



## Center Adds Two R&D 100 Awards!

### *Materials and Electronics Research Recognized*

NASA Glenn researchers and scientists, who contributed to two of the top 100 technologically significant new products from 2013, will be recognized during *R&D Magazine's* awards banquet, Nov. 7, in Las Vegas.

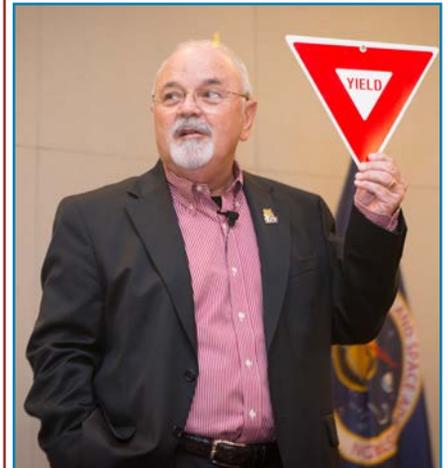
The R&D 100 Awards have been a benchmark of excellence for industry sectors as diverse as telecommunications, high-energy physics, manufacturing and biotechnology. The awards can be vital for gauging government agency's efforts at commercializing emerging technologies. The technologies and teams selected are:

#### Superelastic Intermetallic Nickel Titanium Alloys and Manufacturing Techniques for Advanced Bearing Applications

Used in ball bearings, gears and other mechanical components, these new alloys can withstand tremendous loads and stresses. Unlike components made of steel, these are immune to corrosion and rust and do not chemically degrade lubricants. They are also 20 percent lighter than steel, non-magnetic, electrically conductive, polish to a smooth finish and are readily machined before final hardening. They are ideal for use in harsh terrestrial, marine and aerospace environments.

Continued on page 2

## Safety and Health Awareness Day



C-2014-6433

Photo by Bridget Caswell

Guest speaker Bruce Wilkinson talked about making safety personal during Glenn's Safety and Health Awareness Day. See page 12 for highlights.

## Glenn Celebrates NASA Agency Honor and Center Awards



C-2014-6218

Photo by Marvin Smith



C-2014-6093

Photo by Michelle Murphy

NASA Glenn celebrates the agency's top honors, in the new MIC Auditorium. Left: Director Jim Free, presents appreciation plaque to speaker Alex Longo. See page 5 for a listing of honorees.

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## Combined Federal Campaign Events

Pacesetter Ends: Oct. 10

Collegiate-Directorate Tailgate Challenge: Oct. 16, Cafeteria 10 a.m. to 1 p.m.

Basket Raffle/Halloween Costume Contest: Oct. 24, Cafeteria 8 a.m. to 2 p.m.

Cook Off Competition (Includes Pie the Manager!) Nov. 13, Administrative Bldg. 11 a.m. to 1 p.m.

International Food Fest Dec. 4, Administrative Bldg. 11 a.m. to 1 p.m.

CFC Art Show Dec. 11, MIC Auditorium (time TBD)

## Your Safety Efforts Count

I continue to be proud of the Glenn workforce in working collaboratively to enhance safety in our operations and missions. One noted example is the recent success in the Institutional, Facilities and Operational Safety Audit conducted by the Office of Safety and Mission Assurance (SMA). Our center received no catastrophic or critical noncompliances against OSHA and NASA SMA requirements. Further, Glenn was cited for two best practices and nine commendations and we reduced the number of noncompliances of the 2010 audit by nearly half. Wow! I commend each of you for your part in making Glenn a safer place to work.

Thank you for participating in Safety and Health Awareness Day on Sept. 17! It reminds us all that every day is safety day at Glenn. —Jim

## R&D 100 Awards

Continued from page 1

### Thin Titanium-Water Vapor Chamber Therma-Base®

This invention is a thermal management system for cooling electronics. Along with low weight, high strength, and high heat dissipation capability, it also improves thermal performance by up to 15 times compared to a solid copper-based heat spreader. Its cutting-edge, two-phase cooling approach provides extremely reliable thermal conductivity. Its unique planar structure renders it thin and compact, making it ideal for cooling proton exchange membrane fuel cells and for use in many space-based, military, and commercial applications—particularly computer electronics and light-emitting diode-based devices—that require highly reliable heat dissipation in a small and compact form.

—By Katherine K. Martin



C-2014-3783 Photo by Bridget Caswell

The Therma-Base® team, left to right: Glenn's Dr. Anthony Colozza, Ian Jakupca (Vantage Partners) and Ken Burke. Not pictured: Sergey Semenov, Frank Surina and Steve Linton of Themacore, Inc., Lancaster, Penn.

Therma-Base® is a heat pump design that is simple but highly effective with no moving parts.



C-2014-5529

Photo by Bridget Caswell

The Alloys and Applications team. left to right: Glenn's Walter Wozniak, Glen Bigelow, Fransua Thomas, Dr. Christopher DellaCorte, Dr. Malcom Stanford, Dr. Santo Padula II and Dr. Ronald Noebe. Not pictured: Glenn Glennon of Abbott Ball Company, West Hartford, Conn.

Working with Abbott Ball Company, NASA's Glenn has developed a set of methods to create high-performance alternatives to conventional ball bearing materials.



C-2012-3947

For more information on the 2014 R&D 100 awards, visit: <http://www.rdmag.com/award-winners/2014/08/2014-r-d-100-award-winners>.

## News and Events



C-2014-3777

Photo by Marvin Smith

### Inspiring Future Aerospace Leaders

On July 31, NASA Glenn's Hispanic Advisory Group sponsored a program for summer interns interested in pursuing aerospace-related careers, titled "Pathways to Leadership in Space Flight." The event featured a panel discussion moderated by Director of Space Flight Systems Bryan Smith and members of his organization. Topics ranged from project management challenges to work-life balance. Pictured: Smith moderates a discussion with panelists, left to right: Steve Sinacore, Nancy Hall, Trudy Kortes and John Hamley.

### Glenn-Airport Review Mishap Training

Members of the Cleveland Hopkins International Airport Fire-Rescue Department and NASA first responders participated in 3 days of mishap training and exercises in Glenn's hangar, Aug. 12-14. Facilitated by the center's Aircraft Operations personnel, the training was the first in a series of quarterly training initiated by Allen Turner, Office of Protective Services, to acquaint local responders with Lewis Field's planes and emergency procedures. Glenn pilots Jim Demers and Kurt Blankenship (in helmet), Aircraft Operations Office, demonstrated how to extract crew members from the S-3B in an emergency.



Photo by S. Jenise Veris



Photo by David DeFelice

### Glenn Returns to the Cleveland Air Show

A display of Glenn's flying laboratory, the S-3 Viking aircraft, drew a steady crowd to NASA's tent during the Cleveland Air Show, held downtown Cleveland, Labor Day weekend, from Aug. 29 to Sept. 1. Glenn pilots, flight staff and researchers discussed the aircraft's role in current missions related to testing communications for unmanned aircraft and monitoring algal blooms. Visitors also engaged in interactive kiosks and talked with Glenn personnel about advanced technologies and concepts in aeronautics and space. Pictured: David Ashpis, Turbomachinery and Turboelectric Systems Branch, right, talks with visitors inside the tent.

### POW/MIA Observance: POW Son Shares Memories

Did you know more than 83,000 Americans are missing from U.S. wars and conflicts? Glenn employees learned these startling statistics during Glenn's POW/MIA Observance, Sept. 18. Additionally, Dr. Bruce Swaffield, Regent University professor, talked about growing up as the son of Robert Swaffield, a former World War II prisoner of war, and how captivity shaped his father's life. Veterans Awareness Committee (VAC) members; Center Director Jim Free; and Tom Hartline, VAC trustee and director of Facilities, Test and Manufacturing, participated in the observance. Pictured are members of the Lorain High School Army Junior ROTC performing the Presentation of Colors, and later, the POW/MIA Table Ceremony. Inset photo is Swaffield.



C-2014-6564

Photo by Bridget Caswell

# GVIS Lab Reinvented to Enhance Computer-Aided Tools, Expertise

Looking for a place to explore your creativity? Glenn's newly reinvented Graphics & Visualization (GVIS) Lab provides the space, tools and expertise to innovate your scientific and engineering projects like never before.

Working with Glenn's Lean Six Sigma (LSS) Team, the GVIS Team created a new working environment in its multipurpose creativity and innovation laboratory. The facility offers advanced visualization technologies, low-cost consumer devices for science and engineering applications, advanced user interface devices, mobile devices and computers.

"The lab serves as a 'hackerspace' for computer technology, allowing employees to work on projects while sharing ideas, GVIS high-end computing equipment and knowledge," explained Herb Schilling, Scientific Computing and Visualization Team lead.

Schilling said the GVIS team specializes in helping employees and external customers represent their science problems in a visual manner enabling them to deliver a compelling project story. The team offers technologies that support the entire project process from proposal development, design and implementation to publication



*Pictured are student interns (unless noted) in the newly reinvented GVIS Lab, left to right: Natilya Ratcliff; Connor Winnestaffer; Calvin Robinson, Information and Applications Office; Karlie Daff; Helen Su; Herb Schilling, team lead; and Cecilia Chen.*

and outreach. A wide variety of hardware, software and consulting services also enable rapid prototyping of ideas.

Three recent clients include Glenn's Turbomachinery and Turboelectric Systems Branch, Kennedy Space Center and the Cleveland Clinic Foundation.

The GVIS team offers technology demonstrations, and invites users

to bring their data and advanced computing challenges for extended discussions and prototyping. The lab is located in Lewis Field's Research Analysis Building (142), room 286B, and operated under the Information and Application Division, Office of Chief Information Officer. To learn more, contact the team at [grc-gvis@lists.nasa.gov](mailto:grc-gvis@lists.nasa.gov) or visit <https://ocio.grc.nasa.gov/gvis>.

Glenn's Creativity & Innovation Team has developed several "creative spaces" across the center for creative and innovative thinking. The GVIS Lab is one of these spaces. The C&I Commons (building 142, room 160D) and the iLab (building 5, room CW-12) are the other spaces.

# NASA Softball League Concludes 2014 Season

The 2014 NASA Glenn Softball League season ended with the Darkside as the Regular Season Champions. However, the Hit Squad won four games in a row to become Tournament Champions.

*Darkside (below): standing, left to right, Cory Smith, Dan Hackney, Rick Bozak, Marcus Tarver, Brandon White, Ryan Brown, Brandon Ruffridge, Brian George and Zachary Lucas. Kneeling, left to right, Gerald Traster, Jeff Kregenou, Jose Guerra, Tony Baez, Johnny Winter and Eddie Lajeski.*



*Hit Squad (above): left to right, Anthony Manco, Cory Tuley, Darrell Williams, John Mangan, Scott Manco, Bill Cherry, Joe Sorok, Antonio Davis, LaSalle Olsen, Austin Manco, and Billy Cherry. Not pictured: Alex Camargo, Shana Donley, Tyrelle Hairston and Team Mascot: Lilab Taylor.*



# Next Generation of Explorers

2014 NASA AGENCY HONOR AND  
CENTER AWARDS

## NASA's Agency Honor and Center Awards **2014** Honor Awards—**Outstanding Leadership Medal**



### Michael A. Bilinovich

For outstanding leadership and commitment managing complex security projects, which have created a safer, secure environment and have elevated the Center's security posture

### Robert J. Buehrle

For outstanding organizational and technical leadership in the development of aerospace flight and ground systems contributing to the success of NASA's mission

### Frank Gati

For outstanding leadership in the Systems Engineering discipline at Glenn Research Center (GRC), allowing NASA to meet mission requirements and attain goals

### Dennis L. Huff

For outstanding leadership through exemplary collaborative effort with industry and international regulatory organizations utilizing NASA-developed technologies

### Mary C. Lester

For outstanding leadership and commitment to the management of critical Center Operations functions leading to successful program and mission support

### Lee S. Mason

For outstanding leadership guiding significant advances in space nuclear power generation technology and systems development for the Agency

### Timothy P. McCartney

For outstanding leadership in the Advanced Aircraft Project Office, demonstrating programmatic and supervisory skills achieving significant levels of mission success

### Marsha M. Nall

For outstanding leadership of the GRC Human Research Program, advancing NASA's crew health and exploration goals through innovation, collaboration, and personal leadership

### Thomas P. Ratvasky

For outstanding leadership through a profound and indelible contribution to icing flight research

### Ronald W. Sepesi (not pictured)

For outstanding and sustained leadership as the Center's Source Evaluation Board (SEB) Advisor, enabling Agency-high process efficiency and assuring high-quality selection decisions

### Laurence A. Sivic

For outstanding leadership in achieving results, serving as a role model, leading people, and influencing change at Glenn Research Center

### Thomas H. St. Onge

For outstanding leadership of more than thirty successful fluid physics, combustion science, and human health flight investigations aboard the International Space Station



## Honor Awards



Ahmed



Arnold



Bencic



Bilinovich



Bowersox



Buehrle



Carmichael



Crawford



Cross



Derolph-Kolibas



DiCarlo



Doglio



## Honor Awards



Fedor



Fischer



Forman



French



Gati



Gilmore



Haag



Harder



Harvey



Heyd



Huang



Huff

## Exceptional Service Medal



### Kevin R. Carmichael

For outstanding service in developing and overseeing the execution of engineering and software standards while also performing and delivering on substantial additional duties

### George S. Crawford

For exceptional service in managing and improving the Glenn Research Center's counterintelligence and counterterrorism programs

### Robert B. Cross

For outstanding leadership, service, innovative approaches, and contributions in the area of risk reduction and audit analysis for Safety and Mission Assurance

### Steven L. Fedor

For outstanding service in small and minority business, reimbursable agreements, and export control and for providing expertise in the administration of these critical areas

### Cynthia D. Forman

For exceptional Human Resources service to NASA in Employee/Organization Development, Staffing/Classification, and Employee Relations in the Office of Human Capital Management

### Thomas W. Haag

For exceptional contributions to the electric propulsion field, including the evaluation of numerous innovative concepts and qualification of electric propulsion systems

### Michael A. Meador

For exceptional service in leading NASA's Nanotechnology R&D activities and representation of the Agency as a proactive member of the National Nanotechnology Initiative

### Gary A. Morse (not pictured)

For exceptional sustained service to NASA's mission and for making significant contributions to Space Communications Network Services planning, development, and operations

### Thomas J. Parkey

For exceptional service to NASA's Cost Estimating and Analysis community on multiple projects and initiatives

### Jeffrey J. Rusick

For outstanding dedication and sustained performance in applying safety and mission assurance requirements and processes enabling mission success for NASA programs and projects

### Gwynn A. Severt

For exceptional service as the Facility Manager and engineer of the Engine Research Building and role model/mentor for students and young engineers

### Joseph S. Wisniewski

For exceptional technical leadership, outstanding performance, and service in support of the Engine Research Building (ERB), NASA Glenn High School Internship Program (GHIP) and the NASA Test Facilities Operation, Maintenance, and Engineering (TFOME) Apprentice Program

## Exceptional Public Service Medal



### Richard L. Gilmore

For exceptional leadership in transforming the Agency's approach to evaluating the impact of projects and tools focused on students that are underrepresented and underserved

### Paul J. Lizanich

For exceptional leadership in the safe electrical/electronic operation of the Propulsion Systems Laboratory (PSL) facility and as the vice chair of the Testing Division's Electrical Engineering team

### William V. Meyer

For exceptional technical leadership in the field of soft-condensed matter physics

### Ruth E. Scina

For outstanding service in support of the Space Communication and Navigation Program, including configuration management, outreach, and integration

## Exceptional Achievement Medal



### Salah M. Ahmed

For exceptional leadership in the Agency-wide Master Planning Community, advancing collaboration toward improved future facility capabilities to meet mission requirements

**Susan E. Derolph-Kolibas**

For exceptional achievement in development of practices, procedures, tools, and training for space flight project integrated master schedules

**Emily A. Doglio**

For exceptional achievement strengthening Glenn's information technology (IT) posture and the Agency's IT Investment practices through superior leadership and innovative approaches

**Kristie A. French**

For exceptional achievement in providing technical excellence, integrity, and accomplishment in completing Agency high-visibility mishap investigations

**David P. Irimies**

For exceptional achievement as the SCaN Testbed (STB) Project Manager, leading the checkout, commissioning, and operations of the STB on the International Space Station (ISS)

**Thomas A. Jett**

For exceptional technical leadership in management and operations, enabling successful completion of the W-7 Compressor Test for the Environmentally Responsible Aviation Program

**Robert E. Jones**

For exceptional achievement in developing and implementing NASA Glenn and Agency radio frequency spectrum management mission requirements, policies, and initiatives

**Robert F. LaSalvia**

For outstanding achievements and leadership in implementing online educator development strategies for improving teachers' ability and confidence instructing STEM subjects

**Thong Luu**

For exceptional technical excellence in the development of Center process and product quality assurance (PPQA) procedures leading to successful recertification to software engineering Capability Maturity Model—Integrated (CMMI), Maturity Level 2

**Donald L. Simon**

For outstanding development of an innovative integrated model-based approach for combined aircraft engine performance trend monitoring and gas path fault diagnostics

**Christopher J. Steffen**

For exceptional leadership as the Chief Engineer for the Advanced Stirling Radioisotope Generator project

**Exceptional Public Achievement Medal****John W. Heyd**

For exceptional support and innovative leadership resulting in effective management of resources and services critical to enabling Agency objectives and program milestones

**Ivan E. Locci**

For outstanding and innovative technical achievements that have provided significant contributions to NASA's mission

**Exceptional Engineering Achievement Medal****Peter E. Kascak**

For exceptional engineering achievement in the creation of an electric motor without bearings, significantly decreasing the likelihood of failures in rotating equipment

**Salvatore M. Oriti**

For exceptional engineering achievement in completing an extensive test campaign utilizing the Flight-Like Advanced Stirling Converter E3 Pair 1

**Exceptional Technology Achievement Medal****Steven M. Arnold**

For outstanding micro-mechanics-based constitutive and multi-scale modeling capabilities, extending our computational capabilities from the micro- to component-scale design

**Timothy J. Bencic**

For outstanding new technology development of Light Extinction Tomography which significantly advances future research capabilities and critical testing in engine icing

**James A. DiCarlo**

For exceptional technological contributions in understanding durability of ceramic matrix composites, enabling development of composites with increased temperature capability

**David G. Fischer**

For exceptional and innovative technology advances to optical diagnostic and sensing systems for critical aeronautics and space missions

**Honor Awards***Huybn**Irimies**Jett**Johnson**Jones**Kascak**LaSalvia**Lester**Lizanich**Locci**Luu**Mason*



## Honor Awards



McCartney



Meador



Mebl



Meyer



Nall



Navarro



Olmsted



Oriti



Parkey



Piasecki



Ratvasky



Rusick

### Hung T. Huynh

For outstanding leadership and successful development of high-order numerical methods by the Flux Reconstruction Approach and technology transfer to external organizations

### Exceptional Administrative Achievement Medal



**Stephanie J. Black** (*not pictured*)  
For exceptional achievement in improving the management support of the Space Operations Project Office and enabling successful execution of NASA's goals in human spaceflight

### Early Career Achievement Medal



**Bryan J. Harder**  
For exceptional contributions to NASA's Aeronautics goals by developing new environmental barrier coating systems for ceramic turbine engine materials

### Wensheng Huang

For outstanding early career performance and leadership in electric propulsion that enables future science and exploration missions

### Craig I. Mehl

For outstanding achievement planning integrated solutions to manage complex, multiphase security projects elevating the security posture of Agency and Center SAP Security Programs

### Aaron A. Olmsted

For exceptional professional and personal achievements in support of the Glenn Research Center projects and programs

### Rohit Shastry

For outstanding early career performance and leadership in electric propulsion that enables future science and exploration missions

### Lucas D. Staab

For outstanding mission contributions, excellent work performance, and notable technical achievements as an Early Career Aerospace Engineer in Structural Dynamics

### Brian J. Tomko

For outstanding development of a system where Matlab/Simulink Code is loaded onto microcontrollers for a rapid-prototyping solution that can be used across the Agency

### Kathryn K. Trase

For exceptional achievements on a major NASA program and a special assignment early in a career that promises to be full of many more exceptional achievements

### Equal Employment Opportunity Medal



### Dexter Johnson

For outstanding commitment to the diversity and inclusion values within the Science, Technology, Engineering and Mathematics fields while executing the NASA mission

### Silver Achievement Medal



### Gerald F. Piasecki

For outstanding contributions to the advancement and readiness of the NASA Core Value—Safety—across the Agency

### Adopt-a-City Team

For extraordinary technology transfer to local manufacturers, resulting in significant economic development under the President's Strong Cities, Strong Communities Initiative

### Fall Hazard Mitigation Team

For outstanding dedication and commitment to personnel safety by successfully mitigating extreme and high fall hazards at Glenn Research Center

### Glenn Research Center Audit Team

For outstanding support of the efforts of the Glenn Research Center to achieve and maintain AS9100 C certification

### GRC Shutdown Team

For outstanding planning, execution, and successful Center-wide shutdown processes during the 2013 Government Shutdown at NASA Glenn Research Center

### System for Tracking & Registering Apps and Websites

For outstanding dedication and commitment to personnel safety by successfully mitigating extreme and high fall hazards at Glenn Research Center

## Group Achievement Awards

### Advanced Stirling Radioisotope Generator Team

In recognition of the team overcoming challenges and successfully completing tests that confirm the readiness of dynamic radioisotope power systems for flight qualification

### Iso-Kinetic Probe (IKP) Flight Campaign Team

For outstanding performance in the design, fabrication, testing, delivery, and operations of an iso-kinetic probe in support of the High Altitude Ice Crystal Flight Campaign

### NASA/United States Department of Education Pilot

For outstanding development of a groundbreaking model of interagency collaboration for the advancement of high-quality science, engineering, technology, and mathematics (STEM) teaching and learning in afterschool settings

### Orion Crew Service Module Structures Team

For outstanding and significant contributions to the Multi-Purpose Crew Vehicle service module project in the development of the fully faired Orion design option

### Space Flight Program and Project Integration Team

For exceptional performance of project planning, control, and integration activities for space flight systems developed and operated by NASA Glenn Research Center

### Specialty Gas Management Team

For exceptional service in developing and implementing a specialty gas management system responsible for major process efficiencies, product accountability, and cost savings

### Survey Audits Assessments and Reviews Information

For outstanding team achievement in successfully migrating the Surveys, Audits, Assessments and Reviews Information System (SAARIS) to GRC without disruption of service while achieving cost savings and enhancing security and performance

### The PSL Engine Icing Validation Test Team

For outstanding accomplishment of the first-ever replication of an in-flight ice crystal icing event using ground simulation with a full-scale engine at altitude

### The W7 Front Block Compressor Research Team

For exceptional accomplishment of the single-stage compressor test in W7 High Speed Multistage Compressor Facility before shutdown to complete a major environmentally responsible aviation (ERA) milestone

### UAS-in-the-NAS S-3B Aircraft Flight Research Team

For exceptional performance during research demonstration and validation of communication systems technologies for the Agency and partners in support of national requirements

## Senior Executive Service Appointment

### Sean M. Gallagher

Sean M. Gallagher was appointed to the position of Chief Information Officer, effective July 27, 2014

### Marla E. Perez-Davis

Marla E. Perez-Davis was appointed to the position of Deputy Director, Research and Engineering Directorate, effective January 26, 2014



Gallagher

Perez-Davis

## Service Awards

### Forty-Year Service Award

Stephanie J. Black  
Robert G. Everett  
Thomas V. Hudach  
David P. Huntsman  
Patrick A. Iler  
Susan M. Johnson  
Donna L. Miller  
Gary A. Morse  
James J. Onest  
Ronald W. Sepesi  
James F. Soeder  
Carol J. Stofka  
Deborah L. Thompson  
Walter A. Wozniak  
Robert A. Ziemke

### Forty-Five Year Service Award

Kestutis C. Civinskas  
James L. Smialek

### Fifty-Year Service Award

Gerald V. Brown



## Honor Awards



Scina



Severt



Sbastry



Simon



Sivic



Staab



Steffen



St. Onge



Tomko



Trase



Wisniewski

### Craftsmanship Award

#### Manufacturing Technologies

For exemplary skills, attention to detail, and creativity in solving the instrumentation and assembly challenges for the Transonic Turbine Blade instrumentation  
**Terry L. Ferrier**

#### Assembly & Buildup Technology

In recognition of work reactivating Cell 11 for Green Propellant Infusion Mission (GPIM) testing  
**Olen J. Reed**

### Steven V. Szabo Engineering Excellence Award

#### Recovery Team for the ISS Ammonia Pump Failure

For engineering excellence in resolving the External Active Thermal Control System ammonia pump failure investigation for the International Space Station (ISS)  
**Richard A. Manco and Robert J. Bruckner**

### Support Assistant/Clerical Award/GRC

For exceptional administrative support to the procurement staff, improving the timeliness of action item completion and the efficiency of senior-level document routing  
**Mary A. Salvo**

For outstanding support of the Lockheed Martin Materials and Structures Division  
**Amanda C. Thompson**

### Support Assistant/Clerical Award/SGT, Inc.

In recognition of a cooperative team attitude approach in the Space Technology Research Grants (STRG) Program Office and the STRG Program Plan  
**Jennifer Johns**

In recognition of continued excellent support to the Human Capital Development Division, including willingness to accept a new role as the Deputy SATERN Administrator Lead  
**Laura K. Baker**

In recognition of exceptional administrative support to, and invaluable knowledge of, the Office of Human Capital Management, including significant efforts resulting from the Center Reorganization  
**Rhonda S. Billick**

### Diversity Leadership Award

For leadership in the African Heritage Advisory Group (AHAG) and other programs and activities designed to foster diversity and inclusion in the Glenn Research Center workforce and the greater Cleveland community  
**Nikki D. Welch**

### Federal Acquisition Certification for Program and Project Managers

**Thomas J. Sutliff**

### GRC Large Business Prime Contractor of the Year

**Honeywell Technology Solutions, Inc.**

### GRC Small Business Prime Contractor of the Year

**DB Consulting Group, Inc.**

### GRC Small Business Subcontractor of the Year

**Quality Assurance and Risk Management Services, Inc.**

### GRC Small Business Procurement Person of the Year

**Ra-Deon L. (Kirkland) Sledge**

### GRC Small Business Technical Person of the Year

**William T. Spilker**

### GRC Small Business Program Person of the Year

**John P. Pokatello**

### NASA Small Business Prime Socio-economic Goal Achievement Award

**Glenn Research Center**

### Service Disabled Veteran Owned Small Business Achievement Award

**Glenn Research Center**

*Citations are reproduced from the Honor Awards Program. Graphic design and layout by Kelly Shankland and Jim Lucic. Photos by Marvin Smith.*



*Baker*



*Billick*



## Center Awards



*Bruckner*



*Ferrier*



*Johns*



*Manco*



*Pokatello*



*Reed*



*Salvo*



*Sledge*



*Spilker*



*Sutliff*



*Thompson*



*Welch*

## Owens Crusaded for NASA Safety



Glenn D. Owens, 57, SLI/Safety and Mission Assurance manager for the Test Facilities Operations Maintenance and Engineering contract, died suddenly, Aug. 25.

Owens joined the NASA Glenn workforce as a Certified Safety Professional in 2005, supporting the Facilities, Test and Manufacturing Directorate at Plum Brook Station. He advocated task-based hazard recognition through the Job Hazard Analysis and introduced several OSHA compliance programs at the center.

“Glenn worked closely with his NASA counterparts and championed evolving programs for which he received several awards,” SLI Program Manager Brian Rice reflected. “He personally made a significant impact on safety at both Lewis Field and Plum Brook Station.”

Owens was a U.S. Navy veteran. He previously served at NASA's Marshall Space Flight Center and the U.S. Department of Agriculture's Plum Island Animal Disease Center.

## More Than a Memory



*Davis*

Gwendolyn A. Davis, 71, a 2005 retiree with 38 years of federal service, died Sept. 5. Davis began her NASA career following her tenure at the VA Medical Center. She was

chief of the Program and Policy Division in the Office of Human Resources, and Labor Relations Officer. In 1986, Davis earned NASA's Outstanding Leadership Medal “for contributions to the creation of a highly productive, motivated and empowered workforce.” Her husband, James Davis, is a Glenn retiree.

Jack A. Heller, 93, a 1988 retiree with 32 years of NASA service, died July 7. Heller made significant contributions to Space Power Systems. He co-authored papers on the performance of the Brayton-B Power System. He also helped develop the Advanced Rankine-Potassium Cycle System, considered the most efficient system for generating space electric power. Heller formed the Lewis Stamp Club, specializing in aviation and space stamp cachets. He returned as a contractor for 4 years after retiring and coordinated a monthly eastside NASA retiree luncheon.

Norman W. Orth, 78, a 1995 retiree with 41 years of NASA service, died April 9. Orth was a physical science technician who worked primarily in the Materials

Division. He was part of the Conservation Of Strategic Aerospace Materials Team that examined substitute materials to help reduce costs and improve performance of aircraft engines. Orth's 1989 Suggestion Award proposed the use of a melt spin rig catcher to improve the quality of research materials, which significantly increased productivity.



*Walter*

Rocket Lab in 1957. He transferred to Plum Brook Station's (PBS) Rocket Systems Area in 1961, and helped bring the Space Power Facility and Wind Turbine Project on line. Back at Lewis Field in 1974, he worked on the Automotive Stirling program. Walter earned a NASA Group Achievement Award as part of the Hypersonic Air-Turbo-Ramjet Rake Fabrication team. He was a member of the Huriot RC Sports Flyers Club at PBS.



*Orth*

Robert J. “Bucky” Walter, 83, a 1995 retiree with 40 years of federal service, died Aug. 27. Walter was a U.S. Army veteran, who began his NASA career working in the

## Calendar

**DISABILITIES AWARENESS EVENT:** Glenn's own Maricela Lizcano will share her story on being visually impaired, during Glenn's Disabilities Awareness Month Observance, Wednesday, Oct. 22, 10 a.m. to noon, Ad Bldg. Auditorium. POC: Kathy Clark, 3-8354

**NATIONAL CYBER SECURITY AWARENESS MONTH:** Glenn will present its National Cyber Security Awareness Day program and training event, Thursday, Oct. 23. Participants will learn more about IT security threats and how to avoid such incidents through informative IT security presentations. See *Today@Glenn* for details. POC: Brenda Ellis, 3-5214.

**YOUNG ASTRONAUTS DAY STAFF:** Staffers are needed for Glenn's annual Young Astronaut Day, Nov. 1, from 9:30 a.m. to 3 p.m. in the hangar. POC: Ashlie Flegel, 3-8037.

**VETERANS FORUM:** Glenn's Veterans Awareness Committee will hold a Veterans Information Forum, Nov. 4, 11 a.m. to 1 p.m., MIC Auditorium, to provide veterans with benefits-related information. Representatives from the VA and other veteran-related organizations will provide information. POC: Peggy Cornell, 3-2748.

**NARFE HEALTH FAIR:** The National Active and Retired Federal Employees (NARFE), Chapter 470, and other Northeast Ohio chapters will host an Open Season Health Fair, 1 to 3:30 p.m., Wednesday, Nov. 5, at the North Olmsted Community Cabin, 28114 Lorain Road, North Olmsted. Representatives from health, dental and vision plans will be present. Current and retired federal employees are invited.

**IFPTE LOCAL 28, LESA MEETING:** LESA will hold its next membership meeting, Wednesday, Nov. 12, noon, in Glenn's Employee Center's Small Dining Room.

## In Appreciation

I want to thank my friends and coworkers who were such a great help with their prayers and emotional support during my wife Amy's illness and recent passing. I was always able to find a sympathetic ear and reassuring voice here with the NASA family. My family and I are more than grateful.

—Terry Jansen

**National Aeronautics and Space Administration**

**John H. Glenn Research Center at Lewis Field**

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*AeroSpace Frontiers* is an official publication of Glenn Research Center, National Aeronautics and Space Administration. It is published the second Friday of each month by the Office of Communications & External Relations in the interest of the Glenn workforce, retirees, government officials, business leaders and the general public. Submit short articles and calendar items via e-mail to the editor: [doreen.b.zudell@nasa.gov](mailto:doreen.b.zudell@nasa.gov) or 216-433-5317.

**November 2014 issue copy deadline: Oct. 24, noon**

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# Safety and Health Awareness Day

Glenn Safety and Mission Assurance Director Anita Liang and staff hosted the center's annual Safety and Health Awareness Day, Sept. 17. The event featured speakers, information booths, health walks and a mishap panel to reinforce the message that "Every Day is Safety Day."

Center Director Jim Free reaffirmed the importance of work/life balance to the safety and success of the center in his remarks to employees during the kickoff held in the MIC Auditorium, which aired live to Plum Brook Station. Liang followed with a review of the center's 2014 Key Accomplishments in Safety and the new Safety Culture Plan. NASA Safety Center Director Alan Phillips also provided a comprehensive overview of NASA's mishap status and key lessons learned. A lively presentation by safety consultant Bruce Wilkinson, CEO of Workplace Consultants, Inc; and keynote address by NASA EVA Mishap Board Chairman Chris Hansen, reinforced the importance of leadership creating a climate that inspires employee vigilance in following safety procedures. However, presentations on lessons learned throughout the day revealed that safety is a value that should not be limited by task or time.



C-2014-6459



C-2014-6436

Photos by Bridget Caswell



Photo by Doreen Zudell



C-2014-6414

*Top right, clockwise: Plum Brook and Lewis Field (pictured) employees participate in the Center Health Walk. • Keynote Speaker Chris Hansen, EVA Mishap Board chair, shares highlights of a mishap involving an astronaut's helmet on the International Space Station. • Glenn Emergency Response Team members, Brian Laney and Candice McDonald, provide information on the use of robotics in hazardous situations. • Lee Bates of Red Wing Shoes, left, gives tips on shoe safety and durability to Bud Vance and Kevin Winke at Plum Brook.*