

57th Honors and Awards Banquet

Saturday February 25, 2012



In Celebration of National Engineers Week

“ 7,000,000,000 People

Seven Billion Dreams

Engineers Turn Dreams Into Reality ”

February 19 - 25, 2012

National Engineers Week Committees

~ BANQUET COMMITTEE ~

**Kenneth Davis, Sonja Domazet, Stephen Guine, William Johnson,
Paul Landry, R. Freeman Straub, Robert Tarn, Charles Volk,
Nicholas Koumvakalis, Sharlene Katz**

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**Marek Barylak, Kenneth Davis, Stephen Guine, Paul Landry,
Charles Olsefsky, R. Freeman Straub, Robert B. Tarn, Sharlene Katz**

~ AWARD PRESENTERS ~

**Kenneth Davis, Sonja Domazet, Stephen Guine, William Johnson,
Robert Tarn, Charles Volk, Sharlene Katz**

~ AWARDS ASSEMBLY ~

**Marek Barylak, Larry Dalton, Kenneth Davis, Sonja Domazet, William Johnson,
Sharlene Katz, Charles Olsefsky, R. Freeman Straub, Charles Volk**

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LM Skunk Works, Robert Grant, Julie Romig

~ AWARD GRAPHICS ~

Mike Matte

~ AUDIO / VIDEO ~

Swank Audio Visuals, Carlos Guerra

~ BANQUET SETUP / AWARDS DISTRIBUTION ~

Margo Guerra

~ MATH COUNTS ~

Jerry Kraim

~ LA COUNTY SCIENCE BOWL ~

Larry Dalton

~ FIRST ROBOTICS ~

R. Freeman Straub

2012 National Engineers Week



Guest Speaker

Bran Ferren

Co-Founder & Chief Creative Officer
Applied Minds

Engineer of the Year

James S. Paulsen

Vice President & Program Manager
Pratt & Whitney Rocketdyne



Engineering Educator of the Year

Dr. S. K. Ramesh

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



57th Honors and Awards Banquet

THE ENGINEERS' COUNCIL *Sherman Oaks, California*

1955

A Brief History

2012

The Engineers' Council was founded in 1955 as the "San Fernando Valley Engineers' Council" through the joint efforts of the California Society of Professional Engineers, the American Institute of Plant Engineers, the Society of Manufacturing Engineers, and the Institute of Electrical and Electronics Engineers. National Engineers Week, a national week of recognition of the engineering profession, has been celebrated since 1951.

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

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

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

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

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

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

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

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

The Engineers' Council

Sherman Oaks, California

**57th Annual
*Honors & Awards Banquet***

Saturday, February 25, 2012



Welcome & Introductions – 6:00 p. m.

Council President

Kenneth G. Davis

Dinner

Presentation of Awards - 7:00 p.m.

Master of Ceremonies

Charles H. Volk, Ph.D.

Presenters

Kenneth G. Davis

Sonja Domazet

Stephen Guine

William J. Johnson

Sharlene Katz, Ph.D.

Robert B. Tarn

Charles Volk, Ph.D.

Closing

***DISTINGUISHED ENGINEERING PROJECT
ACHIEVEMENT AWARDS***

MESSENGER Inertial Reference Unit

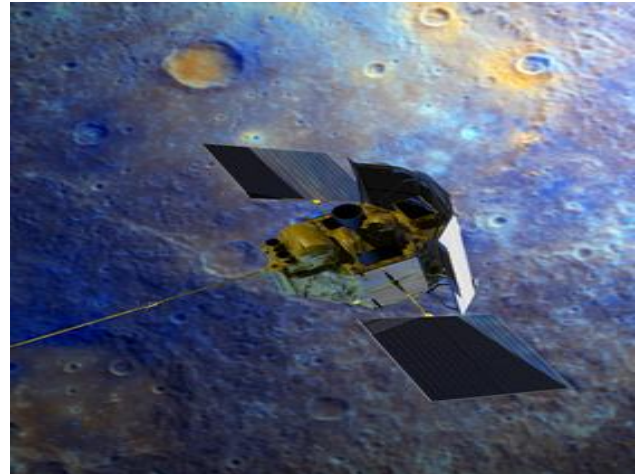
Northrop Grumman Navigation Systems Division
Woodland Hills, California

James Campanile
Jose Mancilla

Team Members
Peter Lee
David Rozelle
William Joseph

Miguel Ochoa
Ryan Savaya

Accepting the Project Award
Edward Lukas
Project Leader



Global Hawk 25KVA Generator Team

Northrop Grumman Aerospace Systems
San Diego, California

Keith Cleek

Team Members
Ryan Moriarty

Shannon Ward

Accepting the Project Award
Don Casinger
Project Leader

Global Aerospace Centre for Icing & Environmental Research (GLACIER)

Pratt & Whitney
East Hartford, Connecticut

Accepting the Project Award
Martin G. Shenkle
Project Leader



DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS

Multi Flutter Mode Control (MFMC)

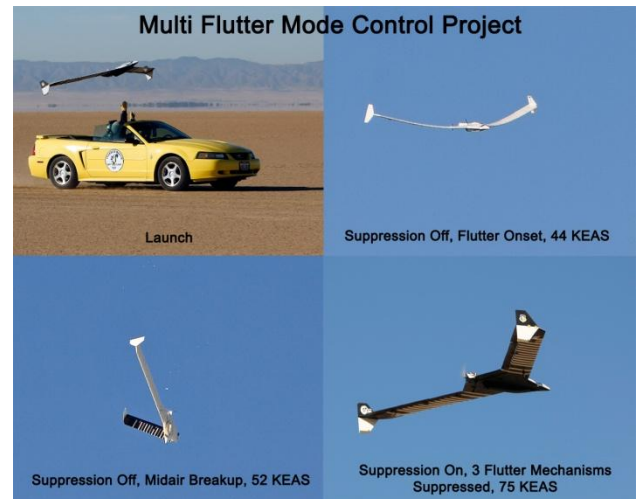
Lockheed Martin Aeronautics
Palmdale, California

Team Members

Christopher Atkinson Edward Burnett Howard Lee
Dr. Brian Holm-Hansen Brian Sibbitt

Accepting the Project Award

Jeff Beranek
Project Leader



X-47B Unmanned Combat Air System (UCAS) First Flight

Northrop Grumman Aerospace Systems
El Segundo, California

Team Members

Gary Boal John Kent Craig Turner

Accepting the Project Award

Philip W. Saunders
Project Leader



Control Room Test Simulator

Pratt & Whitney
East Hartford, Connecticut

Accepting the Project Award

Martin G. Shenkle
Project Leader



LAPC VEX Robotics Teams

***OUTSTANDING ENGINEERING
ACHIEVEMENT MERIT AWARDS***

Bonnie L. Boyce

Pratt & Whitney Rocketdyne
Canoga Park, California

*For outstanding engineering
achievements on the Space
Shuttle Main Engine, RS-68 and
X-33 rocket propulsion
programs*



Philip W. Saunders

Northrop Grumman Aerospace
Systems
El Segundo, California

*In recognition of
groundbreaking work in the
development of flight control
systems for tailless flying wing
aircraft, and in the design,
development and certification of
revolutionary unmanned
aircraft*



William C. Byers

Lockheed Martin
Aeronautics Company
Palmdale, California

*In recognition of expertise in
radio frequency signature
integration and for
advancing the state of the art
in the development and
application of highly
survivable technologies for
manned and unmanned
vehicle systems at Lockheed
Martin Aeronautics*



**Dr. Natarajan D.
Bhaskar**

The Aerospace Corporation
El Segundo, California

*In recognition of the
relentless pursuit of
excellence to deliver a "one
of a kind" space sensor
capability for the Missile
Defense Agency*

Mike J. Carlson

Pratt & Whitney Rocketdyne
Canoga Park, California

*In recognition of dedication and
technical excellence in the area
of Space Shuttle Main Engine
systems and Space Shuttle
launch support, resulting in
significant enhancements
toward the success and safety of
human space flight*



Sami Maalouf

California State University
Northridge
Northridge, California

*For outstanding contributions to
optimization methods for urban
storm water management and
excellence in teaching a wide
range of courses in civil
engineering*



ENGINEERS COUNCIL
AWARD RECIPIENTS

THE VALUE OF HIGH TECHNOLOGY WITH A HUMAN TOUCH.

Congratulations Engineers Council
Award Recipients:

Jack Northrop Spirit of Innovation Award:

Dan Rihn, director, Advanced Programs
and Technologies

Outstanding Engineering Achievement Merit Award:

Philip W. Saunders, director,
Advanced Programs and Technologies

Distinguished Engineering Achievement Award:

Michael Curtin, Technical Fellow,
Electronics & Payloads

Distinguished Engineering Project Achievement Awards:

- Global Hawk Block 40 Flight Test Team
- Global Hawk Block 40 Lab Integration Team
- Global Hawk Command and Control DGPS Team
- Global Hawk Flight Control Actuator Team
- Global Hawk Mission Plan Validation Team
- Global Hawk Block 20 Durability and Damage Tolerance
- Global Hawk Periodic Non-Destructive Inspection
Program Development and Initiation
- Global Hawk 25 KVA Generator Team
- X-47B Unmanned Combat Air System (UCAS) First Flight

THE VALUE OF PERFORMANCE.

NORTHROP GRUMMAN

www.northropgrumman.com

Jack Northrop Spirit of Innovation Award

To
Daniel Rihn
Engineering Director
Northrop Grumman Aerospace Systems
Redondo Beach, California



Daniel Rihn

Presented by
Frank Flores
Vice President of Engineering
Northrop Grumman Aerospace Systems
El Segundo, California

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

The Jack Northrop Spirit of Innovation Award commemorates the vision, perseverance and engineering prowess reminiscent of aviation pioneer Jack Northrop, whose achievements and techniques broke the barriers of traditional aircraft design. The Engineers’ Council bestows this award in honor of the individual technical contributions that inspire innovation and advance the progress of the industry.

Past Recipients

Douglas E. Wood	2006	Charles Tomita	2008	Dr. John M. Papazian (posth.)	2010
Paul Marchisotto (posth.)	2007	Douglas L. Fronius	2009	Clayton K. S. Kau	2011

OUTSTANDING ENGINEERING ACHIEVEMENT MERIT AWARDS

Felicia Li

Pratt & Whitney Rocketdyne
Canoga Park, California

*In recognition of exceptional
work performance supporting the
successful fabrication, anomaly
resolution and flight integration
of the RS-68 engine control
system for the Delta IV launch
vehicle*



Dr. Ronald W. Mehler

California State University
Northridge
Northridge, California

*In recognition of dedication
and excellence as a
researcher, designer,
educator, mentor and
motivator and as a professor
of Electrical and Computer
Engineering*



Luke M. Hartwig

Lockheed Martin Aeronautics
Company
Palmdale, California

*In recognition of technical
excellence and leadership of
the Wing Blade Probability of
Failure evaluation, which has
contributed to Lockheed
Martin's success at
maintaining U-2 fleet flight
worthiness*



David Hicks

Los Angeles Unified School
District
Sun Valley, California

*For outstanding
contributions made for the
encouragement of high
school students in their
pursuit of science,
technology, engineering
and mathematics
knowledge, resulting from
in class and after hours
teaching*

Rick Carter

Pratt & Whitney Rocketdyne
Canoga Park, California

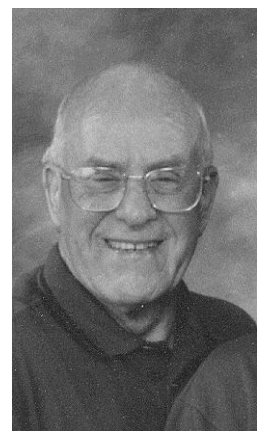
*For advancing the knowledge
and application of Controls and
Diagnostic Systems on aircraft
and rocket engines at Pratt &
Whitney Rocketdyne*



Robert W. Kempel

The Engineer's Office
Lancaster, California

*For seminal work in
establishing the historical
record of the "Race to Mach
1," and for publishing his
results for the record of the
aerospace history*



Keynote Speaker

Bran Ferren

Co-Founder & Chief Creative Officer, Applied Minds



Bran Ferren is Co-Founder and Chief Creative Officer of Applied Minds, which invents and prototypes high technology products and innovative business concepts for the aerospace, defense, intelligence, automotive, architecture, computing, and consumer products sectors. He is former President of Research & Development and Creative Technology for The Walt Disney Company where he was responsible for advanced technology and innovation projects, company wide. He works primarily as lead concept designer, systems engineer, and technologist, and is named inventor on approximately 300 current and pending US patents.

He is an Oscar-nominated film visual effects designer and an award-winning Broadway special effects, lighting, and sound designer. Other conceptual design work includes World's Fairs, theme parks, music tours, buildings, interiors, command centers, special purpose vehicles, and exhibits. Design engineering and technical clients include The Walt Disney Company, Northrop Grumman, Lockheed Martin, General Motors, IBM, Warner Communications, Sony, Herman Miller, and Intel Corporation.

Bran has been a senior advisory board member or consultant for science, advanced technology, and innovation to several U.S. Government and military agencies and the US Senate. Current/recent clients also include the Library of Congress, Smithsonian American Art Museum. His work has been exhibited at the Museum of Modern Art in New York City, and he is a winner of the Wally Russell award for lifetime achievement in Lighting Design, and the Kilby Award for contributions to society.

DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS

Global Hawk Periodic Non-Destructive Inspection Program Development and Initiation

Northrop Grumman Aerospace Systems
San Diego, California

Steve Cole

Team Members
Jim McDaniel

Delmer Williamson

Accepting the Project Award
Paul A. Ackerman
Project Leader



CAMS Mk. II/Ia Simulator

Northrop Grumman Aerospace Systems
San, Diego, California

Sharon Cuff
Mark Nguyen

Team Members
Robert Dix
Paula Peacock
Peter Vanecek

Jim Dowser
Richard Trubey

Tim Wagner

Accepting the Project Award
J. Carlos Galdamez
Project Leader



Non-Flow-Through Fuel Cell Power System

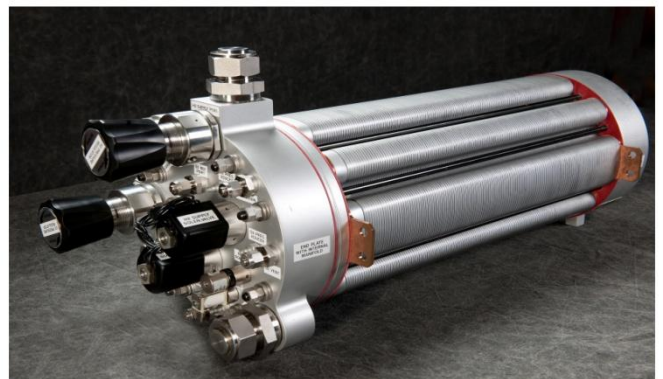
NASA Glenn Research Center
Cleveland, Ohio

Ken Burke
James McElroy

Team Members
Christopher Callahan
Al Meyer

Ian Jakupca
William Smith

Accepting the Project Award
Mark A. Hoberecht
Team Leader



National Aeronautics and Space Administration
John H. Glenn Research Center at Lewis Field

DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS

J-2X Engine Test Team

Pratt & Whitney Rocketdyne
Canoga Park, California

Tom Martin
Jim Tellier

Team Members
Ray Shirr
Danny Woo
Cathy Martinez-Menne

Brian Sproles
Brian Wygle

Accepting the Project Award
Mark A. Emanuel
Project Leader



Global Hawk Mission Plan Validation Team

Northrop Grumman Aerospace Systems
San Diego, California

Chris Hoang

Team Members
John Leavitt

Jesus Medrano

Accepting the Project Award
Christopher Covell
Project Leader



The Engineers' Council

Sherman Oaks, California

Congratulates

**2012 National Engineers'
Week Honorees**

Thank You Engineers Week Participants

Air Force Flight Test Center

Edwards Air Force Base

ASQ San Fernando Valley

The Boeing Company

CSUN College of Engineering & Computer Science

Northrop Grumman Aerospace Systems

Northrop Grumman Navigation Systems Division

General Chuck Yeager Foundation

Hamilton Sundstrand/Pomona

IEEE San Fernando Valley

Jet Propulsion Laboratory/NASA

Lockheed Martin Aeronautics Company Palmdale

Pratt & Whitney Rocketdyne

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 2011, the Engineers' Council contributed to its educational and charitable programs, which included the following:

Scholarships

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

Educational Enrichment

Major Sponsor of LADWP / LAUSD Science Bowl

Sponsor of CSPE MATHCOUNTS competition at CSUN

Sponsor of LA County Science Fair

El Camino Real & Chaminade, and L.A. Pierce College Robotics Teams

VEX Los Angeles Regional Robotics Championship Volunteers

Antelope Valley Super Science Saturday

Engineering Education

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

National Engineers Week Message From Expedition 30



Image above: Pictured on the front row are NASA astronaut Dan Burbank, commander; and Russian cosmonaut Oleg Kononenko, flight engineer. Pictured from the left (back row) are Russian cosmonauts Anton Shkaplerov and Anatoly Ivanishin; along with European Space Agency astronaut Andre Kuipers and NASA astronaut Don Pettit, all flight engineers.

Photo credit: NASA and International Space Station partners

Astronaut Dan Burbank, Commander of Expedition 30

“Hi, my name is Dan Burbank, Commander of Expedition 30 aboard the International Space Station. “I’d like to congratulate all of you on this 61st observance of National Engineers Week. This week, activities run by volunteers from engineering societies and professional organizations all across our nation are stimulating interest among our youth in science, technology, engineering and math. They will one day be the critical contribution to the pool of engineering and scientific talent that our nation needs to meet the future. These activities include science fairs, mentoring, educational outreach, and student design competitions. “In many areas recognition of engineering professionals is occurring at celebrations that highlight their many contributions to making our world a better place. We appreciate what you do every day to keep us safe up here, to keep our families secure at home, to contribute to the economic vitality of our nation, and to make technological progress for the benefit of all people on Earth. “Again, congratulations to you all, and best wishes from the International Space Station.”

**PAST RECIPIENTS
OF THE ENGINEER OF THE YEAR AWARD**



1959 Roy E. Marquardt	1986 Sophia K. Ashley
1960 Richard Bradshaw	1987 Dr. Rodney A. Boudreaux
1961 Milford G. Childers	1988 George J. Hallinan
1962 Paul R. Vogt	1989 Paul H. Lane
1963 George T. Harness	1990 William F. Ezell
1964 Ralph Balent	1991 Edward G. Linhart
1965 Clarence L. Johnson	1992 Sherman N. Mullin
1966 Steven J. Domokos	1993 Robert D. Paster
1967 James A. Broadston	1994 Byron K. Wood
1968 Dr. Arnold M. Levine	1995 Jack S. Gordon
1969 Willis M. Hawkins	1996 Ernest Schaeffer
1970 Ralph A. Lamm	1997 Paul B. Smith
1971 Arthur A. Daush, Jr.	1998 Anthony Joseph Spear
1972 Dr. R.N. Ghose	1999 Robert Goetz
1973 John J. Guarrera	2000 Dr. Michael E. Polites
1974 Elliott H. Green	2001 Dr. Charles Volk
1975 Mathew C. Ek	2002 Maynard L. "Joe" Stangeland
1976 Sam F. Iacobellis	2003 E.R. "Ed" Glasgow
1977 Lon L. Sanders	2004 Norman S. Sakamoto
1978 Norman J. Ryker	2005 Thomas R. Gavin
1979 Donald C. Tillman	2006 John B. Plowden
1980 Dominick J. Sanchini	2007 Thomas W. Blakely
1981 Ben R. Rich	2008 Jeffrey S. Kincaid
1982 Dr. Paul B. MacCready	2009 Frank Flores
1983 Charles G. Fargo	2010 Daniel A. Tazartes
1984 Dr. Malcom Currie	2011 Eric D. Knutson
1985 Phillip V. King	

Engineer of the Year Award And Peter Recchia Omni Award

To
James S. Paulsen
Vice President & Program Manager
Pratt & Whitney Rocketdyne
Canoga Park, California

Presented by
Eric D. Knutson
Director of Advanced
Projects
Lockheed Martin Aeronautics
Company
Palmdale, California



James S. Paulsen

Mr. James S. Paulsen is recognized for his long-term commitment and contributions to Pratt & Whitney Rocketdyne, the aerospace industry, and our nation's space program, and for his leadership of the extraordinarily successful Space Shuttle Main Engine program for Pratt & Whitney Rocketdyne, which lofted the Space Shuttle with 100% mission success for 135 NASA missions to space.

PETER RECCHIA OMNI AWARD

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

The Engineers' Council Board of Directors



President

Kenneth G. Davis

Vice President

Sonja Domazet

Treasurer

Charles H. Volk Ph.D.

Secretary

Stephen Guine

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

Directors-at-Large: *Marek Z. Barylak Ph.D., Stephen Guine, William J. Johnson,
Sharlene Katz Ph.D., Jerry Kraim, Diane G. Kulisek,
Victor M. Moreno Ph.D., Charles Olsefsky, R. Freeman Straub*

OUTSTANDING ENGINEERING ACHIEVEMENT MERIT AWARDS

Brian J. Pechi



Pratt & Whitney Rocketdyne
Canoga Park, California

*For exceptional materials and
processing design and product
support for Pratt & Whitney
Rocketdyne engine programs*

Barbara J. Lee



Lockheed Martin Aeronautics
Company
Palmdale, California

*In recognition of success as the
lead flight test engineer for U-2
Electronic Warfare Testing,
coordinating the work of
numerous team members,
associate contractors and
customers to deliver on
schedule, world class products*

Nathan L. Cook

US Air Force Test Pilot School
Edwards Air Force Base

*In recognition of outstanding
performance as an engineer,
educator, mentor and leader,
ensuring the highest level of
success from graduates of the
US Air Force Test Pilot School*



Humphrey Price

Jet Propulsion Laboratory
Pasadena, California

*For contributions to the Gravity
Recovery and Interior
Laboratory (GRAIL) as the
project systems engineer
responsible for the overall
system design*



Joe K. Eng



Dr. Abhijit Mukherjee

California State University
Northridge
Northridge, California

*For excellence in teaching and
research and advancing the
state of the art in low
temperature fuel cells through
the study of water removal
mechanisms in aphids*



Pratt & Whitney Rocketdyne
Canoga Park, California

*For technical excellence,
leadership, and outstanding
contributions toward the
development of robust
engineering processes and the
advancement of the state of the
art in System Interconnects for
rocket propulsion*

***DISTINGUISHED ENGINEERING
ACHIEVEMENT AND ENGINEERING
EDUCATOR AWARDS***



John P. Hansen

Pratt & Whitney Rocketdyne
West Palm Beach, Florida

In recognition of initiative and leadership in driving forward Pratt & Whitney technical leadership in jet engine and rocket engine propulsion technology and ensuring 100% mission success of the RD-180 engine

Theresa M. Rockey

Northrop Grumman Navigation Systems Division
Woodland Hills, California

For outstanding contributions to the field of navigation including inertial instruments, inertial and inertial/GPS navigation systems and for excellence in customer support leading to enhanced mission capabilities



Riley M. Duren

Jet Propulsion Laboratory
Pasadena, California

For significant contributions to the discipline of systems engineering at the Jet Propulsion Laboratory and for its application to scientific space missions and issues of national and global impact



Dr. Ali Amini

California State University Northridge
Northridge, California

For outstanding contributions as an electrical engineering educator, with inspiring leadership and a commitment to student success as the Electrical and Computer Engineering Department Chair at California State University Northridge

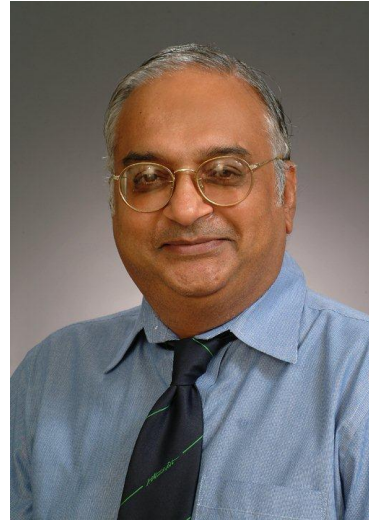


***DISTINGUISHED ENGINEERING
ACHIEVEMENT AND ENGINEERING
EDUCATOR AWARDS***

Dr. Ranga Narayanan

University of Florida
Gainesville, Florida

In recognition of exceptional work directing the nation's largest program for the internationalization of education and research in fluid mechanics and for his consistent dedication to K-12 outreach



James R. Maus

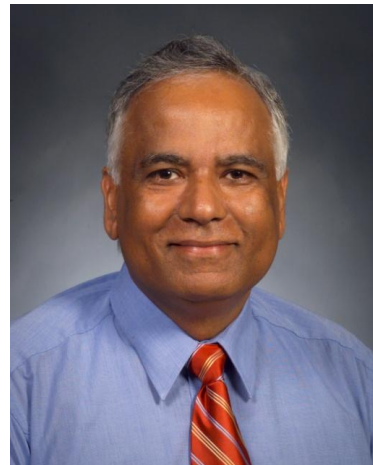
Pratt & Whitney Rocketdyne
West Palm Beach, Florida

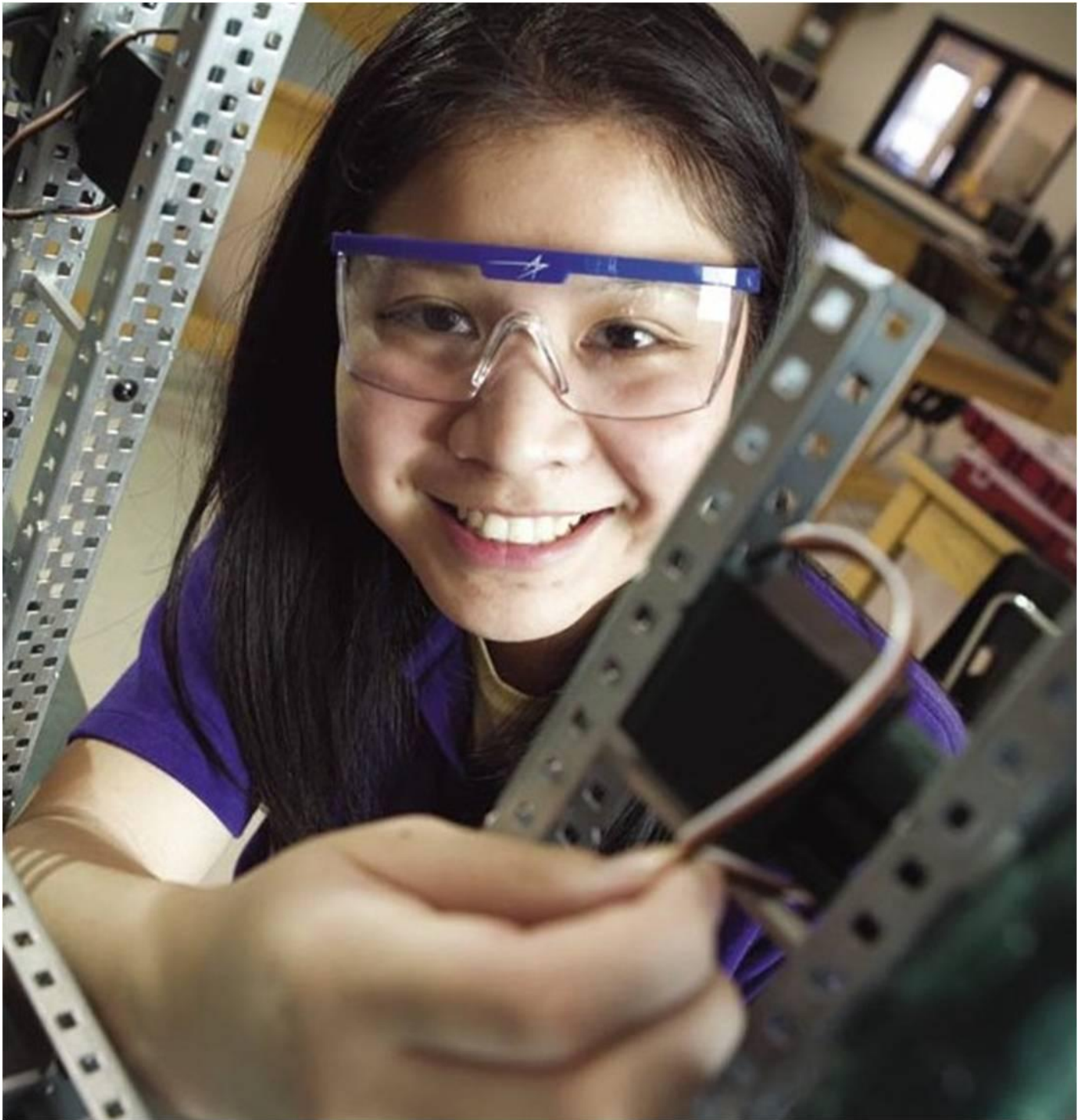
For leadership contributions to the success of Pratt & Whitney Rocketdyne RL10, RS-68, RS-27, RD-180 and hypersonic programs including 100% mission success of 52 Atlas V, Delta II and Delta IV launches

Dr. Mrityunjay Singh

Ohio Aerospace Institute
Cleveland, Ohio

For the pioneering and seminal contributions and global leadership in the field of science, engineering and applications of advanced ceramic and composite materials and technologies





BETWEEN DREAM AND ACHIEVEMENTS,
THERE IS ONE IMPORTANT WORD: HOW

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

lockheedmartin.com/how

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

Clarence L. “Kelly” Johnson
Skunk Works Award

To

James E. "Hoss" Cartwright
Retired

Presented by

Dr. Alton Romig

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



James E. “Hoss” Cartwright

The Kelly Johnson Skunk Works Award was established to honor and to perpetuate Kelly Johnson’s qualities, accomplishments and standards as a model of excellence that coming generations of engineers can aspire to as they pioneer progress into the future. General Cartwright embodies the spirit of innovation and accomplishment that defined Kelly Johnson, and there have been few who truly can be said to have followed his mantra, ‘Be Quick, Be Quiet, And Be On Time.’ Well, perhaps not so quiet, but General Cartwright has been a relentless advocate for many revolutionary advancements in capabilities for the war fighter we see today, and as such, has contributed significantly to our national security, and a safe future for all of us.

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

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

Past Recipients

Clarence L. “Kelly” Johnson (Posth.)	1992	Natalie W. Crawford	1999	Dr. Anthony J. Tether, DARPA	2006
Maj. Gen. James A. Fain, Jr., USAF	1993	Burt Rutan	2000	Richard Heppe, LMAC	2007
Major Gen. Richard Scofield, USAF	1994	Sherman N. Mullin	2001	Gen. Gregory “Speedy” S. Martin (ret.)	2008
Ben R. Rich (Posthumously)	1995	Lt. Gen. Bruce Carlson, USAF	2002	Abraham Kareem	2009
Gen. Joseph W. Ralston, USAF	1996	Lt. Gen. Michael A. Hough, USMC	2003	Thomas J. Cassidy, Jr.	2010
Gen. Howell M. Estes III, USAF	1997	Lt. Gen. Harold W. Blot, USMC (ret.)	2004	Frank J Cappuccio	2011
Lt. Gen. George K. Muellner, USAF	1998	Dain M. Hancock, LMAC	2005		

***DISTINGUISHED ENGINEERING
ACHIEVEMENT AND ENGINEERING
EDUCATOR AWARDS***



Alan M. Sutton

US Air Force Research Laboratory
Edwards Air Force Base, California

In recognition of outstanding leadership of the AFRL Upper Stage Engine Technology (USET) program's successful test campaign of the next generation liquid-hydrogen turbopump at Edwards Air Force Base

Dr. Luis C. Rabelo

University of Central Florida
Orlando, Florida

In recognition of his scientific achievements, his outstanding contribution to student engineering activities, his service as a role model to his students and for being a national leader in modeling and simulation education



Stephen H. James

Pratt & Whitney Rocketdyne
Canoga Park, California

For contributions in the development, advancement, and implementation of non-destructive testing technology applications for new space propulsion and rocket engine systems

Jonathan A. Lincoln

Northrop Grumman Navigation Systems Division
Woodland Hills, California

For distinguished contributions to the development, analysis and design of INS/GPS systems, software, algorithms, and Kalman filters achieving superior performance and enabling new applications



***DISTINGUISHED ENGINEERING
ACHIEVEMENT AND ENGINEERING
EDUCATOR AWARDS***



Michael Curtin

Northrop Grumman Aerospace Systems
Melbourne, Florida

*For consistent achievement in radio frequency
communications design and implementation, mentoring and
community service*

Dr. Ichiro Hashimoto

California State University Northridge
Northridge, California

*In recognition of an exceptional career as an
educator, faculty leader and mentor in electrical and
computer engineering and for his
significant contribution to the development of
the electrical engineering curriculum
at California State University Northridge*



James E. Haynes

Highland High School
Palmdale, California

*In recognition of a dedicated career as a physics instructor
who, while working in collaboration with local industry, has
created, resourced and managed a multidisciplinary
engineering program at Highland High School*



General Chuck Yeager Foundation

P.O. Box 579
Penn Valley, CA 95946



Mission Statement

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

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

www.chuckyeager.com



**San Fernando
Valley Section**
The Global Voice of Quality™

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



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

Congratulations to the 2012 National Engineers Week Honorees.

The 2011-12 ASQ Section 0706 Board,

Ernesto Zepeda, Section Chair

www.asq.org

[ASQ San Fernando Valley Section 706 group](#) | [LinkedIn](#)



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

To

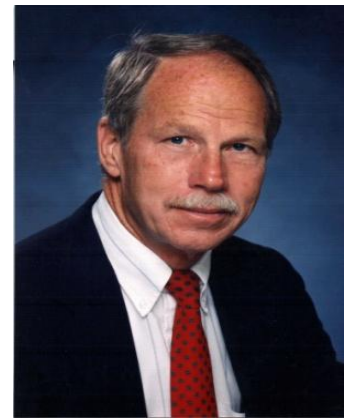
Dr. Robert H. Liebeck

Senior Technical Fellow
The Boeing Company
Huntington Beach, California

Presented by

Colonel Dawn M. Dunlop

412 Test Wing Commander
Edwards Air Force Base, California



Dr. Robert H. Liebeck

"In recognition of your leadership in advanced lifting body design, contributions to the art and science of airfoil design, and advancement of aeronautics through engineering in higher education."

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

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

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

Past Recipients

Brig. General Charles E. "Chuck" Yeager, USAF	1987	Jack Real	1996	Maj. Gen. Doug Pearson, USAF	2004
Maj. Gen. Joe H. Engle, USAF	1988	David L. Ferguson	1997	Roy Martin, NGC	2005
Robert A. "Bob" Hoover	1989	Maj. Gen. Richard L. Engel, USAF	1998	Lt. Col. Dawn M. Dunlop, USAF	2006
Robert R. Sandusky, Jr.	1990	Bruce Hinds	1999	Col. Frank Borman, USAF (ret.)	2007
Joseph T. Gallagher	1993	Jon S. Beesley	2000	Col. David R. Scott, USAF (ret.)	2009
Edward C. "Pete" Aldridge, Jr.	1994	Lt. Gen. Thomas J. Keck, USAF	2001	Sean D. Tucker	2010
Franklin Chang Diaz	1995	Gen. John P. Jumper, USAF	2002	Charles F. Brink	2011
		Col. Russell E. Schlee, USAF (ret)	2003		

DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS

Aquarius Project

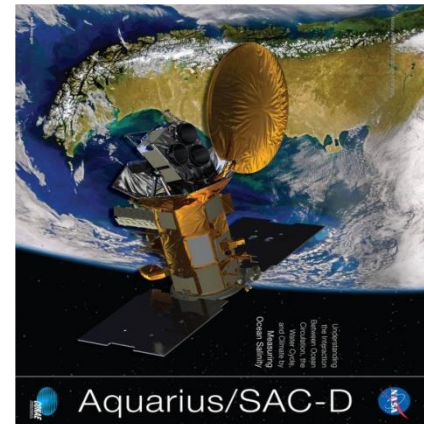
Jet Propulsion Laboratory
Pasadena, California

Team Members

Dr. Dankai Liu	Dalia A. McWatters
Dr. Jeffrey R. Piepmeier	Dr. Yuhshyen Shen
Dr. Simon A. Collins	Dr. Michael W. Spencer
Dr. Simon H. Yueh	Fernando A. Peilerano

Accepting the Project Award

Amit Sen
Project Leader



Global Hawk Block 40 Flight Test Team

Northrop Grumman Aerospace Systems
San Diego, California

Team Members

Jim Anderson	Joe Lee	Tom Wayne
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Accepting the Project Award

Dan R. Gerdes
Project Leader



N+2 Low Boom Supersonics Validation Team

Lockheed Martin Aeronautics
Palmdale, California

Team Members

Mike Buonanno	Sonny Chai	Bob Langberg
Victor Lyman	John Morgenstern	Frank Marconi
David Pehrson	Marc Stelmack	

Accepting the Project Award

Nicole Norstrud
Project Leader



DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS

LN-270 Static Heading Accuracy Improvement

Northrop Grumman Navigation Systems Division
Woodland Hills, California

Team Members
Reza Ahmadi Tony Kwok Yueh-Chung Lai
Yumi Yoshida Linn Zien

Accepting the Project Award
Karen E. Olin
Project Leader



Global Hawk Block 20 Durability and Damage Tolerance Analysis

Northrop Grumman Aerospace Systems
San Diego, California

Team Members
Reza Karkehabadi Robert Ma Nevin Swearengin

Accepting the Project Award
Paul A. Ackerman
Project Leader

Super Science Saturday High School Student Leaders



Conducting STEM Activity Booths at SSS

OUTSTANDING ENGINEERING ACHIEVEMENT MERIT AWARDS

Steven P. Ravenscroft

Lockheed Martin Aeronautics
Company
Palmdale, California

*For exceptional leadership,
design expertise and tireless
efforts resulting in outstanding
contributions toward the
engineering design of advanced
survivability systems for military
air vehicles*



Floyd E. Shelby

Pratt & Whitney Rocketdyne
Canoga Park, California

*For leading, developing and
providing the expertise, people,
processes, and tools in ensuring
the quality, consistency, and
cost effectiveness of world class
electronics designs, control
subsystems and automated test
support equipment for Pratt &
Whitney Rocketdyne programs*



Dr. Marc D. Rayman

Jet Propulsion Laboratory
Pasadena, California

*For exceptional contributions,
leading to major new scientific
discoveries, as the mission
director of the Dawn Mission,
the first to orbit the body Vesta
in the main asteroid belt*



Dr. Ani Nahapetian

California State University
Northridge
Northridge, California

*For excellence in teaching and
outstanding research
contributions in the areas of
hardware security, wireless
health systems and algorithms
for reconfigurable computing*



Warren D. Williamson

Lockheed Martin Aeronautics
Company
Palmdale, California

*For outstanding technical
accomplishments in evaluation
and analysis, across multiple
engineering disciplines, which
enabled the continuation of
mission critical electronic
systems for the U-2 aircraft fleet*

The 57th Honors and Awards Banquet

California State University
Northridge

CONGRATULATIONS TO THE 2012 HONOREES!



COLLEGE OF ENGINEERING & COMPUTER SCIENCE

John J. Guarrera Engineering Educator of the Year Award

S. K. Ramesh

Distinguished Engineering Educator Award

Ali Amini

Ichiro Hashimoto

Outstanding Engineering Achievement Merit Award

Sami Maalouf

Ronald W. Mehler

Abhijit Mukherjee

Ani Nahapetian

George Youssef

The Engineers' Council Technical Conference
Friday April 20th 2012
8am -5pm

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

Communications

When we focus **FIRST** on the customer,
ALL else follows.

Contact Sonja Domazet at
Sonja.Domazet@engineerscouncil.org

John J. Guarrera
Engineering Educator of the Year Award

To

Dr. S. K. Ramesh

Dean

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

Presented by

Dr. Sharlene Katz

Professor

Department of Electrical and Computer Engineering
California State University
Northridge, California



Dr. S. K. Ramesh

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

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

In honor of The Engineers' Council founding member, this award bestowed upon the top educator was renamed in 2007 the "John J. Guarrera Engineering Educator of the Year Award."

Dr. Alfonso F. Ratcliffe	1982	Dr. John W. Adams	1994	Dr. Mihri Ozkan	2006
Dr. Robert Y. Wong	1983	Dr. Sembian R. Rengarajan	1995	Dr. Diane Schwartz	2007
Dr. Edmond S. Gillespie	1984	Dr. Roger Di Julio	1996	Dr. Behzad Bavarian	2008
Dr. Thelma Estrin	1985	Dr. Martin S. Roden	1997	Dr. Chi-Tsen Lin	2009
Dr. Gregg W. Dixon	1986	Dr. Ramin Roosta	1998	Dr. Hamid Johari	2010
Dr. Michael A. Melkanoff, P.E.	1987	Dr. Helen A. Ryaciotaki-Boussalis	2000	Dr. Melvin A. Breuer	2011
Dr. Diane Schwartz	1988	Dr. Sharlene Katz	2001		
Dr. Larry Lichten	1989	Dr. Stewart Prince	2002		
Dr. B. J. Shell	1991	Dr. Nagwa Bekir	2003		
Dr. Mihran S. Agbabian	1992	Tarek A. Shraibati	2004		
Dr. Michael Hassul	1993	Dr. Robert G. Ryan	2005		

OUTSTANDING ENGINEERING ACHIEVEMENT MERIT AWARDS

Wayne Tuttle

Hamilton Sundstrand
Long Beach, California

For outstanding dedication, technical excellence and contribution to welding technology, successfully developing a laser-based long seam weld system with no thermal distortion in support of the commercialization of space



Daniel J. Ruhkala

Pratt & Whitney
Rocketdyne
Canoga Park, California

For critical leadership and technical contributions which have permitted first-time through development and production attitude control propulsion systems



David M. Durham

Jet Propulsion Laboratory
Pasadena, California

For the outstanding leadership of the Project Systems Engineering Team which contributed to the successful launch and operation of the Aquarius mission, currently measuring sea surface salinity



Dr. George Youssef

California State University
Northridge
Northridge, California

For outstanding teaching and mentoring of students and contributions to advanced materials research to better understand the dynamic properties of Polyurea elastomer

Nana K. Danquah

Pratt & Whitney
Rocketdyne
Canoga Park, California

In recognition for dedication and a commitment to excellence in support of Pratt & Whitney Rocketdyne engine systems design work for the Space Shuttle Main Engine, RS-68 and J-2X programs



Chris T. Rodela

Lockheed Martin
Aeronautics Company
Palmdale, California

In recognition of outstanding performance in evaluation and analysis, across multiple engineering disciplines, which enabled the continuation of mission critical electronic systems for the U-2 aircraft fleet



The 57th Honors and Awards Banquet



American Institute of Aeronautics and Astronautics



AIAA, ASME and The Engineers' Council

National Engineers Week Banquet

Saturday, 10 March 2012 @ 5:30 PM

Hilton Garden Inn Palm Beach Gardens, Palm Beach, Florida

Featured Speaker:

Robert D. Cabana

Director of Kennedy Space Flight Center, Florida

This event is being sponsored by the local Palm Beach Sections of the American Institute of Aeronautics and Astronautics and American Society of Mechanical Engineers in collaboration with The Engineers' Council and with major support of Pratt & Whitney Rocketdyne.

The Engineers' Council and AIAA/ASME service awards will be presented following the Featured Speaker presentation.

Pratt & Whitney Rocketdyne
congratulates the
2012 National Engineers Week
Honorees



Pratt & Whitney Rocketdyne

www.PrattWhitneyRocketdyne.com

Robert H. Goddard Space Propulsion Pioneer Award

To

James G. Maser

President

Pratt & Whitney Rocketdyne
Canoga Park, California

Presented by

Byron K. Wood

President (retired)

Pratt & Whitney Rocketdyne
Canoga Park, California



James G. Maser

For 27 years of aerospace system design, structural engineering, and development leadership of the world's premier launch, defense, and energy systems which have sustained our U.S. space industrial base, protected our national security, and retained our position as the world leader in human space flight and space exploration

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

Past recipients

Byron K. Wood, 2007 Maynard "Joe" Stangeland, 2008 Paul F. Seitz, 2009 John B. Plowden 2011

DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS

Global Hawk Block 40 Lab Integration Team

Northrop Grumman Aerospace Systems
San Diego, California

Team Members
Yue Chiong Steve Jacobson Mike Walter

Accepting the Project Award
Scott H. Peckham
Project Leader

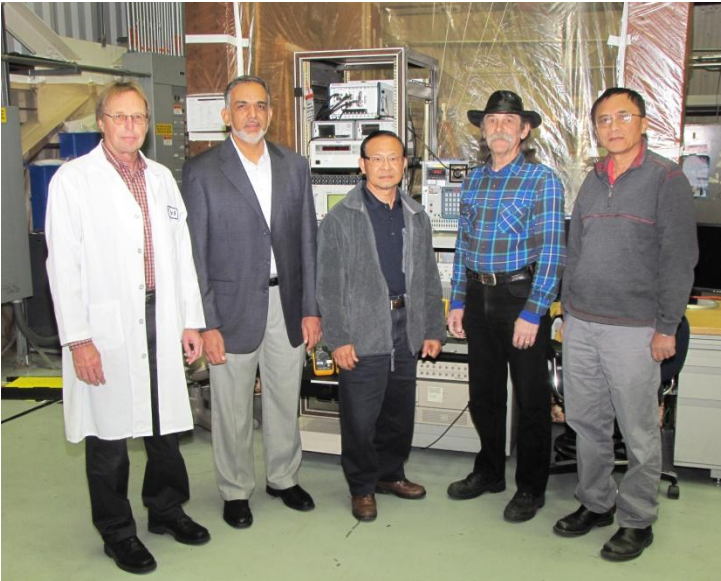


Boeing Huntington Beach Lab Test Team

The Boeing Company
Huntington Beach, California

Team Members
Cindy Belliveau Tony Buono C. C. Lee
Ali Mandvi Chhour Thong Alan Watts

Accepting the Project Award
J. Pat Rogers
Project Leader

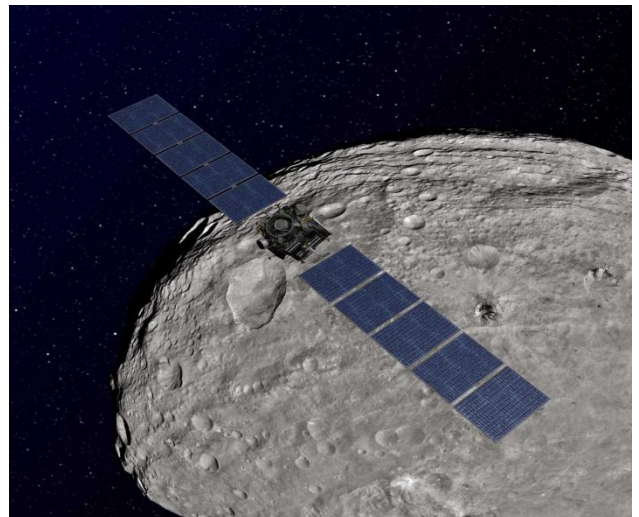


Dawn Flight Team

Jet Propulsion Laboratory
Pasadena, California

Team Members
Dr. Carol A. Raymond Dr. Marc D. Rayman
Dr. Christopher T. Russell

Accepting the Project Award
Robert A. Mase
Project Leader



DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS

PWR Thruster Test Team

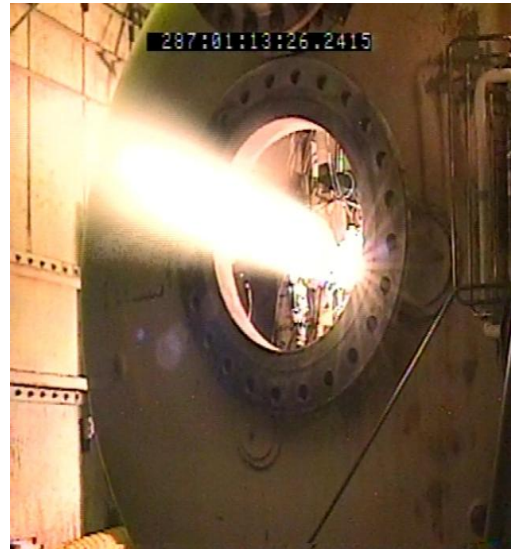
Pratt & Whitney Rocketdyne
Canoga Park, California

Team Members

Larry Coady	Hadi Darejeh	Charles Heinrich
James McKinnon	Sarah Sheviakov	Eric Stangeland
Kenneth Slusser	Daniel Trygstad	Thomas Walczuk
	Jody Wali	

Accepting the Project Award

Jennifer L. Ebert
Project Leader



Global Hawk Command and Control DGPS Team

Northrop Grumman Aerospace Systems
San Diego, California

Team Members

Kris Chopper	John Leung	John Roths
--------------	------------	------------

Accepting the Project Award

Fred W. Strack
Project Leader

MATHCOUNTS 2012

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 21st year for the NSPE MATHCOUNTS PROGRAM.

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

THE ENGINEERS' COUNCIL, SHERMAN OAKS, CALIFORNIA RECOGNIZES AND CONGRATULATES THE AWARD WINNERS OF THE 2012 COMPETITION

EAGLE ENGINEERING

"We build for a better tomorrow."



2011 Awards

- Los Angeles Regional VEX Excellence Award
- FIRST Judges Award – Manchester New Hampshire Regional
- VEX Tournament Finalist
- FIRST Los Angeles Regional Chairman's Award
- Finalist – World Championship Robotics Essay Challenge
- VEX World Championship Divisional Excellence Award
- VEX EMC Las Vegas Tournament Champion Award

2012 Corporate Sponsors

- Pratt & Whitney Rocketdyne
- Raytheon
- PTC
- Tyco Electronics
- Lowery Digital
- Jostens

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

William B. Johnson International Inter-Professional Founders Award

To
Randell E. Surch
Director
The Boeing Company
Huntington Beach, California



Randell E. Surch

Presented by
William J. Johnson
Director-at-large
The Engineers' Council
Sherman Oaks, California

In recognition of Randy's courageous leadership, excellent technical ability, outstanding business acumen and exemplary customer focus. Randy's passion and his efforts have significantly contributed to program success while preparing the Test community for a strong future.

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 Engineers' Council to perpetuate the image and memories of Bill – his leadership, methods, fortitude, standards, efforts and achievements with compassion for others while focusing on bettering the engineering community. Selection of recipients for this award reflects his image.

Past recipients

William B. Johnson	1982	Jack L. Ferrell	1996	Jeffrey S. Kincaid	2004
George J. Hallinan	1990	Byron K. Wood	1997	Capt. George T. Mellen II, USAF	2005
John J. Guarrera	1991	Jim Albaugh	1998	Robert B. Tarn	2006
Lloyd W. Higginbotham	1992	Sherman N. Mullin	1999	Richard C. Peters	2007
Roland V. Roggero	1993	James S. Paulsen	2000	Dr. Sharlene Katz	2008
Norman Shaffier	1994	Maynard "Joe" Stangeland	2001	Dr. S. K. Ramesh	2009
Alan R. "Al" Bjorklund	1995	John B. Plowden	2003	Charles Olsefsky	2011

DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS

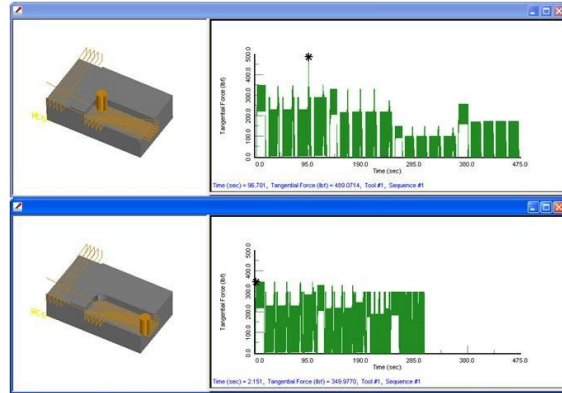
Machining Modeling

Pratt & Whitney
East Hartford, Connecticut

Team Members

Donald B. Caldwell, Jr. Edward Marchitto John P. Rizzo, Jr.
Walter F. Serafin Mark A. Wise

Accepting the Project Award
Krzysztof Barnat
Project Leader



Global Hawk Flight Control Actuator Team

Northrop Grumman Aerospace Systems
San Diego, California

Team Members

Grace Bohn Gio Giglio Keith Sinclair

Accepting the Project Award
Don Casinger
Project Leader



Space Shuttle Main Engine Flight Support Team

Pratt & Whitney Rocketdyne
Canoga Park, California

Team Members

Michael Adams Sonia Balcer Neal Bloom
William "Mitch" Brown Mike Carlson Helen Lewin
Elizabeth Chilcoat Al Daumann Jr John Flanagan
Arthur Hill Scott Kittinger Scott Ward
Hsou-Tao Yu Richard Dean Patmor
Marguerite Morgan-Cargo Joost Ouwersloot

Accepting the Project Award
Kenneth C. Kan
Project Leader



DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS

The Skunk's Den

Lockheed Martin Aeronautics
Palmdale, California

Team Members

Dave Allen	Elena Andrade	Dave Bartos
Wayne Begnaud	Melissa Dalton	Joel Derrick
Jorge Gudino	Jared Knutzon	Bryan Walter
Bob Neimeyer	Maggie Macfarlane	

Accepting the Project Award
Marc E. O'Brien
Project Leader



NG NSD Process CMMI Level 3 Recertification

Northrop Grumman Navigation Systems Division
Woodland Hills, California

Team Members

Rita Abraham	Dennis Creed	Patricia Dousette
Minh Du	Aiko Hayashida	Amanda Cueto-Moll

Accepting the Project Award
Misak Zetilyan
Project Leader



OUTSTANDING ENGINEERING ACHIEVEMENT MERIT AWARDS



Scott C. Connell

Pratt & Whitney
Rocketdyne
Thousand Oaks, California

*For dedication and leadership
of the J-2X Systems
Development Team and
achieving the first test of the
J-2X rocket engine*



Robert C. Griffith

Northrop Grumman
Navigation Systems
Division
Woodland Hills,
California

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

Corry S. Johnson

Pratt & Whitney
Rocketdyne
Jupiter, Florida

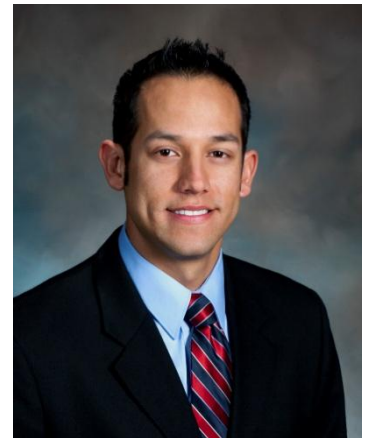
*For leadership and execution in
the design and demonstration of
a robust and high performing
combustor for dual mode
ramjets*



Stephen M. Waldo

Lockheed Martin
Aeronautics Company
Palmdale, California

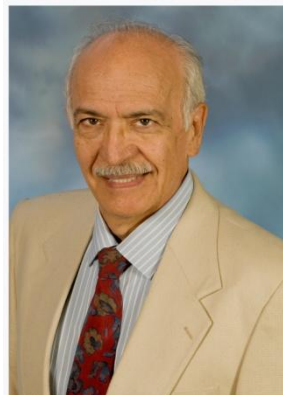
*In recognition of excellence as
lead flight test engineer for U-2
post depot maintenance,
working with numerous
teammates, associate
contractors and customers, to
deliver world class products on
or ahead of schedule*



Ron Urquidi

Pratt & Whitney
Rocketdyne
Canoga Park, California

*For technical excellence,
exceptional leadership and
contributions toward the
development and advancement
of System Interconnects for
large rockets from the F-1 to
the J-2X*



Special Thanks To:



- ~ California State University Northridge for hosting Awards Assembly Committee.



LOCKHEED MARTIN



- ~ Lockheed Martin Aeronautics Company Skunk Works for assistance with the cost of audio/video and the graphic development of the Souvenir Program.

NORTHROP GRUMMAN

- ~ Northrop Grumman Aerospace Systems for the cost for a professional photographer.



Pratt & Whitney

A United Technologies Company

Pratt & Whitney Rocketdyne

- ~ Pratt & Whitney Rocketdyne for printing of the Souvenir Program and award certificate artwork and printing.

The Engineers' Council



**Sheraton Universal
Universal City, California**

Souvenir Program