

# THE ENGINEERS' COUNCIL

*Sherman Oaks, California*

*53<sup>rd</sup> Anniversary*

**HONORS AND AWARDS BANQUET**



**Saturday, February 23, 2008**

**Souvenir Program**



Keynote Speaker

**General Gregory "Speedy" S. Martin**  
United States Air Force (ret.)



Engineer of the Year

**Jeffrey S. Kincaid**  
Vice President of Engineering  
*Pratt & Whitney Rocketdyne*  
*Canoga Park, California*

*In Celebration of National Engineers Week February 17-23, 2008*

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# National Engineers Week Committee

<i>Banquet Chairman:</i>	<i>Paul F. Landry</i>
<i>Honors &amp; Awards Committee</i>	<i>S.K. Ramesh, Charles Olsefsky, Rick Ratcliffe</i>
<i>Souvenir Program &amp; Awards Editor:</i>	<i>Robert B. Tarn</i>
<i>Graphics and Publications:</i>	<i>Peggy Correa, Warren Huskey, Ray Sesma, Cathy Robles</i>
<i>Awards Assembly:</i>	<i>Patrick Berbon, Larry Dalton, Bill Johnson, Chris Melnyk, Steven Schroeder, Ray Straub</i>
<i>Sergeant-at-Arms:</i>	<i>Ray Montes</i>
<i>Hostess:</i>	<i>Mickey Knobloch</i>
<i>Audio/Video:</i>	<i>Carlos Guerra, AV Masters</i>
<i>Media Relations:</i>	<i>Ken Davis</i>
<i>Masters of Ceremony:</i>	<i>R. L. "Ron" Rogers, Robert B. Tarn, Dr. Charles H. Volk, Dean S.K. Ramesh</i>
<i>Banquet Setup/Awards Distribution:</i>	<i>Margo Guerra, Rita Seleznova, Mario Dominguez, Armen Dalyan, Luis Carbajo, Luis Hernandez, David Gonzalez</i>
<i>Math Counts:</i>	<i>Jerry Kraim</i>
<i>LA County Science Bowl:</i>	<i>Larry Dalton</i>
<i>High School Scholarships:</i>	<i>Ray Straub</i>

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## The Engineers' Council Board of Directors

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

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

**Directors-at-Large:** Roger L. Belt, Larry Dalton, Ken Davis, Milton Garland, William J. Johnson, Jagadish Kariyappa, Jerry Kraim, Charles Olsefsky, George Ortega, Dr. S.K. Ramesh, Roland L. Rogers, Dr. Ramin Roostra, Ray Straub

### *Special Thanks* to:

- Pratt & Whitney Rocketdyne Graphics & Publications for production of the Souvenir Program and support to production of the framed awards.
- 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.
- California State University Northridge for hosting our Awards Assembly Committee.

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**Presidential Message for National Engineers Week  
February 17-23, 2008**



**THE WHITE HOUSE**  
**WASHINGTON**  
January 14, 2008

I send greetings to those observing National Engineers week.

By harnessing the power of technology and science, engineers help transform and enhance the quality of life for people around the globe. Their work spurs innovation in many important areas, such as manufacturing defense, agriculture and aviation. For nearly six decades, National engineers Week has recognized engineers' contributions to society and encouraged young people to learn more about this exciting field.

For generations, Americans have been at the forefront of innovation. To continue our Nation's progress, maintain America's competitiveness, and carry on our legacy of innovation, our next generation of leaders must be well-versed in science, math and other critical subjects. My Administration founded the America Competitiveness Initiative, which is working to improve education in these areas, investing in research and development, and encouraging technological advances. Through our combined efforts, we can motivate young Americans to become the next generation of pioneers in engineering.

I appreciate America's engineers for working to develop the technology that makes our lives better. Your efforts are helping to build a more hopeful future for people everywhere.

Laura and I send our best wishes.

A handwritten signature in black ink, appearing to be "GWB", written in a cursive style.

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# THE ENGINEERS' COUNCIL

## *Sherman Oaks, California*

**1955**

***A Brief History***

**2008**

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

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***The Engineers' Council***  
*Sherman Oaks, California*

**53rd Anniversary**  
***Honors & Awards Banquet***

*Saturday, February 23, 2008*



***Reception – 5:00 p.m.***

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

***Dinner***

***Presentation of Awards - 6:45 p.m.***

**Keynote Address**  
*General Gregory “Speedy” S. Martin*

**Masters of Ceremony**  
*Robert B. Tarn, AIAA*  
*R. L. “Ron” Rogers, AIAA*  
*Dr. Charles H. Volk, IEEE, AAAS*  
*Dr. S.K. Ramesh, IEE, ASEE, SigmaXi*

***Closing***

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

### **Thomas Booth**

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

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

### **Paul Fitzgerald**

Electrical Engineer, Staff  
Lockheed Martin Aeronautics  
Palmdale, California

*For success of the F-117 Low Observable Instrumentation System modernization project, yielding a sustainable and affordable unit when needed to support the F-117 Fleet*

### **James Burke**

Test Engineer, Staff  
Lockheed Martin Aeronautics  
Palmdale, California

*For outstanding leadership, risk mitigation, and testing of controls/displays upgrades for critical U-2 AN/ALQ-221 Electronic Warfare and Optical Bar Camera capabilities deployed for the global war on terrorism*

### **Robert Fleming**

Product Line Director  
Northrop Grumman Corporation  
Woodland Hills, California

*For outstanding dedication, performance, and achievement in engineering design and team leadership for the US Navy E-2D Advanced Hawkeye Program, contributing to successful first flight in August 2007*

### **John Carroll**

Thermal Analyst  
Pratt & Whitney Rocketdyne  
Canoga Park, California

*For outstanding engineering accomplishments in the leadership and conduct of advanced thermal analysis and test of divert & attitude control propulsion systems*

### **Paul Gill**

Senior Manager  
Pratt & Whitney Rocketdyne  
Canoga Park, California

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

### **Jeffrey Fint**

Principal Engineer  
Pratt & Whitney Rocketdyne  
Canoga Park, California

*For contributions in the advancement of design, development, and fabrication of Rocket Engine Combustion Devices hardware*

### **Christopher Hoang**

Principal Structural Engineer  
Pratt & Whitney Rocketdyne  
Canoga Park, California

*For outstanding engineering accomplishments in the leadership and conduct of advanced structural analysis and test of divert & attitude control propulsion systems*

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***OUTSTANDING ENGINEERING  
ACHIEVEMENT MERIT AWARDS***

**Pin Long**

Principal Engineer  
Pratt & Whitney Rocketdyne  
Canoga Park, California

*For outstanding failure analysis and product improvement support for the SSME, ISS, and other PWR programs*

**Mark Reynosa**

Senior Software Systems Engineer  
Pratt & Whitney Rocketdyne  
Canoga Park, California

*For helping to shape the ever changing software field, bringing advanced technologies to challenging high risk areas, and helping the careers of his many co-workers*

**Renee O’Gorman**

U-2 CM Manager  
Lockheed Martin Aeronautics  
Palmdale, California

*For leadership of the U-2 Configuration Management Team, and for improvements made in integrating the U-2 and customer Configuration Management processes*

**Charles Seal**

RS-68 Launch Operations Engineer  
Pratt & Whitney Rocketdyne  
Canoga Park, California

*In recognition of exceptional contributions to the Delta IV DSP-23 launch success*

**Marc Patton**

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

*For outstanding contributions to RS-68 production testing and upgrade efforts, and continued excellence in performance of RS-68 Dynamic Analysis duties*

**Warren Williamson**

Systems Engineer, Staff  
Lockheed Martin Aeronautics  
Palmdale, California

*This award is presented for exemplary performance in the area of sustainment of the U-2 Airframe Mounted Accessory Drive*

**Barry Yao**

Systems Development Engineer  
Pratt & Whitney Rocketdyne  
Canoga Park, California

*In recognition of a lifetime achievement of successfully developing and increasing reliability of rocket propulsion systems in support of America’s space programs*

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



## ***RS-68A Upgrade Design Team***

Pratt & Whitney Rocketdyne  
Canoga Park, California

### ***Team Members***

<i>Roger Berenson</i>	<i>Yvette Garcia</i>	<i>Christie Matson</i>
<i>Robert Cuadros</i>	<i>Jon Brady</i>	<i>Ben Stein</i>
<i>John Fabry</i>	<i>Jose Covarrubius</i>	<i>Jim Gilmore</i>
<i>Aram Khachatourians</i>	<i>Douglas Parker</i>	<i>Greg Hausman</i>
<i>Nacer Thomas</i>	<i>Martha Mcgrath</i>	
<i>Ryan Irwin</i>	<i>Elizabeth Tisdale</i>	

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

**Roger Berenson**  
Project Leader

## ***Global Hawk Wing and Fuselage Ultimate Test Team***

Northrop Grumman Corporation  
Integrated Systems Western Region  
Rancho Bernardo, California

### ***Team Members***

<i>Wes Dreyer</i>	<i>Mo Pourmand</i>
<i>Paul Ackerman</i>	<i>Mike Fabrie</i>
<i>Geoff Appuhn</i>	<i>Henry Mohamad</i>
<i>Danny Howell</i>	<i>Troy Schmidt</i>

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

**Wes Dreyer**  
Project Leader



## ***ATFLIR IMU Problem Recovery Effort***

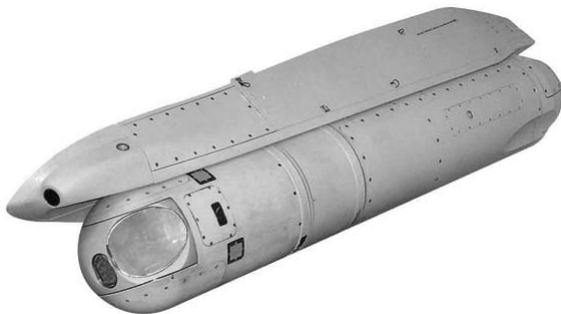
Raytheon Company, McKinney, Texas  
Northrop Grumman Corporation, Woodland Hills, California

### ***Team Members***

<i>William Haas</i>	<i>Michael Steiner</i>	<i>Joe Tung</i>
<i>Vincent Dea</i>	<i>Dana Epstein</i>	<i>Mark Kennedy</i>
<i>Jeffrey Orr</i>	<i>Kam Soohoo</i>	<i>Neal Keane</i>
<i>Albert Yoon</i>	<i>Russ Edens</i>	<i>Abigail Witzemann</i>
<i>John Anagnost</i>	<i>Roger Shaner</i>	<i>William Vellmure</i>

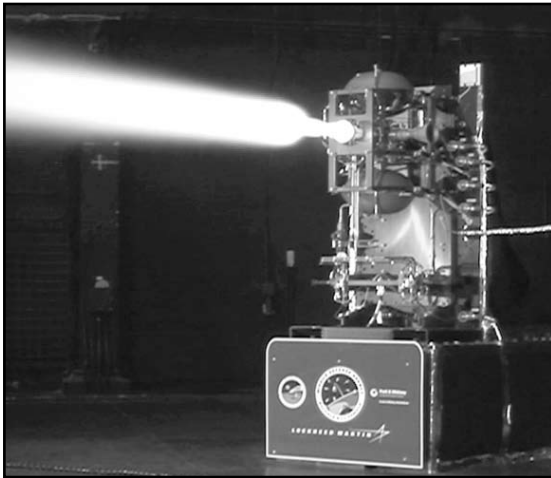
### ***Accepting the Project Award***

**William Haas**  
Project Leader





# DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS



## *MKV Carrier Vehicle DACS Hot Fire Test*

Pratt & Whitney Rocketdyne  
Canoga Park, California

### *Team Members*

<i>Bruce Janeski</i>	<i>Eric Stangeland</i>	<i>Gayle Danko</i>	<i>Hadi Darejeh</i>
<i>Bruce Nixon</i>	<i>Julie Istrate</i>	<i>William Anderson</i>	<i>Veronica Day</i>
<i>William Brown</i>	<i>Chris Hoang</i>	<i>Ted Davis</i>	<i>Steve Parry</i>
<i>Nick Lordi</i>	<i>Daniel Ruhkala</i>	<i>Albert Choi</i>	<i>Tim Simpson</i>
<i>Ali Moghaddas</i>	<i>Larry Coady</i>	<i>Brian Chu</i>	<i>Ken Slusser</i>
<i>Justin Turner</i>	<i>Steve Spencer</i>	<i>Ken Clark</i>	<i>Tom Walczuk</i>
<i>Max Ravid</i>	<i>Rodney Noble</i>	<i>Robert Czarnick</i>	<i>Adriana Almanza</i>

### *Accepting the Project Award*

**Bruce Janeski**  
Project Leader

## *U-2 Mission Procedures Trainer Force Feedback*

Lockheed Martin Aeronautics  
Palmdale, California

### *Team Members*

<i>Robert T. Lemen</i>	<i>Robert V. Ficarra</i>
<i>Willard C. Barnard</i>	<i>Christopher M. Londergan</i>
<i>Rod J. Bradbury</i>	<i>Thomas A. Poulter</i>
<i>Edward L. Burnett</i>	

### *Accepting the Project Award*

**Robert T. Lemen**  
Project Leader



## *AN/TYQ-23 Command and Control System*

Northrop Grumman Corporation  
Navigation Systems Division  
Woodland Hills, California

### *Team Members*

<i>Lawrence M. Linick</i>	<i>Carl W. Edstrom</i>	<i>Bill E. Carroll</i>
<i>John R. Tracy</i>	<i>Dan R. Pratt</i>	<i>Pat A. Morales</i>
<i>Long N. Tri</i>	<i>Terry S. Ishigo</i>	<i>Darrell T. Wight</i>
<i>Clay E. Nenno</i>	<i>Aram Vartanian</i>	<i>Thomas O. Mueller</i>
<i>Gary P. Duffy</i>	<i>Bob L. Mendow</i>	<i>Mark S. Chang</i>

### *Accepting the Project Award*

**Lawrence M. Linick**  
Project Leader



# DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS



## *Product Support Hardware Delivery Excellence*

Northrop Grumman Corporation  
Integrated Systems Western Region  
El Segundo, California

### *Team Members*

Jeffery Lulejian     Bob Krieger  
Ron Martin         Bruce Rice

### *Accepting the Project Award*

**Jeffery Lulejian**  
Project Leader

## *Long Range Strike CMMI Level 5*

Northrop Grumman Corporation  
Integrated Systems Western Region  
Tinker AFB, Oklahoma  
Palmdale, California

### *Accepting the Project Award*

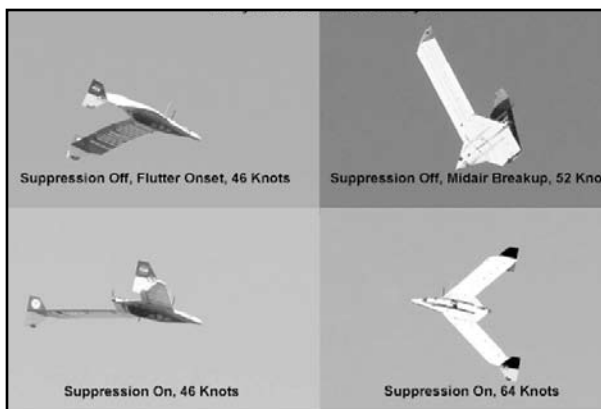
**Ronald Naylor**  
Project Leader



Tinker, Oklahoma Team Members



Palmdale, California Team Members



## *Body Freedom Flutter Project*

Lockheed Martin Aeronautics  
Palmdale, California

### *Team Members*

Dr. Leland M. Nicolai	Edward L. Burnett	Howard P. Lee
Jeff A. Beranek	Christopher J. Atkinson	Lee C. Atwood
Brian C. Sibbitt	Brian T. Holm-Hansen	Aaron S. Pahs
E. Allan Goforth	Michael A. Niestroy	Paul Wieselmann
Sarah J. Ostapchuk	Timothy D. King	Jeff D. Kleinberg

### *Accepting the Project Award*

**Dr. Leland M. Nicolai**  
Project Leader

# DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS



## *Global Hawk Engine Fuel Starvation Test Team*

Northrop Grumman Corporation  
Integrated Systems Western Region  
Rancho Bernardo, California

### *Team Members*

Abe Parekh	Paul Ackerman	Frank Rodriguez
Ichi Wakabayashi	Sal Rosal	Phillip Holmes
Charles Gardner	Monty Hutto	Thomas C Stiles
Homer Salinas	Mike Hart	Nathaniel G. Obrien
James Thompson	Richard Marthe	Garrison J. Lindholm
Manuel Duarte	Mark A. Weinstein	

### *Accepting the Project Award*

**Abe Parekh**  
Project Leader

## *Flight Path Vector Improvement Team*

The Boeing Company  
Long Beach, California

### *Team Members*

Van Pham	David M. McCartney
Dr. Michael A. Cabot	Trung Q. Nguyen
David G. Cirulli	Pat Quinlivan
Scott Culverwell	Victor Zahn
Si-Hyong Kim	

### *Accepting the Project Award*

**Van Pham**  
Project Leader



## *Air Force CV-22 Electronic Warfare Systems Developmental Test Team*

Air Force Flight Test Center  
Edwards Air Force Base, California

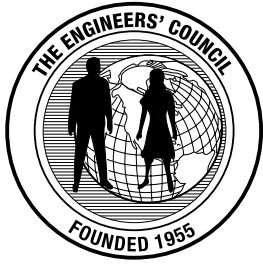
### *Team Members*

Stephen A. Ruthven	Steven M. Benveniste	Gregory M. Smith
Capt. Tamilyn Becker	Edward NMI Nguyen	James S. Hoge
Theresa (Phuong) N. Pham	Frederico R. Garza	Thomas H. Merring
Photi M. Christofas	Gustavo NMI Vasquez	

### *Accepting the Project Award*

**Stephen A. Ruthven**  
Project Leader





The Engineers' Council  
Sherman Oaks, California

*Congratulates*

2008 NATIONAL ENGINEERS  
WEEK HONOREES

*And*

*Thanks Engineers Week Participants*

AIAA San Fernando Pacific

The Boeing Company

CSUN/CECS

Air Force Flight Test Center  
Edwards Air Force Base

IEEE San Fernando Valley

JPL/NASA

Lockheed Martin  
Aeronautics Company

Northrop Grumman  
Integrated Systems

Northrop Grumman  
Navigation Systems

Pratt & Whitney Rocketdyne

Raytheon Company

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 2007, the Engineers' Council contributed to its educational and charitable programs, which included the following:

**Scholarships**

- CSUN Foundation Scholarship Fund
- Scholarships to graduating seniors from Canoga Park, 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

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# Keynote Address

Presented by  
**General Gregory “Speedy” S. Martin**

United States Air Force (ret.)



**Gen. Gregory S. Martin retired from the United States Air Force on 1 September 2005 after thirty-five years of active commissioned service. His final duty was as the Commander of the Air Force Materiel Command where he commanded nearly 80,000 personnel who are charged with the responsibility for the Air Force Science and Technology, Acquisition Support, Test and Evaluation and Weapons Systems Sustainment and Logistics missions.**

**A career fighter pilot with more than 4600 flying hours, mostly in the F-4 and the F-15, General Martin flew as a combat ready pilot, flight leader, instructor pilot, operations officer and squadron commander in various assignments throughout the world to include a combat tour in Southeast Asia where he flew 161 combat missions. He also commanded three fighter wings: The 479th Tactical Training Wing and the 33rd and 1st Fighter Wings.**

**Since retiring, General Martin has been performing Senior Mentor duties with the Joint Forces Command and also serves on the Board of Advisors for several aerospace and information technology firms.**

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# DISTINGUISHED ENGINEERING ACHIEVEMENT AWARDS



## **Peter Ackerman**

Systems Engineering Discipline Lead  
Pratt & Whitney Rocketdyne  
Canoga Park, California

*For the development and implementation of Systems Engineering disciplines on liquid rocket engine programs, and contributing to the establishment of many Best Practices within the Aerospace Industry*

## **Dr. Victor Chueh**

Consulting Engineer  
Northrop Grumman Navigation Systems Division  
Woodland Hills, California

*For major contributions to the science and engineering of inertial navigation systems that have been proven to be of significant benefit to the United States military and the security of the nation*



## **Gary Creps**

Senior Manager, Product Support  
Pratt & Whitney Rocketdyne  
Canoga Park, California

*In recognition of an innovative supportability engineering process architecture design tailored for the rocket propulsion environment*

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# DISTINGUISHED ENGINEERING ACHIEVEMENT AWARDS



## **Stephen Justice**

Skunk Works Concept Exploration Manager  
Lockheed Martin Aeronautics  
Palmdale, California

*For distinguished technology development and leadership in Skunk Works innovation as applied to current and future customer needs*

## **Kenneth Kan**

SSME Field Operations, Manager  
Pratt & Whitney Rocketdyne  
Canoga Park, California

*For outstanding contributions in the advancement and continued success of America's space program*



## **William Muddle**

Engineering Manager  
Pratt & Whitney Rocketdyne  
Kennedy Space Center, Florida

*For outstanding contributions and exemplary leadership in the advancement and continued success of America's space program*

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# DISTINGUISHED ENGINEERING ACHIEVEMENT AWARDS



## **Rees Padfield**

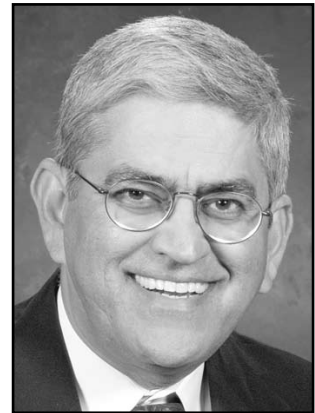
Chief Program Engineer  
Pratt & Whitney Rocketdyne  
Canoga Park, California

*For exemplary contributions as Chief Program Engineer for PWR Attitude Control Propulsion Systems, and for furthering missile defense systems, attitude control propulsion systems, and strategic nuclear deterrence for the U.S. and its allies*

## **Dr. Lalit Sharma**

Senior Manager  
Pratt & Whitney Rocketdyne  
Canoga Park, California

*For contributions to fluid dynamics investigations at Pratt & Whitney Rocketdyne, leadership in developing procedures to improve engineering quality, and mentoring of future engineering leadership*



## **Earl Walker**

Carr Lane Manufacturing Company  
St Louis, Missouri

*For international recognition as an engineer, educator, and executive founder of manufacturing industries under the "Carr Lane" name, supplying tooling and component needs with automated CAD designs for the automotive and aerospace industries*



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# William B. Johnson International Inter-Professional Founders Award

Presented by

**Robert B. Tarn**

Staff Engineer

Pratt & Whitney Rocketdyne  
Canoga Park, California

to

**Dr. Sharlene Katz**

Professor of Electrical Engineering  
California State University Northridge



*Dr. Sharlene Katz*

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.

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## 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	Richard C. Peters	2007

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



## ***Optical Flow for Enhanced Seeker Navigation and Exploitation***

Northrop Grumman Corporation  
Integrated Systems Western Region  
El Segundo, California

### ***Team Members***

*Dr. Omar Aboutalib      Jeremy Leibs*  
*Bruce A. Awalt          Dr. Bea Thai*  
*Dr. Alex Chinpang Fung*

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

**Dr. Omar Aboutalib**  
Project Lead

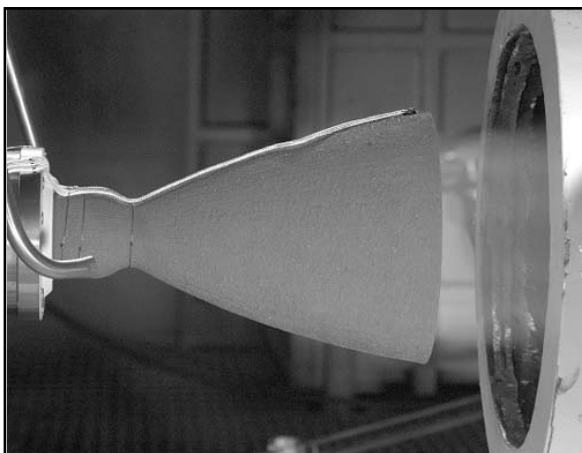
## ***F-117 Project Team*** Lockheed Martin Aeronautics Palmdale, California

### ***Team Members***

*James E. Baker          Tom B. Flapper*  
*Jacqueline K. Ostlund   James H. Wisneski*  
*Victor E. Saucedo*

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

**James E. Baker**  
Project Lead



## ***Mega Multi-Use Thruster***

Pratt & Whitney Rocketdyne  
Canoga Park, California

### ***Team Members***

*William S. Brown      Tim Hosking*  
*Fred Dodd              John Somerville*  
*Tom Walczuk          Tim Simpson*  
*Aaron Leichner        Rod Noble*

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

**William S. Brown**  
Project Lead

# DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS



***Relative Navigation Automated  
Air Refueling***  
Northrop Grumman Navigation Systems Division  
Woodland Hills, California

***Team Members***

<i>Dr. Alex Fax John Sahlman</i>	<i>Dr. Kevin Liu Steve Conyers</i>	<i>David Chong Robert D'Alo</i>
<i>Chris Moore</i>	<i>Phil Bruner</i>	<i>Robert Neher</i>
<i>Robert Buchler</i>	<i>Jeff Dewey</i>	<i>Michael Assily</i>

***Accepting the Project Award***

**Dr. Alex Fax**  
Project Lead

***Global Hawk Maritime Mission  
Capability Demonstration***

Northrop Grumman Corporation  
Integrated Systems Western Region  
Rancho Bernardo, California

***Team Members***

<i>William Beck</i>	<i>Tom Twomey</i>	<i>Roy Martin</i>	<i>Adesha Celestine</i>
<i>Matt Shihadeh</i>	<i>Charles Shea</i>	<i>Troy Johnson</i>	<i>Zak Pishnov</i>
<i>Mike Lazar</i>	<i>Devin Acklin</i>	<i>Brian Kobashigawa</i>	<i>Jim O'Brien</i>
<i>Hugh Canning</i>	<i>Michael Smole</i>	<i>Ronald Carvalho</i>	<i>Hugh Holt</i>
<i>Bruce Wright</i>	<i>Jayden Schrenk</i>	<i>Richard Kravitz</i>	<i>Robert Rebolledo</i>
<i>Song An</i>	<i>John Kratz</i>	<i>Brad Gaumer</i>	<i>Steven Bishop</i>
<i>Ian Kenny</i>	<i>William Akey</i>	<i>Jeff Pizzuti</i>	<i>Dennis Wojcik</i>
<i>Son Quach</i>	<i>Mark Fattal</i>	<i>Peter Shanaghan</i>	<i>Randy Martin</i>
<i>Mario Lo Patriello</i>	<i>Ron Raimer</i>	<i>Bob DuBois</i>	<i>Mark Mendenhall</i>
<i>Gary Phung</i>	<i>Dale Hayes</i>	<i>Keith Gooden</i>	
<i>Denise Nicoletti</i>	<i>Kevin Hamer</i>	<i>John Thompson</i>	

***Accepting the Project Award***

**Robert Fritz**  
Project Lead



***BAMS Head Start –  
Icing/De-Icing Testing***  
Northrop Grumman Corporation  
Integrated Systems Western Region  
Rancho Bernardo, California

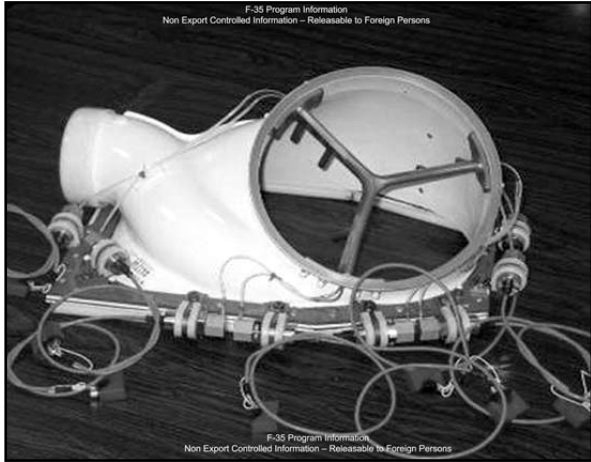
***Team Members***

<i>Stephen Mellentin</i>	<i>Steven Crabb</i>
<i>Mr. William Beck</i>	<i>Michael Moore</i>
<i>Mr. Peter Tupper</i>	<i>Russ Elliot</i>

***Accepting the Project Award***

**Stephen Mellentin**  
Project Lead

# DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS



## *F-35 Lightning II Integrated Power Package Inlet Plenum Pressure Measurement System*

Northrop Grumman Corporation  
Integrated Systems Western Region  
El Segundo, California

### *Team Members*

<i>Ajit Rai</i>	<i>Wei-Han Feng</i>	<i>Sam Dastmalchi</i>
<i>Krystle RoQuel Hicks</i>	<i>Eli H. Jackson</i>	<i>Michael T. Hahn</i>
<i>David M. Lanham</i>	<i>Joseph W. Podzimek</i>	<i>Steve O. Ballmer</i>
<i>Jonathan P. Wells</i>	<i>Greg E. Gullikson</i>	<i>Timothy R. Smith</i>
<i>Rudy C. Chavez</i>	<i>George H. Sugihara</i>	<i>Jose M. Mejia</i>
<i>Stephen T. Phillips</i>	<i>Roy Dodson</i>	<i>Anthony B. Vandermost</i>

### *Accepting the Project Award*

**Ajit Rai**  
Project Lead

## *Portable Wire Integrity Testing Team*

The Boeing Company  
Long Beach, California

<i>Vincent Truong</i>	<i>Bob C. Cowick</i>	<i>Kenneth . Guerrero</i>
<i>Paul D. Killian</i>	<i>John A. Carlson</i>	<i>Kristofer V. Smith</i>
<i>Timothy S. Wickham</i>	<i>Jimmy V. Le</i>	<i>David Holmes</i>
<i>Traci A. Rusnak</i>	<i>Ronald Johnson</i>	<i>Thomas Jackson</i>
<i>Michelle Del Aguila</i>	<i>Brian H. Co</i>	<i>Linda J. Kolkow</i>
<i>Greg M. Wellbrook</i>	<i>Rommel S. Villamil</i>	<i>Larry S. Simpkin</i>
<i>Craig K. Dean</i>	<i>Scott A. Bass</i>	<i>Charlie Wang</i>

### *Accepting the Project Award*

**Vincent Truong**  
Project Lead



## *THAAD Thermal Barrier Team*

Pratt & Whitney Rocketdyne  
Canoga Park, California

### *Team Members*

<i>Jody Wali</i>	<i>Jon Swanson</i>
<i>John Carroll</i>	<i>James McKinnon</i>
<i>Aaron Leichner</i>	<i>Rodney Noble</i>
<i>Stephen Parry</i>	<i>Leo Lee</i>
<i>Christopher Hoang</i>	<i>Thomas Walczuk</i>

### *Accepting the Project Award*

**Jody Wali**  
Project Lead



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# ROBERT H. GODDARD SPACE PROPULSION PIONEER AWARD

Presented by

**James Maser**

President

Pratt & Whitney Rocketdyne

**Maynard “Joe” Stangeland**

Chief Designer (ret.)

Pratt & Whitney Rocketdyne



*Maynard “Joe” Stangeland*

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**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.**

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Previous recipient: **Byron K. Wood, 2007**

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## 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  
2007 Thomas W. Blakely, Vice President of Engineering, Lockheed Martin Aeronautics Co., Fort Worth, Texas

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# ENGINEER OF THE YEAR AWARD and PETER RECCHIA OMNI AWARD

Presented by

**Thomas W. Blakely**

**Vice President of Engineering**

Lockheed Martin Aeronautics Company

Fort Worth, Texas

to

**Jeffrey S. Kincaid**

**Vice President of Engineering**

Pratt & Whitney Rocketdyne

Canoga Park, California



*Jeffrey S. Kincaid*

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## 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."

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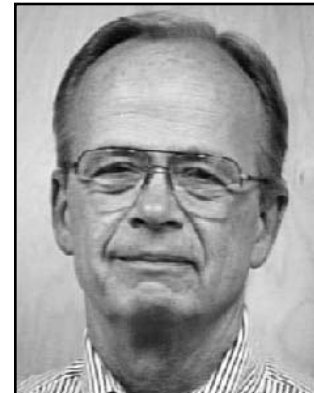
# DISTINGUISHED ENGINEERING ACHIEVEMENT AWARDS



**Shri Agarwal**  
Program Manager  
Jet Propulsion Laboratory  
Pasadena, California

*For your many years experience in microelectronics as Design/Development Engineer, Technical Specialist and Program Manager*

**J. Thomas Anderson**  
Senior Principal Engineer  
Lockheed Martin Aeronautics  
Palmdale, California



*For 42 years of experience in all aspects of the aerodynamic design of aircraft inlets and nozzles, including preliminary and detail design, analysis, test, and flight*



**Kevin Cramer**  
SSME Product Team Manager  
Pratt & Whitney Rocketdyne  
Canoga Park, California

*For technical capabilities, team building, customer focus, and communication skills, which have provided 25 years of superior leadership in the design, development, fabrication, test and flight operations of the Space Shuttle Main Engine*



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# DISTINGUISHED ENGINEERING ACHIEVEMENT AWARDS



## **Christopher Erickson**

Program Chief Engineer, ACPS  
Pratt & Whitney Rocketdyne  
Canoga Park, California

*For outstanding leadership of the Pratt & Whitney Rocketdyne Systems Engineering and Software Development directorship, resulting in a world class organization and CMMI Level 5 status*

**Myron A. Kleinbard**  
Director, Applied Technology  
Northrop Grumman Navigation Systems Division  
Woodland Hills, California

*For engineering leadership in the fields of inertial and telecommunications devices, and commitment to value creation through the development and stewardship of pioneering technologies*



## **David Wineland**

SSME Deputy Product Team Manager  
Pratt & Whitney Rocketdyne  
Canoga Park, California

*For outstanding contributions and innovations in the continued safe flight of the Space Shuttle Main Engines and advancement of liquid propulsion rocket engine*



**NORTHROP GRUMMAN**

DEFINING THE FUTURE™

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**High technology with a human touch.**

**Northrop Grumman congratulates the  
2008 Engineers Council Distinguished Award Winners**

*F/A-18, F-5/T-38 Product Support: Support Hardware Delivery Excellence  
F-35 Lightning II Integrated Power Package Inlet Plenum Pressure Measurement System Team  
Fire Scout Future Combat System Simulation Delivery  
Global Hawk Fire Support For the 2007 California Fires  
Global Hawk Engine Fuel Starvation Test  
Global Hawk Maritime Mission Capability Demonstration  
BAMS Head Start -- Icing De-Icing Testing  
Global Hawk Wing and Fuselage Ultimate Test Team  
Integrated Systems Western Region Long Range Strike CMMI Level 5  
Optical Flow For Enhanced Seeker Navigation and Exploitation (Offense)  
Oblique Flying Wing Testing  
UCAS-D Engineering Team*

*Annie Nguyen Outstanding Engineering Achievement Merit Award  
Charles Tomita Jack Northrop Spirit of Innovation Award*

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

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# Jack Northrop Spirit of Innovation Award

Presented by **Frank Flores**  
Vice President

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

to

**Charles Tomita**

Northrop Grumman Integrated Systems  
El Segundo, California



*Charles Tomita*

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.

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Previous Recipients

**Douglas E. Wood**, 2006

**Paul Marchisotto**, 2007 (posthumously)



## College of Engineering & Computer Science



Our programs in the College of Engineering & Computer Science are geared to provide an ideal blend of theory with a hands-on education for our students. This is evident in our laboratories, workshops, tutorials, senior design projects, and independent research activities. Other innovative programs, like our Honors Co-Op and Design Clinics, partner with industry to empower our students with a sense of entrepreneurship and leadership preparing them for the challenges ahead as they enter the 21st century workforce. Their success manifests itself through their achievements in various regional and national competitions. Just in the past year, student teams from our College have earned recognition and won prizes in a variety of events and competitions including the Formula Car (SAE), Intelligent Ground Vehicle (AUVSI), Steel Bridge (ASCE), Micromouse (IEEE), and the Autonomous Helicopter (IARC).

### **Congratulations to the 2008 Honorees!**

#### **MATCHCOUNTS 2008**

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 seventeenth 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 2008 COMPETITION**

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

Presented by

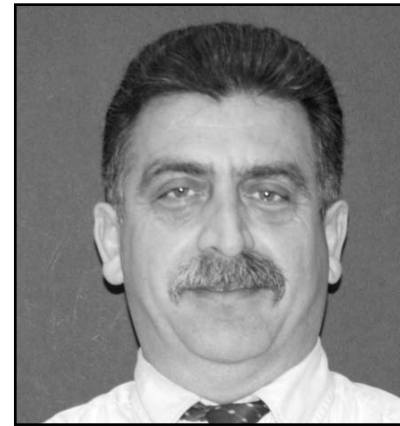
**S. K. Ramesh**

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

to

**Behzad Bavarian**

Professor  
California State University Northridge



*Behzad Bavarian*

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**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".**

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**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	Dr. Diane Schwartz, CSUN	2007

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# Lockheed Martin Aeronautics Company. . .

Proudly congratulates the  
2008 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.



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# Clarence L. “Kelly” Johnson Skunk Works Award

Presented by

**Frank Cappuccio**

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

to

**General Gregory “Speedy” S. Martin**

United States Air Force (retired)



*General Gregory “Speedy” S. Martin (ret.)*

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 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, including two Collier Trophies, two Theodore Von Kármán awards, the Wright Brothers Memorial Trophy, two Sylvanus Albert Reed Awards, and the Daniel Guggenheim Medal. In 1964, President Lyndon Johnson presented him with the nation’s highest civilian honor, the Medal of Freedom. President Ronald Reagan honored Kelly Johnson with the National Society Medal in 1983 and the National Medal of Technology in 1988. Kelly was enshrined in the Aviation Hall of Fame in 1974.

The Clarence L. “Kelly” Johnson Skunk Works Award is established to honor and to perpetuate his qualities, accomplishments, and standards as a model of excellence to be aspired to by future generations of engineers pioneering program of the future.

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## 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	Richard Heppe, LMAC	2007

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

### **Dennis Cruz**

System Engineer, Staff  
Lockheed Martin Aeronautics  
Palmdale, California

*For on-the-spot Engineering Analysis resulting in development of a unique technical/creative solution to an Environmental Control System problem which occurred during payload testing*

### **Dennis Morris**

Technical Fellow  
Pratt & Whitney Rocketdyne  
Canoga Park, California

*For outstanding propulsion system design and optimization, leading to capture of the MKV Carrier Vehicle test program through the development and application of the Propulsion System Sizing Tool*

### **Vonnie Douglas**

Staff Engineer  
Pratt & Whitney Rocketdyne  
Canoga Park, California

*For outstanding contributions to the Materials Engineering discipline in support of the SSME, RS-68, J-2X, and other Pratt & Whitney Rocketdyne rocket engine programs*

### **Annie Nguyen**

Engineer 3  
Northrop Grumman Corporation  
Palmdale, California

*For efforts in developing innovative Automatic Target Recognition (ATR) and Fusion Algorithms and Software utilizing Synthetic Aperture Radar (SAR) and Passive Infrared (IR) Sensors*

### **Juan Gomez**

Lead Engineer  
Pratt & Whitney Rocketdyne  
Canoga Park, California

*For outstanding test engineering leadership, technical knowledge, and willingness to share experiences with developing engineers to make our team stronger for the future*

### **Margarita Savoie**

Senior Manager  
Pratt & Whitney Rocketdyne  
Canoga Park, California

*In recognition of outstanding contributions to the electronics design process for propulsion and space power applications, and mentoring the next generation of engineers and scientists*

### **Robert Hightower**

Aeronautical Engineering Manager  
Lockheed Martin Aeronautics  
Palmdale, California

*For development of the F-117 Aircraft Wellness Evaluation process to find potential component failure problems before they become fleet issues and impact Mission Capability Rates*

### **Sara Seal**

Research Engineer Senior  
Lockheed Martin Aeronautics  
Palmdale, California

*For excellent work in the study of thermal energy flow/dissipation within a defined electromagnetic environment, and for contribution in the derivation of innovative and unconventional load transferring techniques*

### **Ali Moghaddas**

Project Engineer  
Pratt & Whitney Rocketdyne  
Canoga Park, California

*For outstanding engineering accomplishments in the leadership and development of critical new propellant tank and feed system component technology for divert & attitude control propulsion systems*

### **Harry Young**

Senior Structural Analyst  
Pratt & Whitney Rocketdyne  
Canoga Park, California

*In recognition of exceptional leadership to the RS-68A Engine Development Program and to the Delta IV DSP-23 launch success*



# DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS



## *Oblique Flying Wing Testing* Northrop Grumman Integrated Systems El Segundo, California

### *Team Members*

<i>Christopher Curnes</i>	<i>Pauline Nyon</i>	<i>Lewis Scherer</i>
<i>Edward Hobart</i>	<i>Susan Bieck</i>	<i>James Carroll</i>
<i>Adam Poost</i>	<i>Robert Weiss</i>	<i>Edward C. Chang</i>
<i>John E. Weaver</i>	<i>Christopher Hartley</i>	

### *Accepting the Project Award*

**Christopher Curnes**  
Project Lead

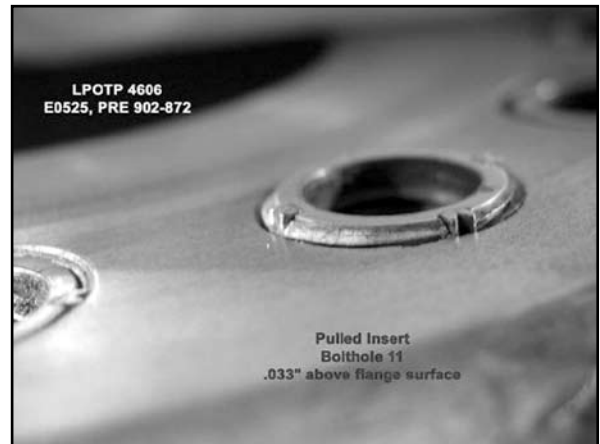
## *SSME LPTOP Insert Pullout* *Investigation Team* Pratt & Whitney Rocketdyne Canoga Park, California

### *Team Members*

<i>Alvin High</i>	<i>Alan B. Schwartz</i>	<i>Marla K. Manley</i>
<i>Carlene Wilson</i>	<i>Xavier Diaz</i>	<i>Elizabeth A. Chilcoat</i>
<i>Rory C. Arp</i>	<i>Thomas E. Comer</i>	<i>Anthony B. Magee</i>
<i>Donald W. Moody II</i>	<i>Gregory L. White</i>	

### *Accepting the Project Award*

**Alvin High**  
Project Lead



## *HTV-3X Propulsion Tiger Team* Lockheed Martin Aeronautics Palmdale, California

### *Team Members*

<i>Bradley C. Leland</i>	<i>Ashley C. Cousineau</i>	<i>Darrin F. Morvant</i>
<i>J. Thomas Anderson</i>	<i>Louis O. Croiseterie</i>	<i>Phyllis K. Russell</i>
<i>Sunny T. Chai</i>	<i>Christian C. Durand</i>	<i>Andrew J. Tworek</i>
<i>Chan H. Cho</i>	<i>Mike S. Gaudette</i>	<i>Sevan Megerian</i>
<i>Rajiv S. Chowdhry</i>	<i>John D. Klinge</i>	
<i>Chandler Clifton</i>	<i>Scott D. Van Weeldon</i>	

### *Accepting the Project Award*

**Bradley C. Leland**  
Project Lead

# DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS



## *Global Hawk Fire Support for the 2007 California Fires*

Northrop Grumman Corporation  
Integrated Systems Western Region  
Rancho Bernardo, California

### *Team Members*

*Bryan Lima     Mark Corley  
Bob Lewis     Jim Payne*

### *Accepting the Project Award*

**Bryan Lima**  
Project Lead

## *Fire Scout Future Combat System Simulation Delivery*

Northrop Grumman Corporation  
Integrated Systems Western Region  
Rancho Bernardo, California

### *Team Members*

*Joe Parada             David Scatena  
Susan Walker         Michael Roberts  
Richard Peluso*

### *Accepting the Project Award*

**Joe Parada**  
Project Lead



## *UCAS-D Engineering Team*

Northrop Grumman Corporation  
Integrated Systems Western Region  
El Segundo, California

### *Team Members*

<i>Phil Saunders</i>	<i>Darryl Abling</i>	<i>Avatar Hayre</i>
<i>Mike Mackey</i>	<i>Steve Bos</i>	<i>Ken Schoeller</i>
<i>Tom Soard</i>	<i>Jim Knight</i>	<i>Vince Kelly</i>
<i>Jeff Koehler</i>	<i>John Kent</i>	<i>Ted Schulman</i>
<i>Randy Jolls</i>	<i>Rick Trott</i>	<i>Mark Lonner</i>
<i>Mark Bradshaw</i>	<i>Mark Post</i>	<i>Willie Powell</i>
<i>Ken Manako</i>	<i>John Whittenbury</i>	<i>Paul Valdes</i>

### *Accepting the Project Award*

**Phil Saunders**  
Project Lead



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



## ***Nozzle Tube-To-Jacket Braze Inspection Digitizing Table For SSME***

Pratt & Whitney Rocketdyne  
Canoga Park, California

### ***Team Members***

<i>Richard L. Stiff</i>	<i>Daniel D. Dubsky</i>
<i>Benjamin M. Deutsch</i>	<i>Michael J. Kostelny</i>
<i>Thomas A. Koehnlein</i>	<i>Sung H. Ro</i>

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

**Richard L. Stiff**  
Project Lead

## ***RATTLRS Engineering And Design Team*** Lockheed Martin Aeronautics Palmdale, California

### ***Team Members***

<i>Patrick A. Tait</i>	<i>Gregory G. Hudgens</i>
<i>Peter A. Buck</i>	<i>Steven W. Singer</i>
<i>Dr. Charles H. Dillon Jr.</i>	<i>Christopher J. Smith</i>
<i>Ted E. Dopler</i>	<i>Jeffrey R. Theroux</i>
<i>Dennis B. Finley</i>	<i>Michael D. Thompson</i>
<i>Walter M. Franklin III</i>	<i>John W. Vinson</i>

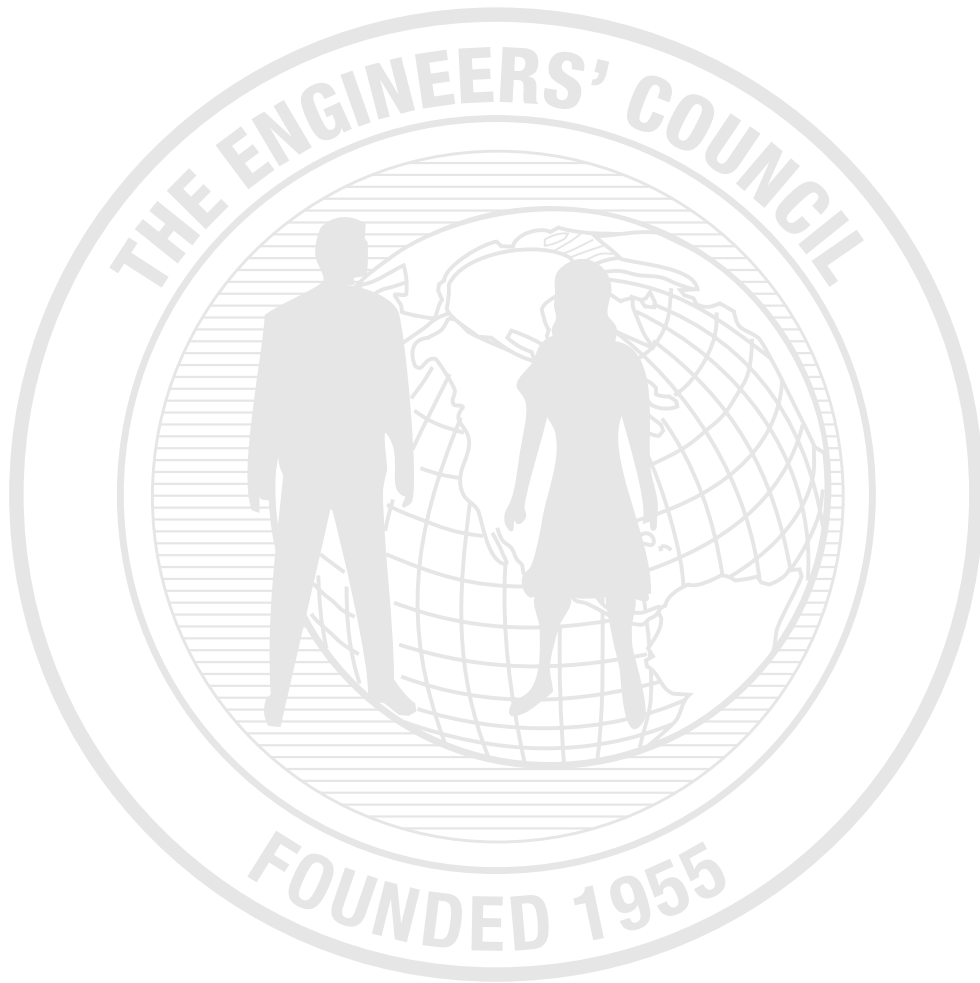
### ***Accepting the Project Award***

**Patrick A. Tait**  
Project Lead



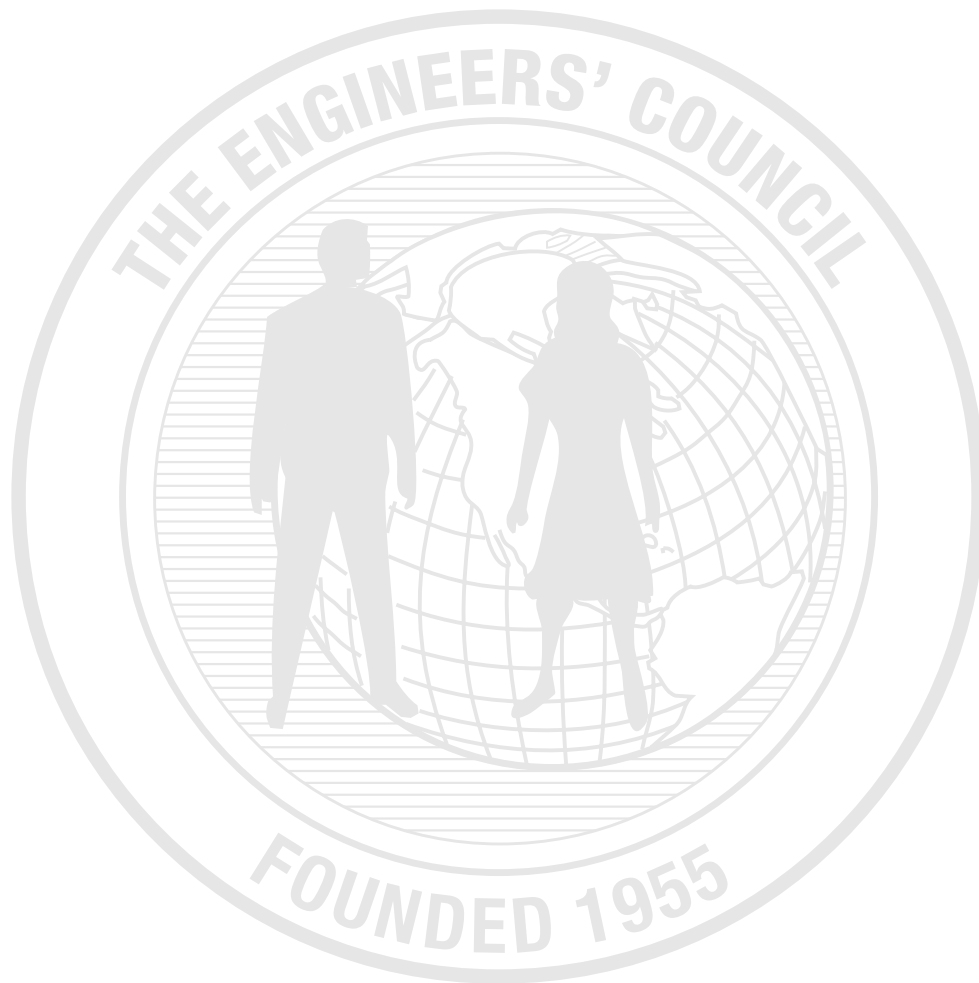
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# NOTES



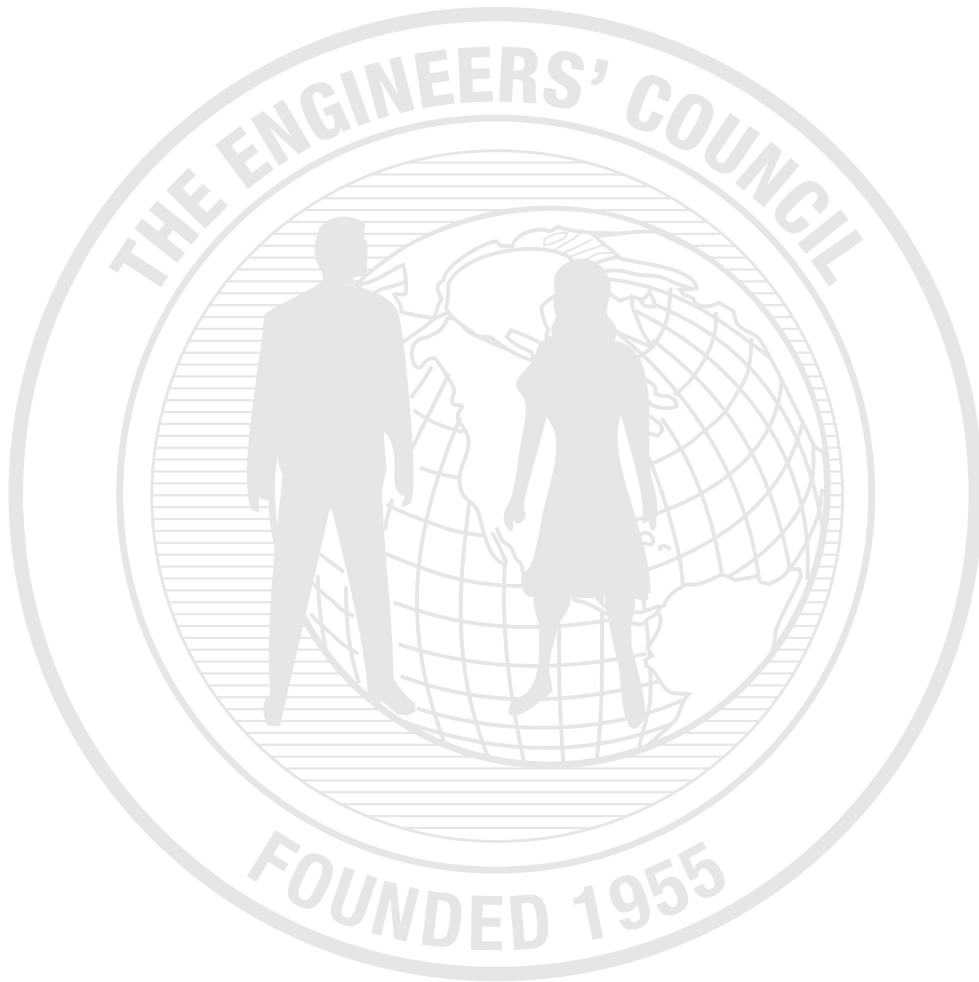
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# NOTES



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# *NOTES*



# POWERING DREAMS INTO REALITY

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