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 surveyor 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

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

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
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

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

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

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 for 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 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  
Richard F. Hammond  
Adam R. Lecket  
Michael E. Russ  
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  
W. Mitchell Brown  
Matthew Bullivant  
Pedro W. Fong

Stephen R. Herndon  
Craig W. Irwin  
Brian Lager  
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:

~ Pratt & Whitney Rocketdyne for Award and Souvenir program artwork and printing ~
2013 Souvenir Program