

2016

National Engineer's Week Honors & Awards Banquet

Friday, February 19, 2016

Business
Development
Board



Palm Beach County's
Economic Development Resource



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Agenda

Opening Remarks

Corey Saban

CS Media Works/TheLaw.TV, LLC
Tonight's Emcee

Kelly Smallridge

President & CEO
Business Development Board

Presenting Sponsor

James Maus

Executive Director
Aerojet Rocketdyne

Presentation of Awards

Dinner

Keynote Speaker

Dr. L. Dale Thomas

NASA Retired/Univ. Alabama-Huntsville

Special Recognition - AIAA

Presentation of Awards

Adjourn

Thank you for joining us tonight!



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Aerojet Rocketdyne

Congratulates the
2016 National Engineers Week
Honorees



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Keynote Speaker



Speaker: Dr. L. Dale Thomas
NASA Retired
Univ. Alabama-Huntsville

Topic: “Additive Manufacturing (3-D Printing) and Model Based Systems Engineering, What They Mean to the Future of Aerospace.”

Dr. Thomas is the Eminent Scholar and a professor in Systems Engineering of the Industrial and Systems Engineering and Engineering Management Department at UAH. Dr. Thomas earned his B.S. in Industrial and Systems Engineering from the University of Alabama in Huntsville in 1981, his M.S. in Industrial Engineering from North Carolina State University in 1983, and his Ph.D. in Systems Engineering from The University of Alabama in Huntsville in 1988. Previously, Dale served as the Associate Center Director (Technical) for the National Aeronautics and Space Administration (NASA) Marshall Space Flight Center (MSFC) in Huntsville, Alabama since 2011. Prior to that position, he served as the NASA Constellation Program Manager from 2010-2011, subsequent to serving as the Deputy Program Manager from 2007-2010, providing leadership for the Constellation Program Office at Johnson Space Center in Houston, Texas. Dale began his NASA career at MSFC in 1983 as an aerospace engineer. Dale’s research interests focus on systems engineering theory, both from a scientific and a practical perspective. Specific areas of research include systems complexity, systems integration, technical performance measurement, and systems engineering planning and management. He has authored numerous technical papers and chapters in two textbooks, and served as editor for the systems engineering textbook Applied Systems Engineering. He co-chaired the Space Systems Committee of the International Astronautical Federation, and is a member of the American Institute of Aeronautics and Astronautics (AIAA) and the International Council on Systems Engineering (INCOSE).



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Outstanding Engineering Achievement Merit Awards



Matt Donald

**Staff Engineer, Dynamic Systems Analysis
Pratt & Whitney**

For outstanding contributions towards development of innovative jet engine control algorithms, the design of the Constrained Model Based Control System and the development of engineering talent through mentoring.



Mark LaCour

**Principal Engineer, Systems Integration
Pratt & Whitney**

For excellent leadership of the Airbus A320NEO engine control systems integration team, outstanding support of the Airbus Flight Test program and developing engineering talent through mentoring and knowledge sharing.



Luis Muniz

**Manager, Military Controls
Pratt & Whitney**

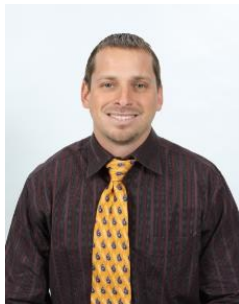
For outstanding leadership of the Pratt & Whitney Adaptive Engine Technology Demonstrator (AETD) program, contributions towards maturing advanced technologies and developing Engineering talent through mentoring and sharing of expertise.



Mary Helen Cone

**Specialist Engineer
Aerojet Rocketdyne**

Outstanding leadership provided to the RL10 Program in driving affordability into our product line and for the tenacious support working with the RL10 Production Team, on a daily basis, to broaden our use of Lean Product Development tools to produce quality engines with significantly reduced Engineering manpower support.



Justin Giardina

**Sr. Engineer, Manufacturing
Aerojet Rocketdyne**

For outstanding support to RS-68 Assembly Program, the successful enterprise transition to Delmia, including enterprise drawings, specifications and roll-out of NexGen model-based drawings for affordability.



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In 2015
Sikorsky helicopters
helped save

3 8 0 6

lives.



In 2014, 2,501 lives were saved
using Sikorsky Aircraft

*Lives saved numbers calculated from Sikorsky Rescue Awards requests



Outstanding Engineering Achievement Merit Awards



Robert Grabowski
Principal Engineer, Systems Engineering
Aerojet Rocketdyne

Distinguished service in the development, verification, and testing and flight certification of affordable rocket engine propulsion system.



Ken Graham
Fellow, Energetics Propellant Development
Aerojet Rocketdyne

For outstanding work on implementing an insensitive energetic fill for the MK-83 1000 lb. munition and demonstrating its effectiveness in an arena test.



Brian Malone
Director, Software Engineering
Aerojet Rocketdyne

In recognition of outstanding support to the RS-25 Engine Control Unit Flight Software program.



Michael Witt
Project Engineer, Systems Engineering
Aerojet Rocketdyne

Distinguished service in the development, verification, and testing and flight certification of rocket engine propulsion systems.



Michael Bauman
Engineer Systems Test 5
Northrop Grumman Corporation

Outstanding support of the Airborne Network Global Information Gateway (GIG) Interface (ANGI) to relocate the Beyond Line of Sight (BLOS) Ground Station for the entire operational JOINT STARS fleet.



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NORTHROP GRUMMAN CELEBRATES NATIONAL ENGINEERS WEEK.

Engineers are the lifeblood of our company. They push the envelope of the possible. They develop aircraft with stealthy signatures. They design autonomous unmanned aircraft that are flying robots. They conceive of sophisticated C4ISR systems that sense and process massive amounts of information into actionable intelligence. They dream of space telescopes that will look back in time almost to the moment of the Big Bang. Engineers are heroes whose game-changing innovations protect our nation's freedom and advance human discovery. Engineers rock. We salute them.



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Outstanding Engineering Achievement Merit Awards



Alan Dixon

**Aerospace Senior Engineer
Belcan Engineering Group, LLC**

For leadership in the continued development of balanced design concepts, which exceed customer expectations.



Joshua Mardis

**Design Technical Lead
Belcan Engineering Group, LLC**

For a committed dedication to technical quality in the engineering design of gas turbine engines.



Thomas Schmidt

**Systems Engineering Sr. Staff
Lockheed Martin**

Outstanding contributions to the Dry Combat Submersible proposal and his work in ensuring the design of unmanned undersea systems meets all safety requirements and program needs.



Sekhar Tangirala

**LM Fellow
Lockheed Martin**

Mr. Tangirala is an industry recognized expert in the design, development, and test of autonomy, guidance, navigation, and control (GNC) systems for unmanned undersea vehicles including expertise in dynamic modeling and simulation of undersea vehicles. He holds two patents for undersea vehicle navigation and is the author of over 40 publications in the field. In 2015, he was named as a Lockheed Martin Fellow (LM Fellow) it is the highest technical achievement in Lockheed Martin Corporation that is awarded only to the top 1% technical employee in the corporation.

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Outstanding Engineering Achievement Merit Awards



Jose Cintrón
Structural Analysis Discipline Leader
Agilis

In recognition of inspirational leadership and management, diligent work ethic, and passion for engineering, José Cintrón is hereby nominated for the Outstanding Engineering Achievement Merit Award.



Steve Jones
Director of Quality Control
BRPH

Steve Jones has served as a leader in both civil engineering and quality control efforts over a forty year career. His leadership has been crucial to maintaining the highest engineering standards on a number of complex, iconic project.



Art Waite
Director of Aerospace
BRPH

Arthur 'Art' Waite is a leader in the aerospace community. His technical abilities in engineering complex aerospace facilities combined with his adaptability to create innovative solutions make him a valued member of the profession.

Congratulations to all of the
Merit Award Winners!



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Distinguished Engineering Project Achievement Awards

Aerojet Rocketdyne RL10 Rapid Relight Acceptance Test Process Affordability Team

RL10 Rapid Relight Acceptance Test Process Affordability Team – Recognized for their technical expertise and support developing and implementing a new acceptance test process which lowered the test cost and cycle time on the for the RL10C-1 engine.

Team Members: **Carlos M. Rodriguez, Cassondra J. Bigini, Robert C. Grabowski, John A. Harris, Ricky A. Schied, Richard D. Sewell, Edward C. Walford, Steven G. Wood**



Distinguished Engineering Project Achievement Awards

Sikorsky S-97 Raider 1st Flight Team

This award recognizes the hard work and dedication of the engineering team that made the 1st flight of the S-97 RAIDER™ a reality.

Team Members: **Mark Wilson, William Fell, Kevin Bredenbeck, Tad Mondell, Leonard Wengler, Josemanuel Rodriguez, Michael C. Bauman, Jeff Cozine, Derek Dussault, Mikel Brigley, Chris Bielewicz, Steve Cizewski, Max Koessick, Brandon Cerge, James Body, Chadwick Miner, Adrian Torres, John Meek**

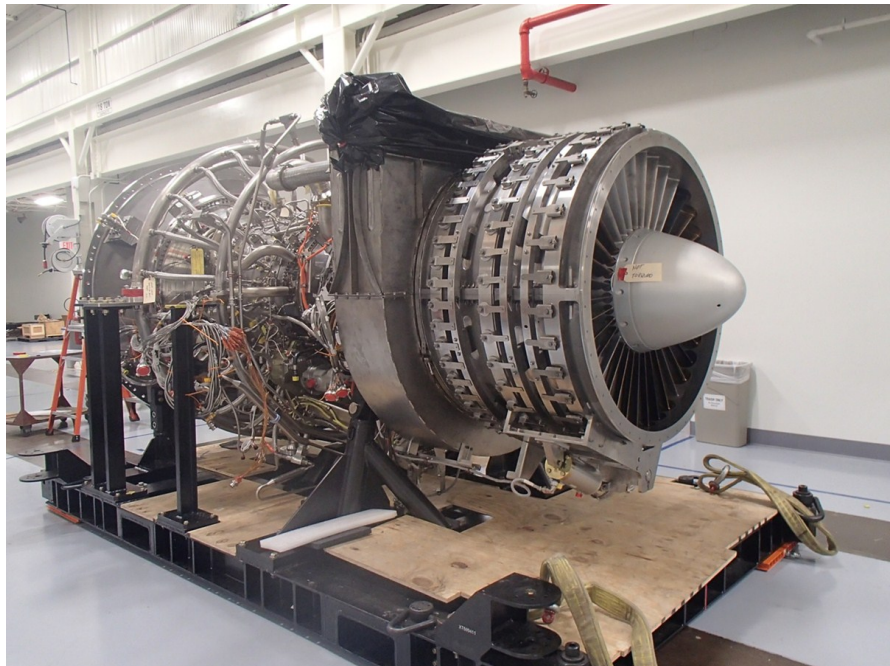


Distinguished Engineering Project Achievement Awards

Pratt & Whitney FT4000 Industrial Engine Hot Section Module Design & Development

Designed and developed hot section for new FT4000 aero-derivative industrial turbine engine resulting in best-in-class emissions, lowest cost of power generation, and one year from first engine to grid power!

Team Members: **Albert Veninger, Kenneth Boucher, Conway Chuong, William Doehnert, Stephen Lindahl, Richard Miller, Wayen Pegram, Michel Price, Richard Seleski, David Shapiro, Nathan Shirk, Craig Smith, Stephanie Tanner, Henry Webster, Kevin White**



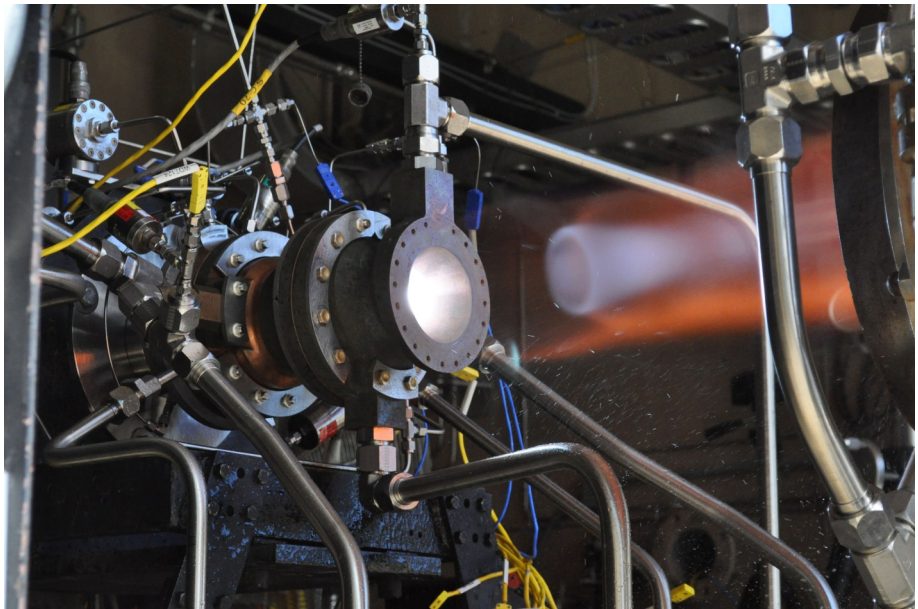
Distinguished Engineering Project Achievement Awards

Aerojet Rocketdyne

RL10 Additive Manufactured Injector Team

The RAMS team is recognized for overcoming significant obstacles and successfully designing, fabricating, and hot fire testing the first full scale additive manufactured injector assembly on a large rocket engine, the RL10.

Team Members: **Matthew Bullivant, Mark Ricciardo, Bruce Unser, Ginger Clayton, Lee Ryberg**



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Distinguished Engineering Project Achievement Awards

Belcan Corporation

Design, Analysis, Project & Build Support of PW NGPF Aero Engines

For outstanding execution of deliverables for the Belcan Externals team throughout the conceptual, preliminary, and detail phases on the Pratt & Whitney PurePower® Geared Turbofan(tm) (GTF) engine family.

Team Members: **Dan Mountcastle, Chris Morlang, Matt Neilson, Chris Tiberio, Cody Maher, Dave Sutterfield, Juan Suarez, Gautam Chandarana, Noel White, Greg Cheraso**



Distinguished Engineering Project Achievement Awards

Northrop Grumman E-2D Wet Outer Wing Panel Design

In recognition of Northrop Grumman's E-2D Wet Outer Wing Panel team's contribution to the significantly expand the aircraft's mission time.

Team Members: **David Fowler, Chris Lazzarra (co-lead), David Wise, Ashley Moore, Mark Buchholz, Ron Logan, Peter Brown, Matthew Dietz, Jordan Senatore, Bill Cavage, Dan Geier, Steven Crittenden, Sean Condon, Nathan Clare, Bryan Ambrosio**



Distinguished Engineering Project Achievement Awards

Northrop Grumman FLEX-15

Northrop Grumman Aerospace Sector (NGAS) congratulates the combined EA-18G and E-2D team for their successful participation in the 2015 Navy Warfare Development Command (NWDC) Fleet Experiment (FLEX) Netted Sensor at Sea 2015 event.

Team Members: **Thomas Hanft, Brian Pellet, Ryan Groulx, Silvia Theroux, Bill Watt, Julie Becker, Andrew Vian, Mike Ehrlich, Joel Silber, Aaron Rich, Dave McKasty, Jim Neel, Bob Kulesa, Dave Kverek, Chris Mueller, Will Geiger, Jeff Poor**



Distinguished Engineering Project Achievement Awards

Sikorsky

UH-60cMU Mods for TARDEC

Optionally Piloted Black Hawk Flight Test Program

Carnegie Mellon University and Sikorsky Aircraft, using Army Black Hawk helicopter enabled with Sikorsky's MATRIX™ Technology and CMU's UGV, successfully demonstrated joint autonomy capability of new ground-air cooperative missions.

Team Members: **Peter Ladyko, David Bruce, Igor Cherepin-sky, Michael Connor, Jason Cudnik, Brian Ibara, Glenn Knaust, Jordan Kreiger, Kenneth Kopp, Cauvin Polycarpe, Russell Post, Harshad Sane, Jeremy Searock, Lonnie Wellmaker, Leonard Wengler Jr., Corey Williams**



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BRPH

Pegasus at Gulfstream Park

BRPH provided architecture, MEP engineering, and site planning services for the world's tallest (110 ft.) bronze horse sculpture in the world, Pegasus at Gulfstream Park. The unique piece of artwork depicts Pegasus fighting a dragon.

Team Members: **Raji Sayegh, Gayane Acopian, Isamar Huingo, Don Boline, Henry Marroquin**



Distinguished Future Technology Leader Award



Ronald Balliram
Mechanical Design Engineer
Agilis

Ronald Balliram is smart, humble, and a creative problem solver. His innate enthusiasm for learning and resourcefulness are only small indicators of his potential for future success in the engineering community. In recognition of technical skill, industry collaboration, and personal ingenuity Ronald Balliram is receiving the Future Technology Leader Award.



Nora Dimas
Propellant Chemist
Aerojet Rocketdyne

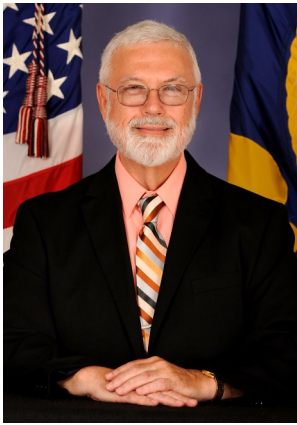
Ms. Dimas has shown herself to be resourceful, dedicated, and effective in her technical efforts at extending the state-of-the-art in propulsion. In recognition of outstanding program efforts for the development of advanced propulsion technology in the areas of reduced life-cycle costs, advanced minimum smoke propellant development, and advanced ramjet fuels development.



Dr. Valerie Wiesner
Research Materials Engineer
NASA Glenn Research Center

For noteworthy contributions to ceramic science and engineering and leadership in inspiring next generation of engineers through education outreach and mentoring efforts, STEM outreach, and sharing her research with the public.

Distinguished Engineering Achievement Awards



Dr. William Frazier
Chief Scientist, Air Vehicle Eng. Dept.,
Navy
Naval Air Systems Command

For pioneering work as the technical architect and driving force behind several cross-disciplinary, multi-organizational, public-private RDT&E programs in materials engineering, additive manufacturing, nano-materials and meta-materials, and structural health management.



Charles Schmitzer
RL10 Field and Launch Support Manager
Aerojet Rocketdyne

In recognition of leadership and technical rigor in developing and supporting RL10 hardware resulting in 100% mission success.



Ron Washburn
Chief Scientist
Agilis

In recognition of professional leadership, technical innovation and profound contribution to the engineering community.



Distinguished Engineering Educator Awards



Oleg Andric
Professor and Department Chair
Palm Beach State College

Oleg has been a full-time Faculty member and Department Chair of Electrical Power Technology program at Palm Beach State College (PBSC) since 2010. He has made significant improvements to the program curriculum and was appointed Department Chair of the Program. He immediately set out an improvement plan for the program in developing local business relationships with emphasis on cross-curriculum and hands-on training of students. Industry business partners include: the

Aerospace industries (Lockheed Martin and Sikorsky), Turbine industries (PSM), the South Florida Water Management, NextEra Fleet Performance Diagnostic Center, and Solar Tech Universal. Has also implemented a schedule of on-site training through industry partners by holding several workshops, such as a Lab View workshop, and a Strain Gauge workshop.



Dr. Kaufui Wong
Professor
University of Miami

Dr. Kaufui Wong dedicated his professional life to engineering education and research, while championing the environment. At 36+ years working for the College of Engineering, University of Miami in Florida, is the longest serving faculty member at present in 2015. His hard work and dedication to engineering education and his profession is undeniable.

His loyalty is without question. He has helped to graduate many practicing engineers, research and engineering academics. His many mentorees include a Vice President of Research of Petronas University in Malaysia, and also taught many successful undergraduates including Rony Abovitz, a very successful engineering entrepreneur and innovator. He is internationally notable for his papers regarding energy and environment, and his many textbooks.

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For more information contact:

Lisa Anderson

Vice President, Private Funding

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Upcoming Event

Please Join Us For

EDUCATION FORECAST 2016

FRIDAY
MARCH 4
2016

KRAVIS CENTER
COHEN PAVILION
Luncheon
11 a.m. - 1:30 p.m.
701 Okeechobee Blvd., West Palm Beach, FL 33401

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DR. ROBERT AVOSSA will UNVEIL
the 2016-2021 Strategic Plan:

[Growing. Strong.]

and we will recognize community leaders
who are graduates of Palm Beach County
schools and their contributions

KEYNOTE SPEAKER
DR. ROBERT AVOSSA
Superintendent

DISTINGUISHED ALUMNI AWARDS



Ethel Isaacs Williams



Daniel Cane

TICKET PRICES

Individual:	\$75
Education Investor: (2 tickets)	\$500
Corporate Sponsor: (6 tickets)	\$1,250
Bronze Sponsor: (10 tickets)	\$2,500

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For sponsorship opportunities please contact
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Christina@EducationFoundationPBC.org

[Click here for tickets or information](#)

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Fast Facts

Palm Beach County

A recognized national leader in the A/A/E industry.



Palm Beach County is home to major U.S. A/A/E and support businesses, backed by strong academic and workforce partners in a climate of synergy and innovation.

THE NUMBERS

\$5 Billion

The total estimated impact of the A/A/E industry cluster in Palm Beach County.

686

The number of A/A/E and support industry companies in Palm Beach County.

12,139

The number of people employed by those companies in Palm Beach County.

\$93,794

The average wage of an A/A/E industry worker in Palm Beach County.

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