



The World's Forum for Aerospace Leadership

Palm Beach Sections of the
American Institute of Aeronautics and Astronautics
and
American Society of Mechanical Engineers

Present

3rd Annual Honors and Awards Banquet

In Celebration of National Engineers Week

In West Palm Beach, Florida

February 17-23, 2013

Engineers

Learn from the Past

Live in the Present

Lead into the Future



In cooperation with
The Engineers' Council

“Celebrate Awesome”



Saturday, March 2, 2013
Hilton Garden Inn
Palm Beach Gardens, Florida



History of National Engineers Week

National Engineers Week, a national week of recognition of the engineering profession, has been celebrated since 1951. Originally, the week of President George Washington's birthday (February 22) was designated National Engineers Week, in honor of President Washington, who was a land surveyer and is considered to be our nation's first most prominent engineer.

Engineering Professional Societies across the nation celebrate National Engineers Week by conducting recognition events, educational outreach and mentoring events, and facility tours in order to help stimulate interest in science, technology, engineering and mathematics careers.

In 2011, through a joint effort of the Palm Beach Sections of the AIAA and ASME, and with the cooperation and assistance of The Engineers' Council, this annual National Engineers Week Honors & Awards Banquet began. At this event, AIAA awards will be presented, along with awards bestowed by The Engineers' Council on worthy engineers and scientists to honor them for their professional accomplishments and contributions to society through the art and science of engineering.

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 this Banquet will help fund scholarship, high school mentoring, and middle-school math and science educational enrichment programs conducted throughout the year.

National Engineers Week Committees

~ BANQUET COMMITTEE ~

Russell Joyner, Dana McDavid, Michael Popp, Robert Tarn

~ AWARD ASSEMBLY ~

Kenneth Davis, Sonja Domazet, James Flynn, William Johnson,
Sharlene Katz, Charles Olsefsky, Eli Stiny, Charles Volk

~ AWARD PRESENTERS ~

Michael Popp, Robert Tarn

~ AWARDS & SOUVENIR PROGRAM GRAPHICS ~

Michael Matte



Honors & Awards Banquet

Saturday, March 2, 2013



Social Hour – 5:30 p. m.

Welcome & Introductions – 7:00 p. m.

Michael Popp

Chairman - AIAA Palm Beach Section

Dinner

Guest Speaker – 7:30 p. m.

Bruce G. McKay

Principal Systems Engineer

Lockheed Martin Aeronautics

Presentation of Awards

AIAA Service Awards

Michael Popp

Engineers' Council Awards

Robert B. Tarn

Trustee, The Engineers' Council

Closing



National Engineers Week Message From the International Space Station



Pictured on the front row are NASA astronaut Kevin Ford (left), commander; and Canadian Space Agency astronaut Chris Hadfield, flight engineer. Pictured from the left (back row) are Russian cosmonauts Oleg Novitskiy, Evgeny Tarelkin, Roman Romanenko and NASA astronaut Tom Marshburn, all flight engineers. Photo credit: NASA

Astronaut Kevin Ford, Expedition 34 Commander

Greetings from the International Space Station. I'm Kevin Ford, Commander of Expedition 34. Congratulations on this 62nd observance of National Engineers Week. This week, activities by volunteers from engineering societies and professional organizations are stimulating interest in math and science among our youth who will one day be the engineering and scientific talent that our nation needs to succeed in the future. All across the nation there will be science fairs, mentoring, educational outreach, and student design competitions. Recognition of engineering professionals is also occurring at celebrations that highlight their many, many contributions to making Earth an even 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 continued technological progress for the benefit of all.

Have a great week on our beautiful planet Earth.



“Aviation the Next 100 Years”

Keynote Speaker

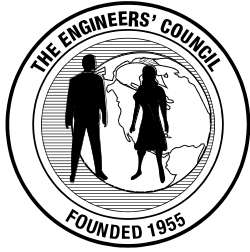
Bruce G. McKay
Principal Systems Engineer
Lockheed Martin Aeronautics



Bruce currently is Principal Systems Engineer at Lockheed Martin Aeronautics, Marietta, Georgia.

He has 33 years of aircraft design and integration experience across three major aerospace companies and has held numerous design lead positions supporting several aircraft and engine programs. Currently supporting the C-5M program, he has recently supported the Advanced Mobility Aircraft System Design team and was the Chief Engineer on the NASA ERA project at the Skunk Works. He has held numerous design lead positions supporting several aircraft and engine programs such as the VH-71, C-5M, P-3, C-130J, GE-90, MD-90, C-17, and DC-10.

He holds an MBA from the University of Cincinnati, a BSAE from Northrop University and a Diploma of Aerospace Technology from Ryerson University.



The Engineers' Council *Congratulates*

2013 NATIONAL ENGINEERS
WEEK HONOREES

Thank You Engineers Week Participants



Pratt & Whitney
A United Technologies Company

Pratt & Whitney Rocketdyne, Inc.

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 2012, the local AIAA & ASME sections contributed to educational and charitable programs, which included the following:

Educational Outreach

Local Palm Beach Sections members Russell Joyner, George Prueger and Robert Crippen have provided their expertise and time in promoting Space Propulsion and Rocketry and other elements of STEM at Palm Beach State College and several schools in the Palm Beach County School District

Mentoring

- FIRST Robotics team competing at the FRC Orlando Regional March 7-9, and the South Florida Regional, March 28-30
 - Team 180 S.P.A.M.
 - Team 179 Children of the Swamp
 - Team 179 Swamp Thing
 - Team 1523 M.A.R.S.

Continuing Education

- Professional development courses offered for local engineers to earn PDH credits
- Palm Beach Section Executive Committee leadership training



AIAA Sustained Member Service Awards

25 Years:

Mr. Richard B. Caime
West Palm Beach, Florida

Mr. Thomas F. Donohue
Palm Beach Gardens, Florida

Mr. John J. Erhart
North Palm Beach, Florida

Dr. Michael Popp
Jupiter, Florida

Mr. Bruce E. Trembly
Palm City, Florida

40 Years:

Dr. Paul M. Bevilaqua
Pinecrest, Florida

Pratt & Whitney Rocketdyne
congratulates the
2013 National Engineers Week
Honorees



Pratt & Whitney Rocketdyne

www.PrattWhitneyRocketdyne.com



DISTINGUISHED ACHIEVEMENT AWARDS

DISTINGUISHED ENGINEERING ACHIEVEMENT

Danny E. Guisinger

*Pratt & Whitney Rocketdyne
West Palm Beach, Florida*



In recognition of a lifetime of achievement and leadership spanning turbojet engines, the NASA Space Shuttle Program, and launch vehicle engine development and test

DISTINGUISHED ENGINEERING ACHIEVEMENT

Daniel R. Hausman

*Pratt & Whitney Rocketdyne
Kennedy Space Center*



In recognition of a distinguished career in liquid space propulsion engineering, and leadership of the Space Shuttle Main Engine launch and launch site operations

DISTINGUISHED STEM EDUCATOR AWARD

Grace K. Johnson

*NASA Kennedy Space Center
Cape Canaveral, Florida*



For exceptional leadership and growth of the high school CubeSat Program and the Shuttle Transportation System case studies

DISTINGUISHED ENGINEERING ACHIEVEMENT

Daniel R. Mulvihill

*Pratt & Whitney Rocketdyne
West Palm Beach, Florida*



For a distinguished career of systems engineering and leadership, including numerous contributions to the successes of the United States Air Force Advanced Tactical Fighter and liquid propulsion engines for space launch



OUTSTANDING ENGINEERING ACHIEVEMENT MERIT AWARDS

Jeppie R. Compton

*NASA Kennedy Space Center
Cape Canaveral, Florida*



*In recognition of outstanding service as a
passionate and motivational educator and mentor
in the fields of science, technology, engineering
and mathematics*

Reed A. Kakuska

*Pratt & Whitney Rocketdyne
West Palm Beach, Florida*



*For exceptional leadership of the RL10C-1
development and qualification programs*

Kenneth D. Olson

*Pratt & Whitney Rocketdyne
West Palm Beach, Florida*



*For advancing the engineering knowledge and capabilities in
hypersonic propulsion systems*



OUTSTANDING ENGINEERING ACHIEVEMENT MERIT AWARDS

Ronald W. Roberts
*Pratt & Whitney Rocketdyne
Stennis, Mississippi*



*In recognition of outstanding engineering merit in
the design and implementation of the fully
modernized Stand B-1 Test control system for
RS-68 testing*

Daniel S. Romero
*Pratt & Whitney Rocketdyne
West Palm Beach, Florida*



*In recognition of outstanding management of test
engineering, data acquisition and control, and
process safety for rocket engine test facilities*

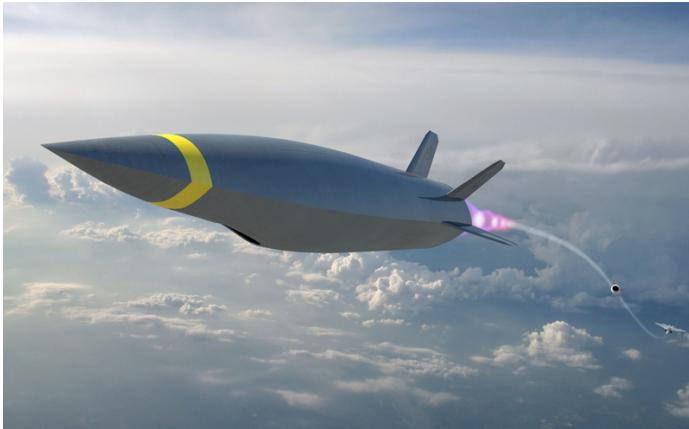
Recognizing the following technical societies:

- American Ceramic Society
- American Institute of Aeronautics and Astronautics
- American Institute of Chemical Engineers
- American Institute of Mining, Metallurgical and Petroleum Engineers
- American Nuclear Society
- American Society of Civil Engineers
- American Society for Engineering Education
- American Society of Gas Engineers
- American Society of Mechanical Engineers
- American Society for Quality
- American Society of Safety Engineers
- ASM International
- Association for the Advancement of Cost Engineering
- Association for Computing Machinery
- Association of Energy Engineers
- California Society for Healthcare Engineering
- California Society of Professional Engineers
- Computer and Automated Systems Association of SME
- Human Factors and Ergonomics Society
- Illuminating Engineering Society
- Institute of Electrical and Electronics Engineers
- Institute of Environmental Sciences and Technology
- Institute of Industrial Engineers
- Institute of Packaging Professionals
- Institute of Packaging Professionals
- Institute of Transportation Engineers
- Instrumentation, Systems, and Automation Society
- International Council on Systems Engineering
- Laser Institute of America
- Los Angeles Council of Black Professional Engineers
- NACE International
- National Society of Black Engineers
- Professional Engineers in California Government
- Project Management Institute
- SAVE International
- Society for Technical Communication
- Society of Allied Weight Engineers
- Society of American Military Engineers
- Society of Automotive Engineers
- Society of Fire Protection Engineers
- Society of Flight Test Engineers
- Society of Hispanic Professional Engineers
- Society of Manufacturing Engineers
- Society of Mexican American Engineers and Scientists
- Society of Women Engineers
- Standards Engineering Society
- Structural Engineers Association of Southern California
- Tau Beta Pi



DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS

Affordable Ramjet *Pratt & Whitney Rocketdyne West Palm Beach, Florida*



The Affordable Ramjet Demonstrator Team developed a new design approach to dramatically reduce the cost of hypersonic systems, then successfully verified it in ground testing

Team Members:

James M. Donohue Costante Salvador

Corry S. Johnson Mark A. Sillence

Lee A. Ryberg

Accepting the Project Award

Calvan G. DeFreese

Project Leader

B-1 Test Stand Facility Controls Modernization Project *Pratt & Whitney Rocketdyne Stennis, Mississippi*



For outstanding engineering excellence that resulted in the highly successful design and implementation of the modernized Test Stand B-1 Control System for RS-68 testing

Accepting the Project Award

Ronald W. Roberts

Project Leader



DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS

RL10C-1 Test Anomaly Resolution

*Pratt & Whitney Rocketdyne
West Palm Beach, Florida*



The RL10C-1 Test Anomaly Resolution Team is recognized for outstanding Teamwork leading to the successful resolution of test anomalies that occurred during the XR711 and XR712 Test Program

Team Members:

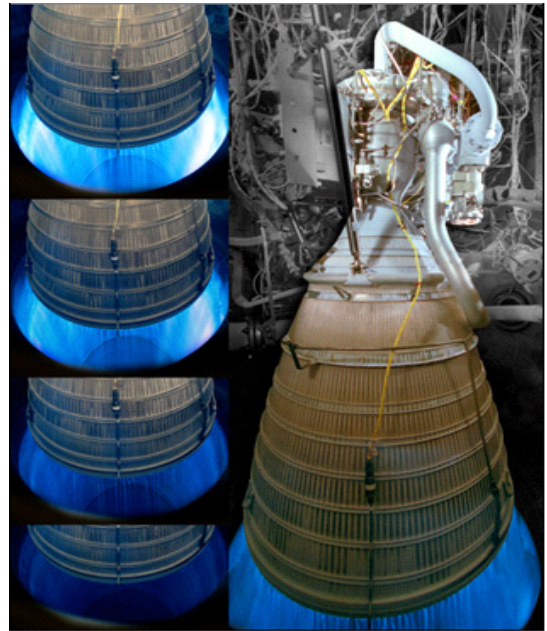
Maurice O. Cabrera	David A. Guin
Richard F. Hammond	Jon Henderson
Adam R. Lecket	James W. Nord
Michael E. Russ	Stuart A. Sanders
Steven G. Wood	

Accepting the Project Award

Reed A. Kakuska
Project Leader

RL10C-1 Test

*Pratt & Whitney Rocketdyne
West Palm Beach, Florida*



The RL10C-1 Test Team is recognized for their outstanding dedication, attention to detail, and teamwork which resulted in the successful completion of Development and Qualification Testing on XR711 and XR712

Team Members:

Scott A. Bonner	Stephen R. Herndon
W. Mitchell Brown	Craig W. Irwin
Matthew Bullivant	Brian Lager
Pedro W. Fong	Ricky A. Schied

Accepting the Project Award

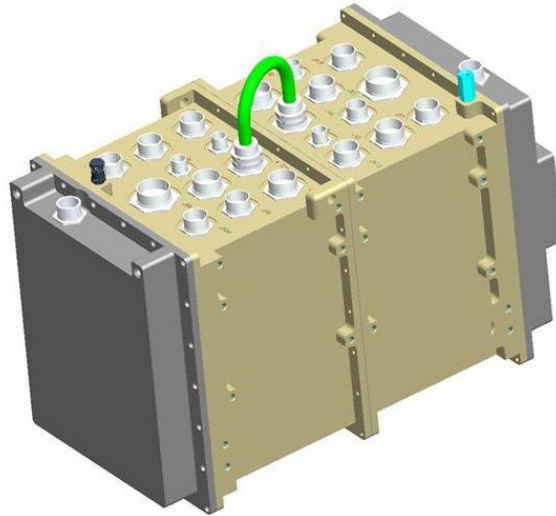
Thomas W. Paulus
Project Leader



DISTINGUISHED ENGINEERING PROJECT ACHIEVEMENT AWARDS

RS-25 Common Controller

*Pratt & Whitney Rocketdyne
Canoga Park, California*



*In recognition of the RS-25 Engine Control teams
efforts towards the development of a common engine
controller for use on the SLS Program*

Team Members:

Holly D. Odum Ryan **Brian L. Saunders**

Daniel S. Romero **Randall J. Zelik**

Accepting the Project Award

Jeffrey J. Klop

Project Leader



Notes:

Special Thanks To:

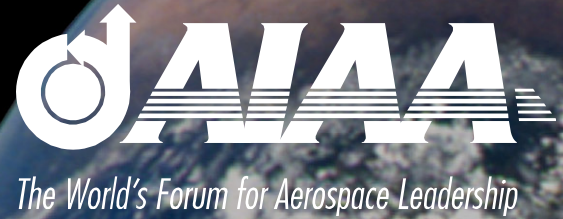
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artwork and printing ~*



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2013 Souvenir Program