

# THE ENGINEERS' COUNCIL

*Northridge, California*

*52<sup>nd</sup> Anniversary*

**HONORS AND AWARDS BANQUET**



**Saturday, February 24, 2007**

**Souvenir Program**



Keynote Speaker &  
Honorary Engineer of the Year  
**Admiral Michael G. Mullen**  
*Chief of Naval Operations  
United States Navy*



Engineer of the Year  
**Thomas W. Blakely**  
Vice President of Engineering  
*Lockheed Martin Aeronautics Company  
Fort Worth, Texas*

*In Celebration of National Engineers Week February 18-24, 2007*

# NATIONAL ENGINEERS WEEK COMMITTEE

<i>Banquet Chairman:</i>	<i>Paul F. Landry</i>
<i>Honors &amp; Awards Chairwoman:</i>	<i>Lisa Bergovoy</i>
<i>Technical Conference:</i>	<i>Dr. Patrick Berbon, Christopher Melnyk, Lisa Reiner, Steven Schroeder</i>
<i>Souvenir Program &amp; Awards Editor:</i>	<i>Robert B. Tarn</i>
<i>Graphics and Publications:</i>	<i>Peggy Correa, Daniela Ianculescu, Julie Gesin</i>
<i>Awards Assembly:</i>	<i>Dr. Patrick Berbon, Larry Dalton, Mike Garland, William J. Johnson, Charles Olsefsky, Steven Schroeder, Ray Straub</i>
<i>Audio/Video:</i>	<i>Chris Landry</i>
<i>Media Relations:</i>	<i>Ken Futernick, Erin Owen, Dr. S. K. Ramesh</i>
<i>Sergeant-at-Arms:</i>	<i>Terry Demby</i>
<i>Hostesses:</i>	<i>Jean Hainley, Mickey Knobloch, Olivia Landry, Christie Rogers, Maria Tarn, Kathy Volk</i>
<i>Masters of Ceremony:</i>	<i>R. L. "Ron" Rogers, Robert B. Tarn, Dr. Charles H. Volk</i>
<i>Banquet Setup:</i>	<i>Bob Jensen, Jagadish Kariyappa, Mike Kabo, Jackie Maher, CSUN Students</i>
<i>Math Counts:</i>	<i>Mike Garland, Jerry Kraim</i>
<i>LA County Science Bowl:</i>	<i>Larry Dalton</i>
<i>High School Scholarships:</i>	<i>Ken Futernick, Walter Korp, George Ortega, Robert B. Tarn</i>

---

## The Engineers' Council Board of Directors

<b>President:</b>	<b>Paul F. Landry</b>	<b>Vice President:</b>	<b>Dr. Patrick Berbon</b>
<b>Treasurer:</b>	<b>Dr. Charles H. Volk</b>	<b>Secretary:</b>	<b>Robert B. Tarn</b>

**Trustees:** Dr. Roger J. Budica, Dr. A. F. Ratcliffe, Roland Roggero, Robert B. Tarn, Clifford Terry

**Directors-at-Large:** Roger L. Belt, Larry Dalton, Milton Garland, William J. Johnson, Jagadish Kariyappa, Walter Korp, Gerry Kraim, Charles Olsefsky, George Ortega, Roland L. Rogers

### *Special Thanks* to:

- Pratt & Whitney Rocketdyne Graphics & Publications for production of the Souvenir Program and support to production of the framed awards.
- General Chuck Yeager Foundation for contributing to the 2007 LA County Science Fair Scholarships.
- Lockheed Martin Aeronautics Company for assistance with the cost of audio/video support.
- Northrop Grumman Integrated Systems for providing a professional photographer for our event.
- All of our Souvenir Program advertisers.

---

**Presidential Message for National Engineers Week  
February 18-24, 2007**



**THE WHITE HOUSE**

**WASHINGTON**

January 4, 2007

I send greetings to those observing National Engineers week.

New discoveries and technologies are changing the way Americans live and work. Through dedicated research and development, engineers expand our knowledge and lay the foundation for the progress of our country. This week is an opportunity to recognize engineers for their many contributions to our way of life and to encourage young people to pursue their curiosity by studying math and science.

To enable our Nation's children to continue this tradition of achievement, my Administration has launched the American Competitiveness Initiative to strengthen math and science education and to train more teachers in these subjects. Through these efforts and the work of scientists and engineers, we can inspire young people to recognize the importance of math and science to their future.

I appreciate engineers for working to advance America's legacy of progress. Your efforts contribute to a brighter future and embody the spirit of American innovation.

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

---

---

# ENGINEERS' COUNCIL

## *Northridge, California*

**1955**

*A Brief History*

**2006**

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 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 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 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.

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

---

***San Fernando Valley Engineers' Council***  
*Northridge, California*

**52nd Anniversary**  
***Honors & Awards Banquet***

*Saturday, February 24, 2007*



***Reception – 5:00 p.m.***

***Welcome & Introductions – 6:00 p. m.***  
**Banquet Chairman and Council President**  
*Paul F. Landry*

***Dinner***

***Presentation of Awards - 7:00 p.m.***

**Keynote Address**  
*Admiral Michael G. Mullen*

**Masters of Ceremony**  
*Robert B. Tarn, AIAA*  
*R. L. “Ron” Rogers, AIAA*  
*Dr. Charles H. Volk, IEEE, AAAS*

***Closing***

---

---

# ***OUTSTANDING ENGINEERING ACHIEVEMENT MERIT AWARDS***

## **Lee Buchok**

Aeronautical Engineer Senior Staff  
Lockheed Martin Aeronautics Company  
Palmdale, California

*“For outstanding performance, mastering the engineering skills, and obtaining critical knowledge as a Lead Aerodynamics Engineer”*

## **Dr. Nazaret Dermendjian**

Assistant Professor  
California State University, Northridge  
Northridge, California

*“For outstanding contributions that enhance student learning in Civil Engineering and for support and leadership of the Fundamentals of Engineering Review course”*

## **Ming Chang**

Research Engineering Manager  
Lockheed Martin Aeronautics Company  
Palmdale, California

*“For outstanding leadership and exceptional management of aerodynamic and acoustics analysis and design efforts in support of key flight vehicle development and technology maturation projects”*

## **Yvette M. Garcia**

Senior Engineer  
Pratt & Whitney Rocketdyne  
Canoga Park, California

*“For enthusiastic contributions to the design process and commitment to the RS-68 program”*

## **Charles R. Constantine**

Systems Engineer Staff  
Lockheed Martin Aeronautics Company  
Palmdale, California

*“For significant contributions to U-2 integration efforts, the successful integration of the ASIP system, and the U-2 program overall”*

## **John P. Geddes**

Senior Engineer  
Pratt & Whitney Rocketdyne  
Canoga Park, California

*“For expert contributions to the aerospace profession in the area of injector design, and for interest in promoting and sharing that knowledge with others”*

## **Kenneth Cook**

Electrical Engineer  
Pratt & Whitney Rocketdyne  
Stennis Space Center, Mississippi

*“For dedicated support and leadership to test program instrumentation, recognition by his peers for professionalism and expertise, and in thanks for the mentoring of his team”*

## **Nicholas Giannetta**

Aeronautical Engineer Senior Staff  
Lockheed Martin Aeronautics Company  
Palmdale, California

*“For outstanding performance, mastering the engineering skills, and obtaining critical knowledge as a Lead Flight Test Engineer”*

---

---

**OUTSTANDING ENGINEERING  
ACHIEVEMENT MERIT AWARDS**

**James Harris**

Electronics Engineer Senior Staff  
Lockheed Martin Aeronautics Company  
Palmdale, California

*“For outstanding performance, mastering the engineering skills, and obtaining critical knowledge as an Avionics Flight Test Engineer”*

**Matthew J. Hofmann**

Flight Operations Engineer  
Pratt & Whitney Rocketdyne  
Kennedy Space Center, Florida

*“For 30 years of Aerospace Leadership, advancing space propulsion for human spaceflight and defense of the United States”*

**Gregory A. Hausman**

Senior Engineer  
Pratt & Whitney Rocketdyne  
Canoga Park, California

*“For outstanding contributions to the design, development and flight worthiness of the RS-68 Rocket Engine System”*

**Lois Holtzclaw**

Aeronautical Engineer Senior Staff  
Lockheed Martin Aeronautics Company  
Palmdale, California

*“For outstanding performance, mastering the engineering skills, and obtaining critical knowledge as a propulsion engineer”*

**Marilyn Hendrix**

Aeronautics Systems Engineer Senior Staff  
Lockheed Martin Aeronautics Company  
Palmdale, California

*“For outstanding performance, mastering the engineering skills, and obtaining critical knowledge as an engineering system integrator”*

**Andrew M. Jakubek**

IPT Lead  
Northrop Grumman Corporation  
Palmdale, California

*“For leadership contribution to the successful outcome of the ATS flight test and fleet-wide implementation program”*

**Dr. Nhut T. Ho**

Assistant Professor  
California State University, Northridge  
Northridge, California

*“For extensive contributions to the mission of the California State University Northridge and the education of its students, and systems engineering research at the practical level”*

**Quentin W. Jones**

Flight Control Engineer  
Lockheed Martin Aeronautics Company  
Palmdale, California

*“For efforts in the air data test set development, ensuring that our war fighters have mission-critical support, and the technology needed to minimize downtime and achieve success”*

---

# ***DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS***



## ***RS-68 Subscale Injector Test Program***

Pratt & Whitney Rocketdyne  
Canoga Park, California

### ***Team Members***

<i>Steven R. Bennett</i>	<i>Kenneth A. Miller</i>
<i>Frederick E. Dodd</i>	<i>Linda M. Tuegel</i>
<i>Raymond C. Krise</i>	<i>Mark A. Winquist</i>

### ***Accepting the Project Award***

**Raymond C. Krise**  
Senior Engineer

## ***B-2 Aft Deck Forward Skin Modification***

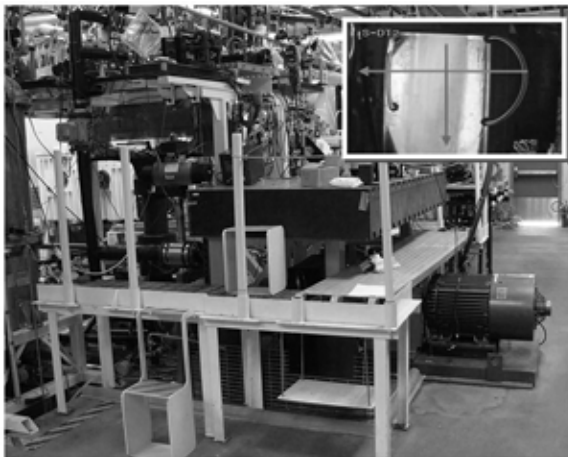
Northrop Grumman Integrated Systems  
Palmdale, California

### ***Team Members***

<i>Oscar Castillo</i>	<i>Ken Monson</i>
<i>Todd Fierstos</i>	<i>Leonard Streeb</i>
<i>William Hood</i>	<i>Robert Tashiro</i>
<i>James Marshall</i>	

### ***Accepting the Project Award***

**Ken Monson**  
IPT Leader



## ***Advanced Tactical Laser Closed Cycle COIL Laser***

The Boeing Company  
West Hills, California

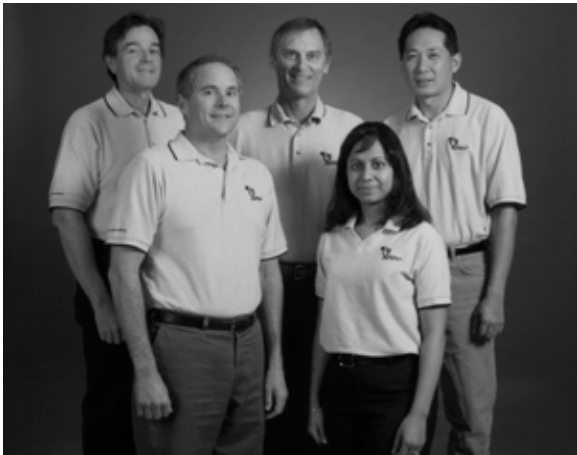
### ***Accepting the Project Award***

**Dr. Allen Z. Ullman**  
Project Manager



---

# DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS



## *Joint Collaborative Urban Operations*

Lockheed Martin Aeronautics Company  
Palmdale, California

### *Team Members*

Larry Keating                      Jessica Miller  
William Koehler                 Randy Weaver  
Thoung Le

### *Accepting the Project Award*

**Larry Keating**  
Fellow

## *Pratt & Whitney Rocketdyne Knowledge Management*

Pratt & Whitney Rocketdyne  
Canoga Park, California

### *Team Members*

Raul C. Garcia                      Richard Ladd  
Timothy R. Howell                 Haroldeane E. Snell  
Ashok Kohli                         Kiho D. Sohn

### *Accepting the Project Award*

**Kiho D. Sohn**  
Chief Knowledge Officer



## *B-2 Transparency Test Set Team*

Northrop Grumman Integrated Systems  
Palmdale, California

### *Team Members*

Bill Benesh                         William Reed  
Tim Gearity                         John Smole  
Frank Gefre                         Dan Turner  
Erik Kofahl                         Fred Williams  
Mike Peterson

### *Accepting the Project Award*

**Dan Turner**  
Engineer

---

# DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS

---



## *Global Hawk Communications Demonstration*

Northrop Grumman Integrated Systems  
San Diego, California

### *Team Members*

<i>Nelson Cheatham</i>	<i>Huy Nguyen</i>
<i>Mymy Dao</i>	<i>Gary Owen</i>
<i>Mike Garcia</i>	<i>Jack Tanner</i>
<i>Sam Guinto</i>	<i>Tim Uragami</i>
<i>Alden Holmes</i>	

### *Accepting the Project Award*

**Mymy Dao**  
Deputy IPT Leader

## *Development of the Northrop Grumman LN-120G – Stellar/Inertial/GPS – Navigation System*

Northrop Grumman, Navigation Systems Division  
Woodland Hills, California

### *Team Members*

<i>Dan Avenancio</i>	<i>Steve Hirschberg</i>
<i>Michael Borck</i>	<i>Naveen Joshi</i>
<i>Patrick Fagen</i>	<i>Robert Medina</i>
<i>Victor Felter</i>	<i>William Miller</i>
<i>Kathy Heid</i>	<i>John Reeve</i>
<i>Lee Hileman</i>	

### *Accepting the Project Award*

**Michael Borck**  
Program Manager



## *Multiple Kill Vehicle Program Capture*

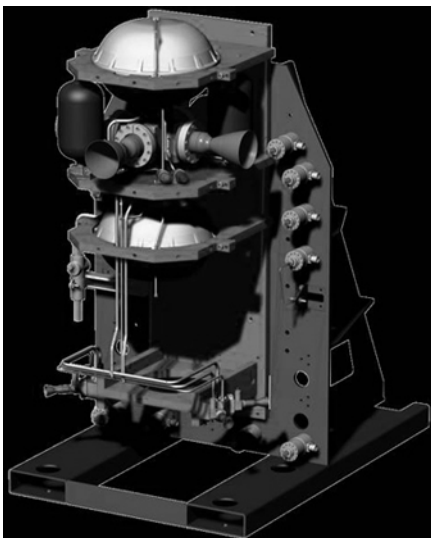
Pratt & Whitney Rocketdyne  
Canoga Park, California

### *Team Members*

<i>Lauren M. Connelly</i>	<i>Bruce K. Nixon</i>
<i>Bruce A. Janeski</i>	<i>Daniel J. Ruhkala</i>
<i>Leslie C. Martinez</i>	<i>Steven W. Spencer</i>
<i>Dennis E. Morris</i>	

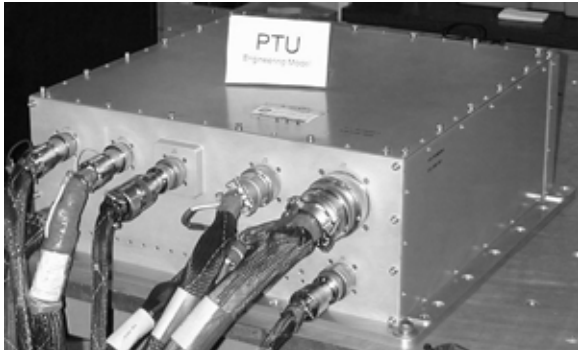
### *Accepting the Project Award*

**Bruce A. Janeski**  
Chief Project Engineer



---

# ***DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS***



## ***Station-Shuttle Power Transfer Unit Design, Manufacturing, And Test*** Hamilton Sundstrand Rocketdyne Canoga Park, California

### ***Team Members***

*Donald R. Carlson      Lynda R. Kies  
Michael D. Fordyce    Hector V. Ortiz-Perez  
Steve H. Fruehauf     Andrew J. Sellin*

### ***Accepting the Project Award***

**Andrew J. Sellin**  
Program Manager

## ***MP-RTIP/Proteus Testbed Pod Development***

Northrop Grumman Integrated Systems  
El Segundo, California

### ***Team Members***

*Matt "Jim" Burns      Tom Vegors  
David Liang            Sherman Wang  
Ray Mendoza          Jiehui Wang  
Jay Snodgress         Steve West  
Takeo Tabuchi         Bo Wong*

### ***Accepting the Project Award***

**Jay Snodgress**  
Engineer



## ***F-117 Engine High Pressure Turbine Nozzle***

Lockheed Martin Aeronautics Company  
Palmdale, California

### ***Team Members***

*Nathaniel Bullock      John Lawry  
Mary Burris             Daniel Lloyd  
Kari Foster              Lawrence Miceli  
Paul Holder              Jerald Quarfat  
Frederick Hulsey        Victor Saucedo*

### ***Accepting the Project Award***

**John Lawry**  
Propulsion IPT Manager



---

---

## 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. Houghton, 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.)
- 2005 Hon. Sean O'Keefe, 10th NASA Administrator
- 2006 Hon. Curt Weldon, United States Congressman, Pennsylvania

---

---

# Special Presentation

## Honorary Engineer of the Year Award

Presented by

**Paul F. Landry**

President  
The Engineers' Council

to

**Admiral Michael G. Mullen**

Chief of Naval Operations  
United States Navy



*Admiral Michael G. Mullen*

**A native of Los Angeles, Admiral Mullen graduated from the U.S. Naval Academy in 1968. He has served in Allied, Joint and Navy positions, overseas and in both the Atlantic and Pacific Fleets.**

**As a junior officer, he served in various leadership positions aboard USS Collett (DD 730), USS Blandy (DD 943), USS Fox (CG 33) and USS Sterett (CG 31). Adm. Mullen commanded three ships: USS Noxubee (AOG 56), USS Goldsborough (DDG 20), and USS Yorktown (CG 48). As a Flag Officer, he commanded Cruiser-Destroyer Group Two and the George Washington Battle Group. Adm. Mullen's last command at sea was as Commander, U.S. Second Fleet/Commander, NATO Striking Fleet Atlantic.**

**Ashore, Adm. Mullen served as Company Officer and Executive Assistant to the Commandant of Midshipmen at the U.S. Naval Academy. He also served in the Bureau of Naval Personnel as Director, Surface Officer Distribution and in the Office of the Secretary of Defense on the staff of the Director, Operational Test and Evaluation. On the Chief of Naval Operations' staff, Adm. Mullen served as Deputy Director and Director of Surface Warfare; Deputy Chief of Naval Operations for Resources, Requirements, and Assessments (N8); and as the 32nd Vice Chief of Naval Operations.**

**Adm. Mullen graduated from the Naval Postgraduate School in Monterey, Calif., with a Master of Science degree in Operations Research. He is also a graduate of the Advanced Management Program at the Harvard Business School.**

**Adm. Mullen's last operational assignment was Commander, Joint Force Command Naples/Commander, U.S. Naval Forces Europe. Based in Naples, Italy, he had operational responsibility for NATO missions in the Balkans, Iraq, and the Mediterranean as well as providing overall command, operational control, and coordination of U.S. naval forces in the European Command area of responsibility.**

**Admiral Mullen became the 28th Chief of Naval Operations on July 22, 2005.**



© 2007 Northrop Grumman Corporation

**High technology with a human touch.**

**Northrop Grumman congratulates the  
2007 Engineers' Council Distinguished Award Winners**

- Global Hawk Communications Demonstration Management Team
- Global Hawk Wing And Fuselage Ultimate Test Team
- MPRTIP/Proteus Testbed Pod Development Team
- Global Hawk Maritime Demonstration Team
- RQ-4B Global Hawk Electric Brake System Integration
- RQ/8A Shipboard Landing At Sea Flight Test Team
- B-2 Transparency Test Set Team
- B-2 Extremely High Frequency Systems Eng. & Systems Analysis Team
- B-2 Aft Deck Forward Skin Modification
- EA-18G Growler Development and Modification Program
- EKV Inertial Measurement Unit
- Development of the Northrop Grumman LN-120G – Stellar/Inertial/GPS – Navigation Unit
- The Integrated Navigation, Controls and Display Software for the E2-D

- Mr. Andrew M. Jakubek** Outstanding Engineering Achievement Merit Award
- Mr. Jerry Huben** Distinguished Engineering Achievement Award
- Mr. William J. Watkins** Distinguished Engineering Achievement Award
- Dr. George A. Pavlath**
- Dr. Henry C. Abbink**
- Mr. Paul Marchisotto** Jack Northrop Spirit of Innovation Award  
(Awarded posthumously)

[www.northropgrumman.com](http://www.northropgrumman.com)

---

---

# Jack Northrop Spirit of Innovation Award

Presented by

**Frank Flores**

Vice President

Engineering, Logistics and Technology  
Northrop Grumman Integrated Systems  
El Segundo, California

to

**Paul Marchisotto**

(posthumously)

VP, Advanced Systems  
Capabilities

Northrop Grumman Integrated Systems  
El Segundo, California



*Paul Marchisotto*

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

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.

---

---

Previous Recipient  
**Douglas E. Wood 2006**

---

◆

# Lockheed Martin Aeronautics Company. . .

Proudly congratulates the  
2007 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.





---

# Clarence L. "Kelly" Johnson Skunk Works Award

Presented by

## Frank Cappuccio

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

to

## Richard Heppe

President (retired)  
Lockheed California Company  
Burbank, California



*Richard Heppe*

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. Kelly played a leading role in the design of more than forty aircraft including the P-38 Lighting, 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, including two Collier Trophies, two Theodore Von Kármán awards, the Wright Brothers Memorial Trophy, two Sylvanus Albert Reed Awards, and the Daniel Gugenheim 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 program of the future.

---

### Past Recipients

Clarence L. "Kelly" Johnson (Posthumously)	1992	Burt Rutan	2000
Lt. Gen. James A. Fain, Jr., USAF	1993	Sherman N. Mullin	2001
Major Gen. Richard Scofield, USAF	1994	Lt. Gen. Bruce Carlson, USAF	2002
Ben R. Rich (Posthumously)	1995	Lt. Gen. Michael A. Hough, USMC	2003
Gen. Joseph W. Ralston, USAF	1996	Lt. Gen. Harold W. Blot, USMC (ret.)	2004
Ge. Howell M. Estes III, USAF	1997	Dain M. Hancock, LMAC	2005
Lt. Gen. George K. Muellner, USAF	1998	Dr. Anthony J. Tether, DARPA	2006
Natalie W. Crawford	1999		

---

# DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS



## *EA-18G Growler Development And Modification Program*

Northrop Grumman Integrated Systems  
El Segundo, California

### *Team Members*

<i>Robert Alves</i>	<i>Stephen Johnson</i>	<i>Mohammad Sadrpour</i>
<i>Dave Armbruster</i>	<i>Thomas McBride</i>	<i>Osmond Shobu</i>
<i>Cathleen Curley</i>	<i>Amanda Mczeal</i>	<i>Dennis Stephens</i>
<i>Robert Gerhart</i>	<i>Ricky Meerdink</i>	<i>Mark Thomas</i>
<i>Todd Granacki</i>	<i>Nanette Pastor Hanna</i>	<i>Greg Turley</i>
<i>Brian Hill</i>		

### *Accepting the Project Award*

**Robert Gerhart**  
Manager & IPT Lead

## *Aegis Ballistic Missile Defense Program DVT & Block IA Production*

Pratt & Whitney Rocketdyne  
Canoga Park, California

### *Team Members*

<i>Bright A. Aregs</i>	<i>Deborah L. Koncel</i>
<i>Veronica L. Day</i>	<i>Craig A. Larson</i>
<i>Daniel D. Johnson</i>	<i>Matthew C. Widman</i>

### *Accepting the Project Award*

**Craig A. Larson**  
Chief Engineer



## *ASIP U-2 Design And Integration*

Lockheed Martin Aeronautics Company  
Palmdale, California

### *Team Members*

<i>Gregory Birdsall</i>	<i>Gregory Mathers</i>
<i>Robert Boles</i>	<i>Edmond J. Miller</i>
<i>Charlie Constantine</i>	<i>Richard Olmstead</i>
<i>Ross Cooper</i>	<i>Mark Powell</i>
<i>Evey Fong</i>	<i>David Sargeant</i>
<i>Ted Jewell</i>	<i>Jerome Testa</i>
<i>Michael Kent</i>	

### *Accepting the Project Award*

**Richard Olmstead**  
Program Manager

---

# ***DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS***

---



***The Integrated Navigation, Controls  
and Display Software for the E2-D***  
Northrop Grumman, Navigation Systems Division  
Woodland Hills, California

***Team Members***

<i>Michael Crawford</i>	<i>Wenn Nolan</i>
<i>Dan Crose</i>	<i>Ragini Saxena</i>
<i>Donna Heidkamp</i>	<i>Steven Shimasaki</i>
<i>Dwight Herr</i>	<i>David Sohn</i>
<i>David Hunter</i>	<i>Paul Wu</i>
<i>Tor Kinsinger</i>	

***Accepting the Project Award***

**Dwight Herr**  
Lead Engineer

## ***RQ-4B Global Hawk Electric Brake System Integration***

Northrop Grumman Integrated Systems  
San Diego, California

***Team Members***

<i>Steve Anderson</i>	<i>Jerry Foodman</i>	<i>Eric Lutz</i>
<i>Bryan Ash</i>	<i>Dan Fry</i>	<i>Rob Rudd</i>
<i>Tara Bruss</i>	<i>Lawrence Isenbarger</i>	<i>Scott Snelling</i>
<i>Casey Canan</i>	<i>Mike Liebert</i>	<i>Nate Tremblay</i>
<i>Robert Depasquale</i>	<i>John Liu</i>	<i>Steven Wulf</i>

***Accepting the Project Award***

**Eric Lutz**  
Engineer 5



## ***Delta IV Aeroskirt Elimination Assessment***

Pratt & Whitney Rocketdyne  
Canoga Park, California

***Team Members***

<i>Thomas Arriaga</i>	<i>Gregory A. Hausman</i>
<i>Brian A. Donnelly</i>	<i>Bradley E. Lichwala</i>
<i>John M. Fabry</i>	<i>Keith M. Shinozaki</i>
<i>Daniel Gomez</i>	

***Accepting the Project Award***

**John M. Fabry**  
Senior Engineer



---

# ***DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS***



## ***RS-27 Thrust Chamber Weld Margin Enhancement***

Pratt & Whitney Rocketdyne  
Canoga Park, California

### ***Team Members***

<i>Michael O. Akpati</i>	<i>Christopher T. Houghton</i>
<i>Camille M. Chidester</i>	<i>Jessica A. Stuart</i>
<i>Alan M. Eskenas</i>	<i>Kawika W. Tupou</i>
<i>David Ewing</i>	<i>Juan J. Velasquez</i>
<i>James R. Gilmore</i>	

### ***Accepting the Project Award***

**Camille M. Chidester**  
Launch Operations Manager

## ***Advanced Tactical Laser ACTD Laser First Light***

The Boeing Company  
West Hills, California

*Accepting the Project*  
**Jeff A. Hambleton**  
Integrated Product Team Lead



## ***Global Hawk Wing And Fuselage Ultimate Test***

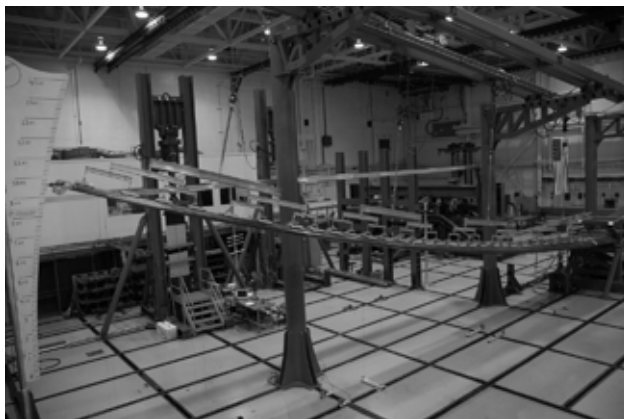
Northrop Grumman Integrated Systems  
San Diego, California

### ***Team Members***

<i>Paul Ackerman</i>	<i>Mike Fabrie</i>
<i>Geoff Appuhn</i>	<i>Jeff Glover</i>
<i>John Butterworth</i>	<i>Danny Howell</i>
<i>Wes Dreyer</i>	<i>Steve Mellentin</i>
<i>Kevin Dunivan</i>	<i>Mohammed Pourmand</i>

### ***Accepting the Project Award***

**Mohammed Pourmand**  
Engineer



---

---

# ENGINEER OF THE YEAR AWARD and PETER RECCHIA OMNI AWARD

Presented by

**John B. Plowden**

**Vice President**

**Program and Mission Success**

Pratt & Whitney Rocketdyne

to

**Thomas W. Blakely**

**Vice President of Engineering**

Lockheed Martin Aeronautics Company

Fort Worth, Texas



*Thomas W. Blakely*

---

---

## PETER RECCHIA OMNI AWARD

The movies have their Oscars, the television industry has its Emmy, and The Engineers' Council presents, for the thirty-fifth 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 Omni Award was renamed in his honor, "The Peter Recchia Omni Award."

---

## 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
- 2005 Thomas R. Gavin, Associate Director, Jet Propulsion Laboratory, Pasadena, California
- 2006 John B. Plowden, General Manager, Pratt & Whitney Rocketdyne Customer Site Operations

---

# ROBERT H. GODDARD SPACE PROPULSION PIONEER AWARD

Presented by

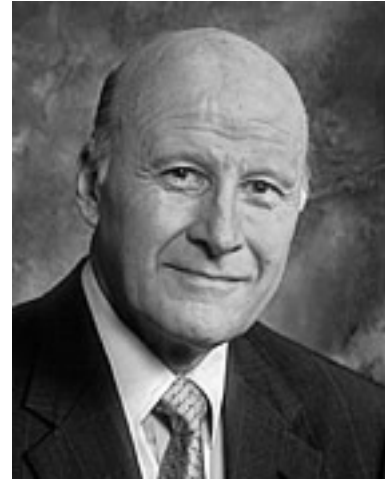
**Sam Iacobellis**

Rockwell Executive Vice President  
and Deputy Chairman (Retired)

to

**Byron K. Wood**

President  
Pratt & Whitney Rocketdyne  
Canoga Park, California



*Byron K. Wood*

---

This award is given in honor of the founder of modern rocketry,  
**Dr. Robert H. Goddard.**

Dr. Robert H. 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.

---

# DISTINGUISHED ENGINEERING ACHIEVEMENT AWARDS



## **Dr. Henry C. Abbink**

Senior Research Scientist  
Northrop Grumman, Navigation Systems Division  
Woodland Hills, California

*In recognition of innovation, dedication, contributions, and achievements  
in furthering the development of inertial instruments and sensors*

## **Anousheh Ansari**

Chairman  
Prodea Systems, Inc.  
Plano, Texas

*For engineering entrepreneurial leadership in world-changing technologies,  
and making history as the world's first female private space explorer aboard  
Soyuz and the International Space Station*



## **Douglas P. Bradley**

Product Team Manager  
Pratt & Whitney Rocketdyne  
Canoga Park, California

*In recognition and appreciation for contributions to the continued safe  
flight of the Space Shuttle Main Engines, and efforts to support the  
implementation of the Advanced Health Management System*



---

# DISTINGUISHED ENGINEERING ACHIEVEMENT AWARDS



## **Carl F. Ehrlich, Jr.**

Space Vehicle Development Consultant  
Calabasas, California

*For missile and space vehicle configuration design and development,  
spanning a distinguished career of 48 years*

## **Dr. Allen L. Goldman**

Senior Fellow  
Pratt & Whitney Rocketdyne  
Canoga Park, California



*In recognition of over 30 years experience in industry, research, and academia,  
and as the Pratt & Whitney Rocketdyne expert in hypersonic airbreathing  
propulsion systems, with specialization in inlet technology*



## **Michael G. Huben**

Engineering Specialist  
Northrop Grumman Integrated Systems  
El Segundo, California

*In recognition of hard work and perseverance during a 65-year career  
spanning the history of modern aviation, from prop aircraft to jet engines,  
and modern avionics and LO systems*

---

---

# DISTINGUISHED ENGINEERING ACHIEVEMENT AWARDS



## **John B. Kalisz**

Senior Technical Fellow

Lockheed Martin Aeronautics Company  
Palmdale, California

*For design contributions that have advanced the state of the art and for mentoring a new generation of aerospace engineers*

## **Michael R. Myers**

Director

Lockheed Martin Aeronautics Company  
Palmdale, California

*For demonstrated leadership in the advancement and application of technology and engineering management principles in the development of innovative flight vehicles over the past three decades*



## **Dr. George A. Pavlath**

Director

Northrop Grumman, Navigation Systems Division  
Woodland Hills, California

*For pioneering development of fiber optic technology and its application to inertial navigation and acoustic sensing*

---

# DISTINGUISHED ENGINEERING ACHIEVEMENT AWARDS



## **Dr. Kadambi R. Rajagopal**

Senior Fellow  
Pratt & Whitney Rocketdyne  
Canoga Park, California

*For 28 years of analysis and design focusing on performance, robustness and reliability, in development of multi-disciplinary analysis and design processes with successful technology transition*

## **Dr. Donald C. Slater**

Chief Engineer, Advanced Tactical Laser  
The Boeing Company  
West Hills, California



*In recognition of engineering and leadership contributions in the application and demonstration of directed energy weapon systems*



## **Ronald Tyre Jr.**

Director of Quality, Safety & Mission Assurance  
Pratt & Whitney Rocketdyne  
Canoga Park, California

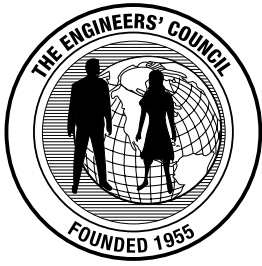
*In recognition of relentless focus on quality across the SSME program, resulting in improved reliability, and ultimately the safety of our Astronauts*

## **Jon C. Volkmann**

Program Manager  
Pratt & Whitney Rocketdyne  
Canoga Park, California

*In recognition of a career of outstanding technical and leadership contributions to the aerospace industry*





---

# San Fernando Valley Engineers' Council

NORTHRIDGE, CALIFORNIA

## *Congratulates*

## 2007 NATIONAL ENGINEERS WEEK HONOREES

*And*

## *Thanks Engineers Week Participants*

AIAA San Fernando Pacific

The Boeing Company

CSUN/CECS

General Chuck Yeager  
Foundation

IEEE San Fernando Valley

JPL/NASA

Lockheed Martin  
Aeronautics Company

Northrop Grumman  
Integrated Systems

Northrop Grumman  
Navigation Systems

Pratt & Whitney Rocketdyne

Dr. Robert J. Budica

SME San Fernando Valley

---

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 2006, the Engineers' Council contributed to its educational and charitable programs, which included the following:

### **Scholarships**

- CSUN Foundation Scholarship Funds
- Scholarships to graduating seniors from Canoga Park, Chatsworth, Harvard Westlake, North Hollywood, and William Howard Taft High Schools

### **Educational Enrichment**

- Major Sponsor of LADWP/LAUSD Science Bowl
- Sponsor of CSPE MATHCOUNTS Competition at CSUN
- LA County Science Fair

### **Engineering Education**

- Engineers Week Technical Symposium on the Nanotechnology Revolution

The Engineers' Council is also proud to recognize the commitment to education by Ernie Schaeffer, member of the council and Engineer of the Year 1996, who has pledged two million dollars to establish the Ernie Shaeffer Center for Innovation & Entrepreneurship at the College of Engineering and Computer Science at California State University, Northridge.

---

---

# William B. Johnson International Inter-Professional Founders Award

Presented by

**Robert B. Tarn**

**Staff Engineer**

Pratt & Whitney Rocketdyne  
Canoga Park, California

to

**Richard C. Peters**

**Chief Manufacturing Engineer**

The Timken Company  
Bucyrus, Ohio



*Richard C. Peters*

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 the memorial award reflects his image.

---

---

## Past Recipients

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



# 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.



*The Foundation is pleased to support  
the 2007 Los Angeles County Science Fair Scholarships  
with a gift of \$ 1,000.*

[www.ChuckYeager.com](http://www.ChuckYeager.com)



**American Institute of Aeronautics and Astronautics  
San Fernando Pacific Section**

## *Congratulates all Engineers Week Honorees*

### **Including the Following AIAA Members**

#### **Robert H. Goddard Space Propulsion Pioneer Award**

*Byron K. Wood, Fellow*

#### **Theodore von Karman Mission Excellence Award**

*Dr. Firouz Naderi, Assoc. Fellow*

#### **Jack Northrop Spirit of Innovation Award**

*Paul Marchisotto (posthumously)*

#### **Distinguished Engineering Achievement Award**

*Carl F. Ehrlich, Assoc. Fellow*

*Michael G. Huben, Assoc. Fellow*

*Dr. Allen L. Goldman*

*Dr. Kadambi R. Rajagopal*

#### **Outstanding Engineering Achievement Merit Award**

*Dr. Nhut T. Ho*

*John W. Vinson*

#### **Distinguished Engineering Project Achievement Award Team Members**

*David M. Davidson*

*Robert Gerhart*

*Mike Lazar*

*Theodore J. Schuldt, Jr*

*Wes Dreyer*

*Stephen Johnson*

*Howard Lee*

*Donald S. Stevenson*

*Don Gates*

*Gabriel R. Katell*

*Dennis E. Morris*

*Gregg Turley*

---

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

Presented by  
Brigadier General (ret.)  
**Charles E. Yeager**

to

**Col. Frank Borman**  
USAF (ret.)



Col. Frank Borman

**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 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	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	1990	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 Diax	1995	Maj. General Doug Pearson, USAF	2004
Jack Real	1996	Roy Martin, NGC	2005
David L. Ferguson	1997	Lt. Col. Dawn M. Dunlop, USAF	2006

---

California State University  
**Northridge**

*The College of Engineering & Computer Science  
at California State University, Northridge*



is grateful to

**Ernie Schaeffer**

for his generosity and his vision  
in creating the

**Ernie Schaeffer Center on  
Innovation and Entrepreneurship**



*Congratulations to the  
2007 Honorees!*

**Dr. Diane Schwartz**

**“John J. Guarrera Engineering Educator of the Year Award”**

**Dr. Nazaret Dermendjian**

**“Outstanding Engineering Achievement Merit Award”**

**Dr. Nhut Ho**

**“Outstanding Engineering Achievement Merit Award”**



---

---

**JOHN J. GUARRERA**  
**ENGINEERING EDUCATOR OF THE YEAR AWARD**

Presented by

**S. K. Ramesh**

Dean  
College of Engineering and Computer Science  
California State University, Northridge

to

**Dr. Diane Schwartz**

Professor of Computer Science  
California State University, Northridge



*Dr. Diane Schwartz*

---

**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”.**

**This year, in honor of The Engineers’ Council founding member John J. Guarrera, this award bestowed upon the top educator has been named the John J. Guarrera Engineering Educator of the Year Award”.**

---

**Past Recipients**

Dr. Alfonso F. Ratcliffe, CSUN	1982	Dr. Sembian R. Rengarajan, CSUN	1995
Dr. Robert Y. Wong, CSUN	1983	Dr. Roger Di Julio, CSUN	1996
Dr. Edmond S. Gillespie, CSUN	1984	Dr. Martin S. Roden, CSULA	1997
Dr. Thelma Estrin, UCLA	1985	Dr. Ramin Roosta, CSUN	1998
Dr. Gregg W. Dixon, CSUN	1986	Dr. Helen A. Ryaciotaki-Boussalis, CSULA	2000
Dr. Bonita J. Campbell, CSUN	1987	Dr. Sharlene Katz, CSUN	2001
Dr. Diane Schwartz, CSUN	1988	Dr. Stewart Prince, CSUN	2002
Dr. Larry Lichten, CSUN	1989	Dr. Nagwa Bekir, CSUN	2003
Dr. B. J. Shell, Northop University	1991	Tarek A. Shraibati, CSUN	2004
Dr. Mihran S. Agbabian, USC	1992	Dr. Robert G. Ryan, CSUN	2005
Dr. Michael Hassul, CSULB	1993	Dr. Mihri Ozkan, UCR	2006
Dr. John W. Adams, CSUN	1994		

---

***OUTSTANDING ENGINEERING  
ACHIEVEMENT MERIT AWARDS***

**Scott P. Kennedy**

Systems Engineer Senior Staff  
Lockheed Martin Aeronautics Company  
Palmdale, California

*“For significant contributions to advanced vehicle designs, propulsion integration, and system testing, and in recognition as the industry expert in the integration of advanced aircraft details and new RF designs”*

**Lori A. Ontiveros**

Program Manager  
Lockheed Martin Aeronautics Company  
Palmdale, California

*“For significant leadership contributions to U-2 Mission Systems Integration and to U-2 Program overall”*

**Anne Y. Kotake**

Member of the Technical Staff  
Pratt & Whitney Rocketdyne  
Canoga Park, California

*“For outstanding contributions to the RS-68 Endurance testing and upgrade efforts, and continued excellence in performance of RS-68 Engine Systems Analysis duties”*

**Dr. George E. Orient**

Associate Technical Fellow  
Pratt & Whitney Rocketdyne  
Canoga Park, California

*“In recognition of overall system architecture development and ongoing software implementation of automated multi-disciplinary design and analysis systems for Rocket Engine Nozzle, Chamber and Thruster Components”*

**Douglas R. Landon**

Engineering Manager  
Lockheed Martin Aeronautics Company  
Palmdale, California

*“For Outstanding Achievement in development of F-117 Air Data Probe quality and performance improvements, resulting in an increased reliability of the probes and highest level of customer satisfaction”*

**Rajesh C. Patel**

Systems Engineer  
Lockheed Martin Aeronautics Company  
Palmdale, California

*“For improving the F-117 Total System Health tool and processes to identify risk areas to the supportability of the F-117 and directly contribute to high Full Mission Capable rates”*

**Scott D. Munro**

Systems Engineer Senior Staff  
Lockheed Martin Aeronautics Company  
Palmdale, California

*“For tremendous support to the implementation, integration, and testing of numerous IRCM systems, designed to protect US combat forces in combat”*

**David A. Sargeant**

Flight Test Engineer  
Lockheed Martin Aeronautics Company  
Palmdale, California

*“For significant contributions to all U-2 flight test activities and the U-2 program overall”*

---

---

***OUTSTANDING ENGINEERING  
ACHIEVEMENT MERIT AWARDS***

**John B. Scarcello**

Research Engineering Manager  
Lockheed Martin Aeronautics Company  
Palmdale, California

*“For outstanding performance and exemplary leadership in planning and execution of challenging propulsion airframe integration activities to support the design and development of novel and innovative high-speed configurations”*

**Cindy N. Tran**

Software Engineer  
The Boeing Company  
Huntington Beach, California

*“For development of WEB-based applications to support the automated production of the Test Requirements Document for Delta IV Rocket Launches”*

**Keith M. Shinozaki**

Staff Engineer  
Pratt & Whitney Rocketdyne  
Canoga Park, California

*“For outstanding commitment to the RS-68 development and production programs”*

**James Valentine**

Aeronautical Engineer Senior Staff  
Lockheed Martin Aeronautics Company  
Palmdale, California

*“For outstanding performance, mastering the engineering skills, and obtaining critical knowledge as a Mass Properties Engineer”*

**Ray H. Shirr**

Principal Engineer Materials/Structures  
Pratt & Whitney Rocketdyne  
Canoga Park, California

*“In appreciation for dedicated structural dynamics support to the THAAD and J-2X Programs”*

**John W. Vinson**

Senior Manager  
Lockheed Martin Aeronautics Company  
Palmdale, California

*“For outstanding performance and exemplary leadership in planning and execution of challenging propulsion airframe integration activities to support the design and development of novel and innovative high-speed configurations”*

**Lewis G. Siewert**

Member of the Technical Staff  
Pratt & Whitney Rocketdyne  
Canoga Park, California

*“For outstanding contributions to the PWR Expendable Propulsion Program in support of valves and controls analysis and anomaly resolution”*

**William J. Watkins**

Engineer  
Northrop Grumman Integrated Systems  
Palmdale, California

*“In recognition of contributions to, and management of, key technologies development, design, integration, and support, on the US Air Force and Northrop Grumman B-2 Spirit Bomber”*

California State University  
**Northridge**

The College of Engineering & Computer Science  
at California State University, Northridge

*Celebrates the Life and Contributions of  
our Dear Friend and Colleague*



**John J. Guarrera**  
1922 - 2006

## **MATCHCOUNTS 2007**

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 sixteenth 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 OF THE 2007 COMPETITION**

---

---

**THEODORE VON KÁRMÁN  
MISSION EXCELLENCE AWARD**

Presented by

**Lisa Bergovoy**

Honors & Awards Chairwoman  
The Engineers' Council

to

**Dr. Firouz Naderi**

Associate Director for Programs  
JPL-NASA  
Pasadena, California



*Dr. Firouz Naderi*

---

---

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.

# DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS



## *Polecat UAS*

Lockheed Martin Aeronautics Company  
Palmdale, California

### *Team Members*

Scott Ames	Drake Harris	William Schneider
Richard Artz	Timothy King	Axel Sehic
Steve Burns	Ezra King	Michael Swanson
Mike Carter	Howard Lee	Paul Thorsen
Gary Decker	Keith Martin	Mark Tresnak

### *Accepting the Project Award*

**Michael Swanson**  
Project Lead

## *Space Shuttle Main Engine Advanced Health Management System*

Pratt & Whitney Rocketdyne  
Canoga Park, California

### *Team Members*

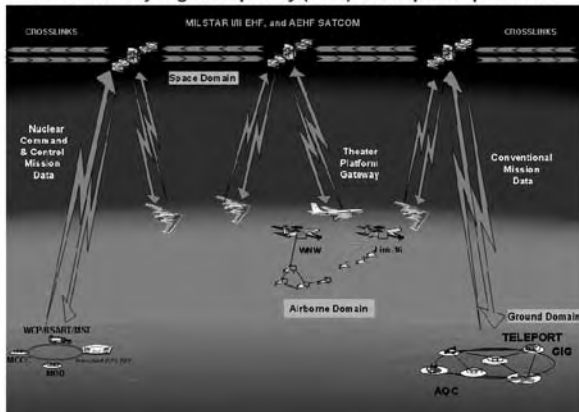
David M. Davidson	Theodore J. Schuldt Jr.
Phin Jones	Jeffrey L. Smith
Navneet F. Mezciani	Martha P. Willis
Brian L. Saunders	Hsou-Tao Yu

### *Accepting the Project Award*

**Martha P. Willis**  
Deputy Project Manager



## *B-2 Extremely High Frequency (EHF) Concept of Operations*



## *B-2 Extremely High Frequency Systems Engineering & Systems Analysis Team*

Northrop Grumman Integrated Systems  
Oklahoma City, Oklahoma

### *Team Members*

Ricardo Arteaga	Akram Hosain	John Pagoni
Ric Cory	Steve Lake	John Robertson
Christopher Fearday	Charles Mckinney	Paul Slaven
Russell Glasstetter	Kevin McMahon	Mark Thullen
Tracy Groves	James Nelson	Richard Tsumaki
Stephen Guine	Danyella Nicholson	

### *Accepting the Project Award*

**Danyella Nicholson**  
Engineer

# DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS



## *Terminal High Altitude Area Defense First Intercept*

Pratt & Whitney Rocketdyne  
Canoga Park, California

### *Team Members*

<i>William R. Anderson</i>	<i>Donald S. Stevenson</i>
<i>Gabriel R. Katell</i>	<i>Jody A. Wali</i>
<i>Jose E. Montes Jr</i>	<i>Dennis M. Warner</i>
<i>Stephen M. Parry</i>	

### *Accepting the Project Award*

**Donald S. Stevenson**  
Chief Engineer

## *EKV Inertial Measurement Unit*

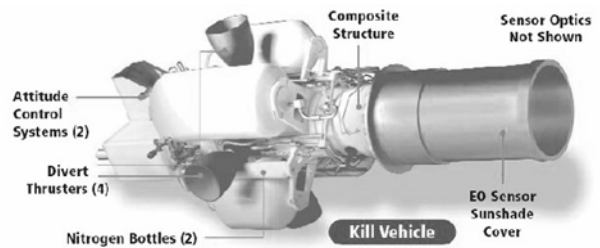
Northrop Grumman, Navigation Systems Division  
Canton, Massachusetts

### *Team Members*

<i>Robert Carvalho</i>	<i>Lori Julio</i>	<i>John Trask</i>
<i>Whalen Chin</i>	<i>David Libman</i>	<i>Kathy Travis</i>
<i>Neal Dahlen</i>	<i>Roula Malki</i>	<i>Bau Vo</i>
<i>Jesse Denson</i>	<i>Chrissy Sigrist</i>	<i>Khung Vuong</i>
<i>John Ennis</i>	<i>Jack Tisevich</i>	

### *Accepting the Project Award*

**John Ennis**  
Program Manager



## *Delta IV VAFB Inaugural Launch*

Pratt & Whitney Rocketdyne  
Canoga Park, California

### *Team Members*

<i>Kurt W. Coffman</i>	<i>Scott T. Trammell</i>
<i>James B. Haug</i>	<i>Mark A. Winquist</i>
<i>Darren M. McLaughlin</i>	<i>Brian S. Wygle</i>
<i>John A. Medley III</i>	

### *Accepting the Project Award*

**Brian S. Wygle**  
Flight Operations Engineer



---

# DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS



## *RQ-8A Shipboard Landing At Sea Flight Test*

Northrop Grumman Integrated Systems  
San Diego, California

*Team Members*

<i>Pat Baccanari</i>	<i>Randy Doyle</i>	<i>Howard Peppito</i>
<i>Adam Besachio</i>	<i>Shadi El Abdalah</i>	<i>Ron Prentice</i>
<i>Tom Boyd</i>	<i>Mike Engle</i>	<i>Herb Reutter</i>
<i>Frederick Burger</i>	<i>Doug Fronius</i>	<i>Rob Searle</i>
<i>Dave Carlan</i>	<i>Kevin Greene</i>	<i>Keith Stetter</i>
<i>Tom Coale</i>	<i>Sean Hannan</i>	<i>Jeff Stillman</i>
<i>Russ Common</i>	<i>Hampton Kau</i>	<i>Ron Theoldore</i>
<i>Scott Dalzell</i>	<i>Jim Masterson</i>	<i>Bob Ting</i>
<i>Mike Darragh</i>	<i>Jann Mayer</i>	<i>Paul Valdes</i>
<i>Lisa Derose</i>	<i>Robert Navarro</i>	

*Accepting the Project Award*

**Robert Navarro**  
Chief Engineer

## *Global Hawk Maritime Demonstration*

Northrop Grumman Integrated Systems  
San Diego, California

*Team Members*

<i>Matt Ahner</i>	<i>Trina Goodell</i>	<i>Mike Overson</i>
<i>George Arvonen</i>	<i>Dan Greer</i>	<i>Jim Payne</i>
<i>Andy Audette</i>	<i>Georgie Harrison</i>	<i>Patrick Reynolds</i>
<i>Terry Barefoot</i>	<i>Pete Higgins</i>	<i>Peggy Rivera</i>
<i>William Beck</i>	<i>Shawn Johnson</i>	<i>Renee Roark</i>
<i>Hugh Canning</i>	<i>Roger Jones</i>	<i>Brian Robins</i>
<i>Venu Chivukula</i>	<i>Mike Lazar</i>	<i>Rick Stuard</i>
<i>Scott Dare</i>	<i>Bob Lewis</i>	<i>Crystal Von Hagen</i>
<i>Mike Ertyl</i>	<i>Glen Mcadam</i>	<i>Tom Wayne</i>
<i>Eddie Evans</i>	<i>Shane Meisner</i>	<i>Mike Wilson</i>
<i>Don Gates</i>	<i>Bobby Ohsner</i>	<i>Reggie Young</i>

*Accepting the Project Award*

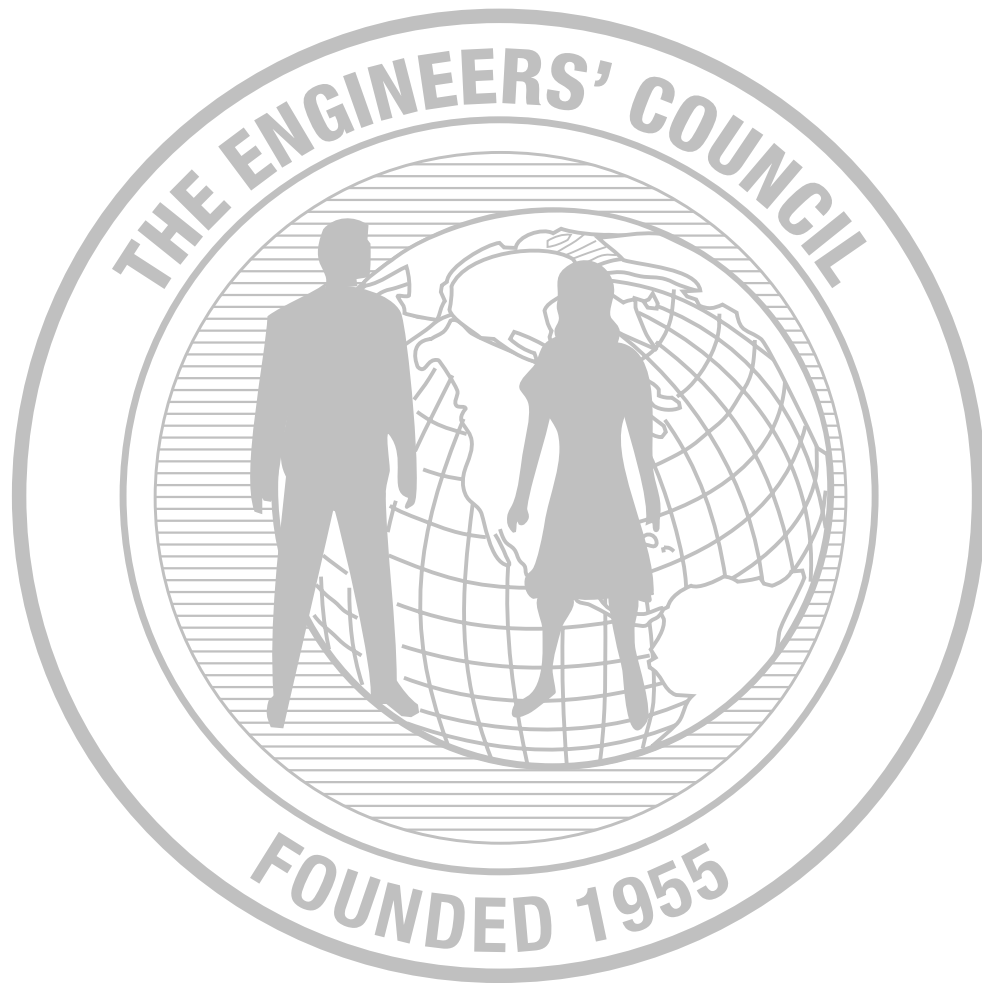
**Roger Jones**  
Engineer





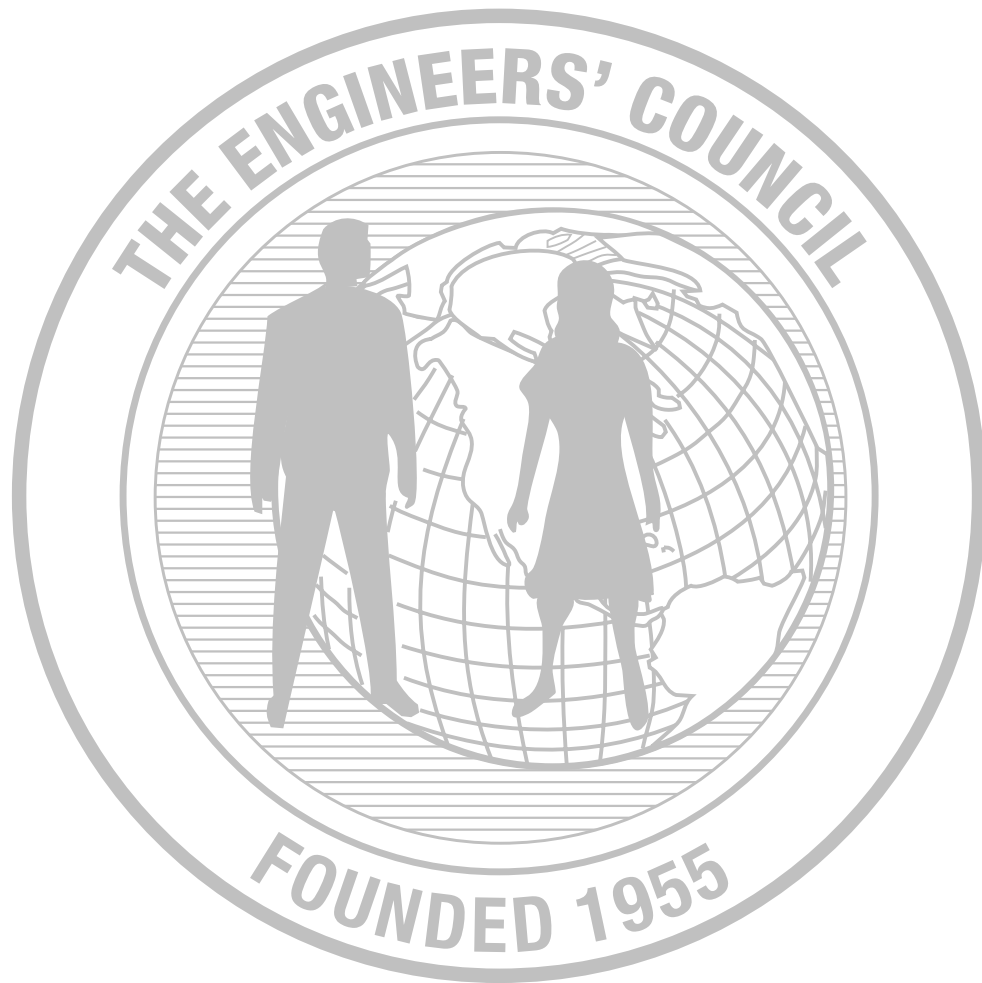
---

*NOTES*



---

*NOTES*



# POWERING DREAMS INTO REALITY

Congratulations to the National  
Engineers' Week Honorees  
for your great endeavors  
and accomplishments in 2006,  
and best of luck on your  
journeys ahead.



**Pratt & Whitney**

A United Technologies Company

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