.

Northrop Grumman congratulates the
2005 Distinguished Engineering Project Achievement Awards Winners.

B-2 UHF Satellite Communications Project Team

F/A-18 E/F Growth Cooling System

B-2 Link-16/CID/IFR Integrated Product Team

Alternate High Frequency Material (AHFM)

B-2 Aft Deck Team

Quick Reaction Capability Integration

'ACG' Global Hawk Integration

X-47B Configuration Integration Development Team

Global Hawk RQ-4B Wing Team

Global Hawk RQ-4B Electric Brake System

Brigadier General Charles E. "Chuck" Yeager Award

Mr. Roy Martin

Distinguished Engineering Achievement Award

Richard Cole

Outstanding Engineering Achievement Merit Award

Mr. Mark Mithers

Outstanding Engineering Achievement Merit Award

Mr. William A. Flanagan

Brigadier General Charles E. "Chuck" Yeager International Aeronautical Achievements Award 2005

Presented by

Major General (ret.) Doug Pearson

to

Roy Martin
Chief Test Pilot, ACS
Northrop Grumman Corporation
Palmdale, California



Roy Martin

On October 14, 1947, General Yeager became the first man to fly faster than the speed of sound. He also became the first man to fly more than twice the speed of sound. He has flown 183 types of aircraft during his career and has more than 11,000 hours of flight time.

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, Commander of the 417th Fighter Squadron, Commander of the First Fighter Squadron, Commandant of the Aerospace Research Pilot School, Commander of the 405th Fighter Wing when he flew 127 missions in South Vietnam, Commander of the 4th Tactical Fighter Wing in Korea during the Pueblo crisis, and Vice Commander of the Seventeenth Air Force after promotion to Brigadier General.

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 reflect a lifetime career of dedication to the progress of aerospace technology.

Past Recipients

Brig. Gen. Charles E. "Chuck" Yeager, USAF	1987	Maj. Gen. Richard L. Engel, USAF	1998
Maj. Gen. Joe H. Engle, USAF	1988	Bruce Hinds	1999
Robert A. "Bob" Hoover	1989	Jon S. Beesley	2000
Robert R. Sandusky Jr. FIAE	1991	Lt. Gen. Thomas J. Keck, USAF	2001
Joseph T. Gallagher	1993	Gen. John P. Jumper, USAF	2002
Edward C. "Pete" Aldridge Jr.	1994	Col. Russell E. Schlee, USAF	2003
Franklin Chang Diaz	1995	Major General Doug Pearson, USAF	2004
Jack Real	1996		
David L. Ferguson	1997		

DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS 2005



SEI Capability Maturity Model Integration Level 5 Achievement Team

Boeing Rocketdyne Propulsion & Power
Canoga Park, California

Team Members

<i>Gregory K. Brown</i>	<i>Sonia B. Cudiamat</i>	<i>Dr. Pankaj Goel</i>
<i>Margaret A. Grisham</i>	<i>Michael Hall</i>	<i>John J. Kanne</i>
<i>Mark R. Kelly</i>	<i>Maria Q. Li</i>	<i>Karen L. Luna</i>
<i>Phyllis R. Marbach</i>	<i>William P. Marlatt</i>	<i>Bonnie A. Naddell</i>
<i>Ronald M. Opdahl</i>	<i>Mark A. Reynosa</i>	<i>Dan D. Ron</i>
<i>Robin D. Schreiber</i>		<i>John P. Shonafelt</i>

Accepting the Project Award

Alan D. Podmore
Process Specialist

IEC 61508 Safety Team Moore Industries- International, Inc. North Hills, California

Team Members

<i>Fred Adt</i>	<i>Youssef Elghor</i>	<i>Deanna Esterwold</i>
<i>Holly Hildreth</i>	<i>Shirley Lai</i>	<i>Bob Smith</i>
<i>Rob Stockham</i>	<i>Mike Young</i>	<i>Christine Whan</i>

Accepting the Project Award

Joseph Hage
Vice President, Engineering



B-2 Aft Deck Team Northrop Grumman Corporation Palmdale, California

Team Members

<i>Hank Barber</i>	<i>Murray Bernstein</i>	<i>Paul Bonaparte</i>
<i>Brett Flanders</i>	<i>Mark Storey</i>	<i>Robert Tashiro</i>

Accepting the Project Award

Perry Tanouye
Engineering Specialist

DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS 2005

ACG Global Hawk Integration Team Northrop Grumman Corporation Palmdale, California

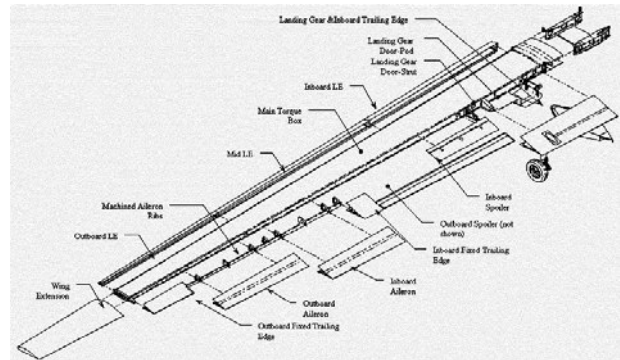
Team Members		
Nelson Acosta	Heather Banbury	Steve Berroth
Mike Billups	Stan Blandin	Harry Bruner
Rho Cauley	Scott Davidson	Chris Diebner
Ray Fassbender	Ron Fessel	Mike Fullen
Jack Houchard	Francisco Macias	Tom Malia
Russell Mangerie	Mark Nichols	Doug Nulf
Gary Owen	Jim Pilkington	Russ Wright

Accepting the Project Award
Nancy Kirby
Program Office

Global Hawk Air Vehicle '03 Quick Reaction Capability Integration Team Northrop Grumman Corporation Palmdale, California

Team Members		
Todd Beals	Steve Berroth	Stan Blandin
Ron Bleyle	Eric Bohley	Lance Boyd
Rho Cauley	Mymy Dao	Chris Duffy
Jack Elliot	Alden Holmes	Vince Kelly
Vicki Kenny	Jim Kohn	Tom Latrelle
Tom Malia	Russell Mangerie	Gary Owen
Jerry Owen	Jim Pilkington	Bob Schmidt
Terri Shout	Leslie Smith	Steve Wheat

Accepting the Project Award
Avis Anderson
GH Program Manager



Global Hawk RQ-4B Electric Brake System Team Northrop Grumman Corporation Palmdale, California

Team Members		
Lawrence Corio	Robert DePasquale	Lawrence Isenbarger
John Liu	Aaron Williams	Steven Wulf

Accepting the Project Award
Eric Lutz
Lead Engineer

Global Hawk RQ-4B Wing Team Northrop Grumman Corporation Palmdale, California

Team Members		
John Butterworth	Mike Fabrie	Allan Tuquero

Accepting the Project Award
Warren Lang
IPT Lead

Rocketdyne
Propulsion & Power
Congratulates the
2005 Engineers'
Week Award Winners!



ENGINEER OF THE YEAR AWARD 2005
and
PETER RECCHIA OMNI MEMORIAL AWARD 2005

Presented by the 1994 Award Recipient

Bryron Wood

Vice President and General Manager
Boeing Rocketdyne Propulsion & Power
Canoga Park, California

to

Thomas R. Gavin

Associate Director
Flight Projects & Mission Success
Jet Propulsion Laboratory
Pasadena, California



Thomas R. Gavin

The Engineer of the Year award is presented by the San Fernando Valley Engineers' Council to Thomas R. Gavin for his continuing leadership of the flight missions of NASA's and Caltech's Jet Propulsion Laboratory, and especially for his leadership during the exceptionally successful past year, during which JPL landed two rovers on Mars, placed the Cassini/Huygens spacecraft into orbit around Saturn, continued to receive infrared astronomical images from the Spitzer Space Telescope and ultraviolet images from the Galaxy Evolution Explorer, launched the Microwave Limb Sounder and Tropospheric Emissions Spectrometer on the NASA Aura spacecraft, caught a sample of a comet with the Stardust spacecraft, obtained solar wind samples from the damaged Genesis spacecraft, and operated sixteen interplanetary and interstellar spacecraft throughout the year. In his four decades at JPL, Tom Gavin has led the development and mission assurance activities of such scientifically productive missions as Voyager to the outer planets, Galileo to Jupiter, Cassini-Huygens to Saturn, and is currently responsible for assuring the success of all JPL flight missions.

PAST RECIPIENTS ENGINEER OF THE YEAR AWARD

- 1959 Roy E. Marquardt, The Marquardt Corporation
- 1960 Richard Bradshaw, Consulting Structural Engineering
- 1961 Milford G. Childers, Lockheed California Company
- 1962 Paul R. Vogt, Rocketdyne Div., Rockwell International
- 1963 George T. Harness, San Fernando Valley State College
- 1964 Ralph Balent, Atomics International
- 1965 Clarence L. Johnson, Lockheed California Company
- 1966 Steven J. Domokos, Rocketdyne Div., Rockwell International
- 1967 James A. Broadston, Rocketdyne Div., Rockwell International
- 1968 Dr. Arnold M. Levine, ITT Aerospace
- 1969 Willis M. Hawkins, Lockheed Aircraft Company
- 1970 Ralph A. Lamm, Bendix Electrodynamics
- 1971 Arthur A. Daush, Jr., Hughes Aircraft Company
- 1972 Dr. R.N. Ghose, American Nucleonics Corporation
- 1973 John J. Guarrera, SACOM
- 1974 Elliott H. Green, Lockheed California Company
- 1975 Mathew C. Ek, Rocketdyne Div., Rockwell International
- 1976 Sam F. Iacobellis, Atomics International
- 1977 Lon L. Sanders, ITT Gilfillan
- 1978 Norman J. Ryker, Rockwell International
- 1979 Donald C. Tillman, City of Los Angeles
- 1980 Dominick J. Sanchini, Rocketdyne Div., Rockwell International
- 1981 Ben R. Rich, Lockheed California Company
- 1982 Dr. Paul B. Mac Cready, President, AeroVironment, Inc.
- 1983 Charles G. Fargo, Rockwell International
- 1984 Dr. Malcom Currie, Hughes Aircraft Company
- 1985 Phillip V. King, PE, FIAE, City of Los Angeles
- 1986 Sophia K Ashley, Naval Civil Engineering Laboratory, Port Hueneme
- 1987 Dr. Rodney A. Boudreaux, V.P., Engineering, Space Orbitor Div., Rockwell Intl.
- 1988 George J. Hallinan, V.P., Space Station Power, Rocketdyne Div., Rockwell Intl.
- 1989 Paul H. Lane, Los Angeles Department of Water and Power
- 1990 William F. Ezell, V.P., Engineering & Test, Rocketdyne Div., Rockwell Intl.
- 1991 Edward G. Linhart, President and CEO, EGL Holding Company
- 1992 Sherman N. Mullin, President, Lockheed Advanced Development Company
- 1993 Robert D. Paster, President, Rocketdyne Div., Rockwell International
- 1994 Byron K. Wood, V.P., Engineering and Test, Rocketdyne Div., Rockwell Intl.
- 1995 Jack S. Gordon, President, Lockheed Advanced Development Company, Palmdale, CA
- 1996 Ernest Schaeffer, President, Schaeffer Magnetics, Inc., Chatsworth, CA
- 1997 Paul B. Smith, President, Rocketdyne, Canoga Park, CA
- 1998 Anthony Joseph Spear, JPL/Caltech, Pasadena, CA
- 1999 Robert Goetz, V.P. Engineering, Lockheed Martin Skunk Works, Palmdale, CA
- 2000 Dr. Michael E. Polites, Deputy Manager, Avionics Dept., NASA/Marshall Space Flight Center, Huntsville, AL
- 2001 Dr. Charles Volk, Vice President Engineering, Litton Guidance & Control Systems, Woodland Hills, CA
- 2002 Maynard L. "Joe" Stangeland, Chief Designer, Boeing Rocketdyne Propulsion & Power, Canoga Park, CA E.R.
- 2003 "Ed" Glasgow, Technical V.P. for ADF, Lockheed Martin Aeronautics Co., Palmdale, CA
- 2004 Norman S. Sakamoto, Vice President, Northrop Grumman Corporation, San Diego, California



San Fernando Valley Engineers' Council

NORTHRIDGE, CALIFORNIA

Congratulates 2005 NATIONAL ENGINEERS WEEK HONOREES

And

Thanks Engineers' Week Participating Organizations

AIAA San Fernando Valley	CSUN/CECS	Northrop Grumman Integrated Systems
Air Force Flight Test Center Edwards Air Force Base	IEEE San Fernando Valley	Northrop Grumman Navigation Systems
Boeing Rocketdyne Propulsion & Power	JPL/NASA	Shell Solar
Capstone Turbine Corporation	Lockheed Martin Aeronautics Company	
	Moore Industries- International	

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 2004, the Engineers' Council contributed \$8,400 to its educational and charitable programs, which included the following.

Scholarships

- CSUN Foundation Scholarship Funds
- Scholarships to graduating seniors from Birmingham, El Camino Real, Canoga Park, and William Howard Taft High Schools
- LA County Science Fair Winner Scholarships

Educational Enrichment

- Major Sponsor of LADWP/LAUSD Science Bowl
- SME Century Club Founding Member
- Sponsor of CSPE MATHCOUNTS Competition at CSUN
- Canoga Park High School Engineering Explorer Post #3142

Continuing Engineering Education

- Engineers Week Technical Symposium on Nano and Submicron Technologies
-



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.GeneralChuckYeager.com

MATHCOUNTS 2005

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 fifteenth 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 business.

**THE ENGINEERS' COUNCIL, NORTHRIDGE, CALIFORNIA
RECOGNIZES AND CONGRATULATES THE AWARD
WINNERS IN THE 2005 COMPETITION.**

The IEEE Thanks the San Fernando Valley Engineers' Council

For their generosity and support in student programs, and Wishes
the San Fernando Valley Engineers' Council a
Very happy 50th Anniversary!

The IEEE San Fernando Valley Section is one of the original founding organizations of this Engineers Week Awards Banquet, and continues to be very honored to celebrate the 50th year of participation with the San Fernando Valley Engineers' Council. Happy Anniversary!

The IEEE Congratulates

The 7th Annual IEEE Bio-Tech Applications Contest 2005 Winners

Contest Theme: To develop and present a concept using Electrical, Electronic, Biomedical, and/or Electro-Optical technology to assist a person's disability, or to improve a person's ability to manage tasks that usually require assistance.

Contest Organizer: Dr. Christopher Druzgalski of CSULB.

The 2005 Winning Students

Paul Ingerson - Text to Speech

Cynthia Kuykendall - Stander with "Artificial Skin" Sensors and Biofeedback for Disabled Children

Jason Kotzin - A Pacemaker with Potential

Amir Shahheydari - Body Implanted Pharmacy

Sponsored by: The IEEE Coastal Los Angeles Section, IEEE Los Angeles Council, IEEE Engineering Medicine and Biology Society LA Council Chapter, and the San Fernando Valley Engineers' Council.



American Institute of Aeronautics and Astronautics San Fernando Valley Section

Congratulates all Engineers Week Honorees

Including the Following AIAA Members

AIAA Region VI Engineer of the Year

Scott D. Halloran

AIAA Associate Fellow

Dr. Gregory S. Agnes

Clarence L. "Kelly" Johnson Memorial Skunk Works Award

Dain M. Hancock

Distinguished Engineering Achievement Award

Dr. Edward H. Allen Dr. Robert J. Budica John O. Vilja

Distinguished Engineering Project Achievement Award

John R. Whittenbury

Outstanding Engineering Achievement Merit Award

Steven L. Barson

Gyan Hajela

Jeffrey B. Stout

*Graphics, Typesetting, and Printing Courtesy of
The Boeing Company
Rocketdyne Propulsion & Power*