National Aeronautics and Space Administration

AEROSPACE Frontiers

VOLUME 18 ISSUE 10 OCTOBER 2016

Glenn Hosts Industry to Discuss Universal Stage Adapter

Role in the Journey to Mars is Expanding!

Center Director Dr. Janet Kavandi recently signed a memorandum of understanding with Todd May, NASA Marshall Space Flight Center's director, entrusting NASA Glenn to manage the design and development of the Universal Stage Adapter (USA). The adapter will connect the Space Launch System (SLS) Exploration Upper Stage to Orion during its human exploration missions. The adapter also maximizes the rocket's lift capacity, allowing it to carry a co-manifested payload, such as a deep space habitat.

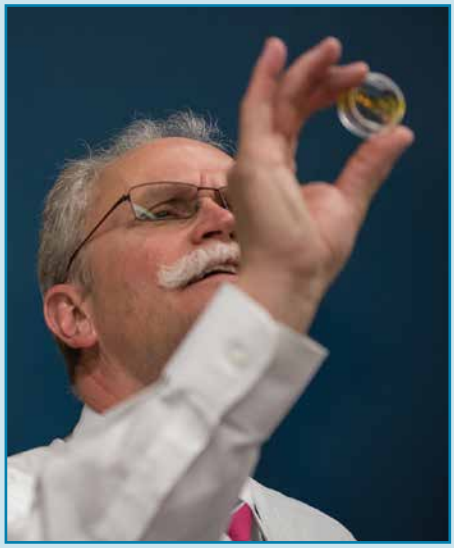
Continued on page 2

Seated, left to right: panelists Bryan Smith, Stephen Creech and Joe Roche look on as Kathy Schubert answers a question from a member of the media. Moderator: Frank Jennings

Around the Center

GRC-2016-C-07057 Photo by Rami Daud

Nine honorees inducted into Glenn Hall of Fame. See page 3.



GRC-2016-C-06909 Photo by Rami Daud

Event showcases revolutionary new technologies in aviation. See page 3.

GRC-2016-C-07268 Photo by Marvin Smith

Capt. Michael Coats assists with 2016 Honor Awards, Aug. 31. See page 5.

In This Issue

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Glenn Service Awards 2
Plum Brook Picnic 4
Air Show Excitement 4

This special 12-page issue highlights the NASA Honor & Center Awards.

Workplace Practice—Plan Ahead and Be Safe

Risk management is essential to everything we do—whether it is launching a complex aerospace system or getting to meetings on time. Our lives are packed with activities that require us to organize and plan ahead for obstacles. In the past month, we have received a significant number of close-call mishap reports. These reports are gifts because they remind us to pace ourselves, watch out for our co-workers, and continue to demonstrate our commitment to our safety culture at Glenn. I would like to take this opportunity to encourage everyone to be diligent, be familiar with the hazards and risks around us, and address the uncertainties that deter us from safely reaching our destinations.

Let us continue reporting mishaps because they are important for maintaining a strong safety culture.

—Janet

Universal Stage Adapter

Continued from page 1

Panelists from Glenn and Marshall shared details on the adapter's design and capabilities during a media briefing, Aug. 17. The briefing coincided with NASA's Industry Day. In early August, Glenn issued the draft request for proposal offering companies the opportunity to design and build the adapter. Many of those companies attended the Industry Day event at Glenn to meet with center project managers, asking questions and offering feedback.

"Today's Industry Day is the beginning of an important new partnership between Glenn and Marshall, and it kicks off the process of building this critical component of the Space Launch System," Kavandi said. "We could not be more excited to lead this effort."

Glenn's expertise has been instrumental in the design and development of many of Orion's systems. Since early spring, the center has been testing Orion's powerhouse, the European Service Module, at the Plum Brook Station facility by exposing a test article to the conditions of launch and ascent aboard the SLS. Glenn is also performing leak testing on the Orion docking hatch in the Space Exploration Seal Laboratory at Lewis Field.

For more information on the adapter, visit http://go.nasa.gov/2b4OD5r.

Panelists

- **Bryan Smith**, director, Space Flight Systems, Glenn
- **Stephen Creech**, acting director, Spacecraft and Payload Integration and Evolution Office, NASA's Marshall Space Flight Center
- **Joe Roche**, sub-element manager for USA, Glenn
- **Kathy Schubert**, deputy director, Safety and Mission Assurance, Glenn

2016 Combined Federal Campaign

Campaign runs through Dec. 30, 2016

Basket Raffle
Friday, Oct. 21
8 a.m. to 1 p.m. in Main Café

Plum Brook Station Festival
Thursday, Nov. 3

International Food Fair
Thursday, Nov. 17, 11:30 a.m. to 1 p.m. in MIC Building.

Chair: Mary Jo Long-Davis
Co-Chair: Dale Hopkins
Loaned Executive: Osvaldo Rivera
Senior Executive: Susan Kevdzija

Chair's Goal—Increase Center Participation from 43 percent (in 2015) to 55 percent

Glenn Employees Receive Service Awards

Thirteen employees were recognized for 40, 50 or 55-years of service to NASA during the 2016 Agency Honor and Center Awards, Aug. 31. Turn to page 5 to view a special insert outlining all of this year's Honor and Center Awards.

FORTY-YEAR SERVICE AWARD
Raymond F. Beach
James M. Budinger
Thomas O. Cressman
Gary G. Kelm
Robert F. Lallier, Jr.
Robert J. Makovec
Kathryn M. Roser
Wayne A. Whyte
Kathleen A. Zona

FIFTY-YEAR SERVICE AWARD
Robert C. Anderson
Robert L. Cataldo

FIFTY-FIVE YEAR SERVICE AWARD
Louis A. Povinelli

Emergency and Inclement Weather Lines
Lewis Field: 216–433–9328 (WEAT)
Plum Brook Station: 419–621–3333

Glenn Welcomes Second Class of Inductees into Hall of Fame

On Sept. 14, the second class of nine exemplary honorees was inducted into the prestigious Glenn Research Center Hall of Fame. The event, held in the Mission Integration Center Auditorium at Lewis Field, was a highlight to a special anniversary year celebrating the center's decades of excellence and those who made significant contributions to that success over its 75-year history.

WKYC Channel 3 meteorologist Greg Dee returned to emcee the event. Deputy Center Director Dr. Marla Perez-Davis and NASA Chief Scientist Dr. Ellen Stofan provided accolades in their opening remarks. Stofan, who is the daughter of honoree Andy Stofan, shared her remarks in a video.

Perez-Davis congratulated the nine inductees, who she said represent a distinctive group of role models and leaders who inspire us all. Stofan affirmed, citing, "my dad's dedication to the center, love of the people and NASA's mission showed me the difference one person can make and put me on my own career path of dedication to this agency."

History Officer Anne Mills coordinated the event with the assistance of staff from the Office of Communications and External Relations and the Logistics and Technical Information Division. The ceremony included video tributes to each inductee and a plaque presented to the honoree or a representative.

By S. Jenise Veris

GRC-2016-C-07070 Photo by Rami Daud

The 2016 Class of Glenn's Hall of Fame inductees standing, left to right: Dr. Bondurant; Stofan; Dr. Earls; Bruce Banks, a Dr. Kaufman colleague; and Gordon's sons Sheldon and Joel. Seated, left to right: Judy Szabo, Szabo's spouse; Dr. Reid, Dr. Reshotko; and Molly Nesham, McBride's daughter.

2016 Inductees

- **Dr. Lynn Bondurant**, Science, Technology, Engineering and Mathematics advocate and inspiring educator
- **Dr. Julian Earls**, former center director and health physics leader
- **Sanford Gordon** and **Bonnie McBride**, developers of industry transforming chemical equilibrium codes
- **Dr. Harold Kaufman**, trailblazer of ion propulsion
- **Dr. Lonnie Reid**, leader in compression research
- **Dr. Eli Reshotko**, luminary of boundary layer theory and research
- **Andrew Stofan**, former center director and champion of center revitalization
- **Steve Szabo**, leader in program management

Convergent Aeronautics Solutions Showcase Pushes Boundaries

GRC-2016-C-06963 Photo by Rami Daud

The multi-center collaboration team of CAS project managers and principal innovators.

Researchers from several NASA centers shared information about revolutionary new technologies that will move aviation forward during the Convergent Aeronautics Solutions (CAS) Showcase, hosted by NASA Glenn, Sept. 7 to 8.

The CAS project allows researchers to push the boundaries of aviation by combining aeronautics fundamentals with advancements from the nonaeronautics world. The goal is to overcome barriers and achieve new capabilities in aviation.

Continued on page 12

Summer Appreciation Social at Plum Brook

Employees at Plum Brook Station gathered in the Engineering Building to enjoy great food and fellowship during their annual Station Appreciation Picnic, Thursday, Aug. 18. Deputy Director Marla Perez-Davis and Associate Director Janet Watkins joined in on the fun.

GRC-2016-CN-00005

GRC-2016-CN-00009

GRC-2016-CN-00008

GRC-2016-CN-00006 Photos by Doreen Zudell

NASA Brings Exploration Excitement to Air Shows

NASA Glenn led an agencywide exhibit at the Chicago Air and Water Show, held Aug. 20-21 on Chicago's lakefront. The NASA exhibit featured the Journey to Tomorrow Trailer (JTT), the Driven to Explore multimedia exhibit, and other activities showcasing advances in aeronautics and space exploration. More than 5,000 people ventured through the JTT, pictured far left, with its interactive stations to engage children and adults of all ages.

Over Labor Day weekend, Glenn staff greeted an estimated 8,000 visitors at the Cleveland Air Show held at Burke Lakefront Airport. Crowds were drawn to the variety of demonstrations and displays under the NASA tent and NASA's research aircraft. Dr. Dan Raible, pictured left, discusses NASA's air support to research on Lake Erie Algal Blooms.

GRC-2016-CN-00002 Photo by Zachary Lucas

GRC-2016-CN-00001 Photo by Mack Thomas

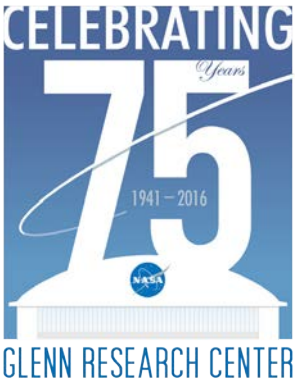
In Appreciation

My son, Nico, and I would like to express our deepest gratitude and appreciation to everyone who extended their prayers and heartfelt support on the recent passing of my son. Your kindness, thoughtfulness and generosity will always be remembered. I would also like to thank the parents from Lewis Little Folks who had a memorial bench made and placed at the day care center in honor of Dominic. **—Gayle DiBiasio**

I am humbled to have been selected to be one of the 2016 NASA Glenn Hall of Fame honorees. I owe so much to the many individuals at Glenn that supported our education efforts. I celebrate with joy that I was a part of Glenn's "education story." Thank you for this honor. **—Dr. Lynn Bondurant**

We want to express our heartfelt gratitude to our NASA family for your support, prayers and visits during Carol Mehallick's illness and passing. You were a source of comfort to us after this unexpected loss. **—The Mehallick and Mitchner families**

2016 NASA Agency Honor and Center Awards



OUR PAST • OUR PRESENT • YOUR FUTURE

DISTINGUISHED SERVICE MEDAL

J. William Sikora *(not in attendance)*
For legal representation, advocacy and leadership on behalf of the United States and NASA resulting in advances in Aeronautics and Space missions for the benefit of all

OUTSTANDING LEADERSHIP MEDAL

Renato O. Colantonio
For outstanding professional leadership across diverse, multi-center teams achieving significant changes in programmatic investment portfolio consistent with ARMD's strategy

Robert R. Corban
For outstanding leadership of the Glenn Research Center's ISS Research Program, advancing NASA's physical sciences research and exploration goals

John M. Koudelka
For outstanding performance in managing the execution of the Aeronautics portfolio at the NASA Glenn Research Center

David H. Manzella
For exceptional leadership as the Chief Engineer for the Solar Electric Technical Demonstration Project as well as technical expert and advocate for SEP within the Agency

Gene L. Stygles
For outstanding leadership and commitment in managing institutional projects, systems, and staff to enable NASA missions

OUTSTANDING PUBLIC LEADERSHIP MEDAL

Michael Bragg
For outstanding public leadership in support of NASA's Mission in icing research

Belinda Walker
For exceptional work consistently demonstrating high integrity, quality and a commitment to continuous improvement as Center Documentation Manager

EXCEPTIONAL SERVICE MEDAL

Karen F. Bartos
For outstanding technical and business acumen as an engineering analyst and as a technology manager in the Technology Transfer Office, creating great value for NASA

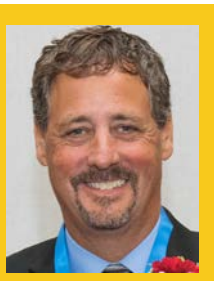
Sandra M. Doehne
For exceptional leadership of high performing teams during operations, maintenance and enhancement of unique facilities supporting missions used to meet NASA milestones

James Jackson
For outstanding leadership, service, innovative approaches and contributions in the area of quality and quality assurance for Safety and Mission Assurance across the Agency

Jacob Jevec
For exceptional institutional and program resources management and analysis support to the NASA Glenn Research Center

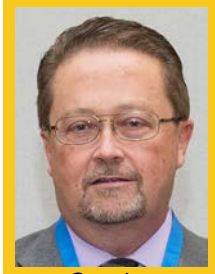
Daniel J. Kovach
For exceptional service as the lead mechanical technician in the 10x10 Supersonic Wind Tunnel and enabling successful operation and testing of critical research


Colantonio

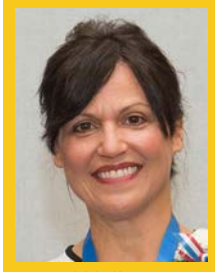

Corban


Koudelka

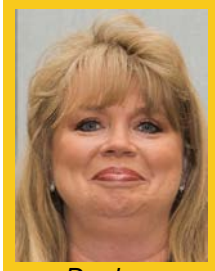

Manzella

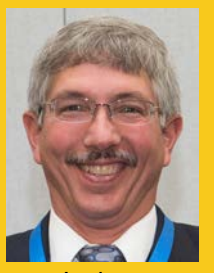

Stygles


Bragg

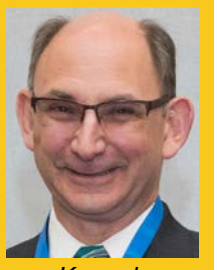

Walker


Bartos


Doehne


Jackson


Jevec


Kovach

75 YEARS
1941 - 2016


Litt


Nelson


Polansky


Spanos


Canacci


Kubera


Foster


Green


Horsham


Lilley


Rodriguez


Sandifer

Jonathan S. Litt
For exceptional performance in developing advanced control methods, cutting-edge engine health estimation concepts, and simulation tools for aircraft propulsion systems

Jerry G. Myers *(not in attendance)*
For exceptional contributions in computational modeling to mitigate medical issues associated with the extreme space environment for long-duration human spaceflight

Emily S. Nelson
For outstanding and sustained contributions to multiple NASA programs and projects through innovative applications of physics-based computational techniques

Beth A. Polansky
For exceptional service in providing leadership and subject matter expertise in support of financial and resource management initiatives at both the Agency and Center levels

Patrick Spanos
For outstanding technical excellence and outstanding performance in manufacturing for aeronautics and space flight projects in support of NASA missions

EXCEPTIONAL PUBLIC SERVICE MEDAL

Victor A. Canacci
For exceptional management of repair, maintenance, and upgrade projects in the test facilities at the NASA Glenn Research Center

James J. Kubera
For exceptional service to the design and deployment of innovative financial management processes resulting in efficiencies on multiple NASA contracts

EXCEPTIONAL ACHIEVEMENT MEDAL

William M. Foster
For outstanding management contributions and overall improvements to NASA's physical science research program on the ISS

Robert D. Green
For exceptional development of electrode materials for CO_2 reduction, enabling critical technology for Exploration Life Support, Mars Missions and carbon emissions on Earth

Gary A. Horsham
For exceptional achievement of providing the export guidance and the import certification processes for the European Service Module

Jeffrey M. Larko *(not in attendance)*
For outstanding mission contributions to the Orion Multi-Purpose Crew Vehicle European Service Module project and exceptional service as a vibroacoustics expert

Steve K. Lilley
For exceptional achievement and leadership in providing technical excellence in communicating and disseminating safety information for management and agency use

Maryann Pawson *(not in attendance)*
For exceptional achievement as the Center's Purchase Card Program Coordinator

Daniel Rodriguez
For exceptional achievement in the implementation of the Agency's Invoicing system

Carl E. Sandifer
For exceptional achievements developing cooperative management processes with the Department of Energy to improve their plutonium 238 processes

Judith F. Van Zante
For exceptional technical and leadership excellence in developing testing techniques to support Turbine Engine Icing Research

Mark A. Woodling
For outstanding development and implementation of significant Maintenance Program improvements that sustain GRC facility and infrastructure capabilities

EXCEPTIONAL PUBLIC ACHIEVEMENT MEDAL

Darrell J. Gaydosh
For exceptional service in enabling testing capabilities to advance Shape Memory Alloy technology development

Kamana J. Katiyar
For exceptional achievement in support of the space test facilities and operations at NASA Glenn Research Center

EXCEPTIONAL ENGINEERING ACHIEVEMENT MEDAL

Robert J. Christie
For exceptional engineering achievement in the thermal analysis and design of NASA aerospace systems

Louis J. Ghosn
For exceptional engineering achievement in developing solutions to complex fracture mechanics problems, with significant impact to many critical NASA missions

James A. Nessel
For outstanding design, development, and demonstration of advanced propagation ground terminals leading to the optimization of space communications systems for NASA missions

EXCEPTIONAL SCIENTIFIC ACHIEVEMENT MEDAL

Ignacy (Jack) Telesman
For exceptional scientific contributions advancing the fundamental understanding of fatigue and crack growth in engine components

EXCEPTIONAL TECHNOLOGY ACHIEVEMENT MEDAL

Kenneth A. Burke
For outstanding contributions in developing electrochemical power and energy storage systems with specific contributions to surface exploration and life support missions

Nathan S. Jacobson
For exceptional achievement that advances high temperature mass spectrometry and enables understanding of key reactions in aerospace systems and planetary science

William B. Wright
For exceptional leadership and successful development of the LEWICE2D computational fluid dynamics (CFD) code and technology transfer to external organization

EARLY CAREER ACHIEVEMENT MEDAL

Jeffrey T. Csank
For exceptional innovation in development of technologies for dynamic systems analysis of engine designs to support increased efficiency in commercial aeropropulsion systems

Charles A. Doxley
For exceptional early career achievement in developing and implementing hardware systems in support of the SCaN Program and for commitment to NASA's STEM goals

Monica C. Guzik
For outstanding achievements in the fluids and cryogenics systems discipline, including the AMPS Fuel Cell demo, eCryo, and the 2014 Thermal & Fluids Analysis Workshop

Kristin B. Hawkins
For exceptional performance and innovative improvements in NASA's accounting and financial analysis practices

Natalie L. Henrich
For exceptional early career performance with an emphasis on continuous improvement, and Scientific and Technical Information (STI) Program leadership

Evan J. Pineda *(not in attendance)*
For outstanding and significant contributions in the fields of multiscale modeling and progressive damage modeling of heterogeneous materials

Abigail Rodriguez
For exceptional dedication and technical excellence in providing safety and mission assurance support to the Space Technology Project Office

Joseph E. Rymut
For exceptional early career performance in the design, implementation and operation of ground-based space test facilities in support of NASA missions

EARLY CAREER PUBLIC ACHIEVEMENT MEDAL

Darrell L. Williams
For outstanding achievement, substantially improving operational policies and procedures, resulting in more efficient security operations and excellent customer service

SILVER ACHIEVEMENT MEDAL—(Individual)

Paul A. Bartolotta
For outstanding leadership and achieving positive results by forging critical partnerships to sustain hypersonics research and launching Rocket University and Adopt-A-City

James A. Doglio
For exceptional leadership in facilities project management and engineering contributions to fulfill the mission of the Glenn Research Center

75 YEARS 1941 - 2016


Van Zante


Woodling


Gaydosh


Katiyar


Christie


Ghosn


Nessel


Telesman


Burke


Jacobson


Wright


Csank

75 YEARS 1941 - 2016


Doxley


Guzik


Rodriguez


Rymut


Hawkins


Henrich


Williams


Bartolotta


Doglio


Hyatt


Pham


Smith

Mark J. Hyatt
For achievements in enabling collaborative relationships among GRC SMA, project management and engineering organizations, other Centers, and the local community

Kimlan T. Pham
For exceptional demonstration of NASA's core value of Teamwork and Excellence in Leadership in Aeronautics Management and Execution of Project Acquisitions

James E. Smith
For outstanding dedication and excellence contributing to the successful implementation of Glenn Research Center's safety and health programs

SILVER ACHIEVEMENT MEDAL—GROUP

GRC FY14 and FY15 A-SIP Assessment Team
For exceptional teamwork, excellence and integrity in developing and integrating the Center's response to the Agency Strategic Implementation Plan

Traffic and Pedestrian Safety Team
For outstanding achievement and commitment in supporting safety, teamwork, and excellence to improve the Center's traffic and pedestrian safety program

Rocket University Team
For outstanding technical achievement, excellence, and innovation in developing and flight-validating the Autonomously Navigated ParaGliding Experimental Lander (ANGEL)

Cool Flames Discover Team
For outstanding discovery and validation of the existence of a new mode of quasi-steady Cool Flames which has opened new paths for combustion kinetic model validation

Environmentally Responsible Aviation ITD30A, 35A, 40A Team
For outstanding group achievement in support of the Environmentally Responsible Aviation (ERA) Goals

GROUP ACHIEVEMENT AWARD

GRC Test Facility Request Team
For exceptional teamwork, innovation, and excellence in the design, development, and implementation of the Glenn Research Center's Test Facility Request System

National Lab Day Team
For outstanding innovation in providing Northeast Ohio students with dynamic career exploration experience in science, technology, engineering, and mathematics (STEM) fields

Fleet Management and Transportation Team
For exceptional service in developing and implementing environmentally-friendly fleet management and transportation initiatives producing significant cost savings recognition

10x10 Supersonic Wind Tunnel CCE Project Team
For outstanding achievement in the execution of the Combined-Cycle Engine (CCE-LIMX) Phase 3a testing in the 10x10 Supersonic Wind Tunnel

CPAR for Mandatory Contractor Training Team
For outstanding accomplishment in creating a process to assure SSCs take required training and for exceeding the expectations resulting in a best practice for the Agency

HIWC Radar Flight Campaign Team
For exceptional strategy and resourcefulness displayed in conducting the High Ice Water Content Radar Flight Campaign

ViPR3 Team
For exceptional performance while conducting extremely complicated wing tests in a sophisticated and professional manner with all partners working to achieve technical success

Shape Memory Alloy (SMA) Development Team
For outstanding achievements in the development of new classes of Shape Memory Alloys

E-STA Transportation and Logistics Team
For outstanding performance delivering the E-STA to Plum Brook Station that enabled the Orion Program to begin integration and test of the article ahead of schedule

ISS Microgravity Science Glovebox Investigation Team
For outstanding execution of multiple glovebox investigations on the International Space Station delivering significant research data to NASA and the science community

Spacecraft Fire Safety (Saffire) Project Team
For exceptional achievement in the execution of the Spacecraft Fire Safety Experiment (Saffire) Project resulting in the successful completion of the first three flight units

Chief SMA Officer Summit Team
For outstanding contributions of the team that supported the design and execution of NASA's inaugural Chief Safety and Mission Assurance Officer Summit

Legionnaires' Incident Response Team
For outstanding dedication and excellence in providing an organized emergency response effort for the Legionnaires' incident that occurred at Glenn Research Center

Glenn CyberSprint Response Team
For exceptional achievement in the execution of the Federal CyberSprint initiative, displaying technical and programmatic excellence to improve Glenn's Cybersecurity posture

SENIOR EXECUTIVE SERVICE APPOINTMENT

Susan M. Motil *(not in attendance)*
Susan M. Motil was appointed to the position of Manager of the European Service Module Integration Office, effective November 15, 2015.

Lori O. Pietravoia
Lori O. Pietravoia was appointed to the position of Director of the Office of Human Capital Management, effective July 24, 2016.

SCIENTIFIC AND PROFESSIONAL (ST) APPOINTMENT

Robert R. Romanofsky
Robert R. Romanofsky was appointed to the position of Senior Technologist, Aerospace Communications Technology, effective March 20, 2016.

PRESIDENTIAL RANK AWARD

The President of the United States of America has conferred upon

Ajay K. Misra
the rank of Meritorious Senior Executive in the Senior Executive Service for sustained superior accomplishment in management of programs of the United States Government and for noteworthy achievement of quality and efficiency in the public service.

CENTER AWARDS

ABE SILVERSTEIN MEDAL

For significant contributions toward understanding degradation of thermal barrier coatings and for developing new coatings with increased durability and temperature capability
James L. Smialek

STEVEN V. SZABO ENGINEERING EXCELLENCE AWARD

Radio Frequency Mass Gauge (RFMG) Team
For the design, analysis, build, and test activities resulting in the successful design qualification of RFMG flight hardware and software

CRAFTSMANSHIP AWARD

Assembly and Build-up Technologies
For significant contributions toward Hall Thruster design, fabrication, assembly, and installation
Kevin L. Blake

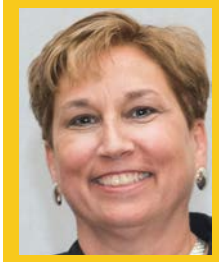
2015 DISTINGUISHED PUBLICATION AWARD

An Experimental Investigation of Overexpanded Jets With Chevrons
Dr. Brenda S. Henderson
Dr. Mark P. Wernet

DIVERSITY LEADERSHIP AWARD

GRC Higher Education University Affairs Team
For significant contributions that exemplify NASA's commitment to diversity through the recruitment and selection of students from Minority Serving Institutions in the Office of Education internship program

75 YEARS 1941 - 2016


Pietravoia


Romanofsky


Misra


Smialek


Blake


Henderson


Wernet

SAFETY AWARD (Individual)

For exceptional stewardship of personnel health and safety while managing a challenging schedule for the Orion European Structural Test Article Test Campaign
Carol A. Ginty

SAFETY AWARD (Contractor)

For commitment to the As-Low-As-Reasonably-Achievable (ALARA) philosophy of radiation safety as demonstrated in efforts to minimize adverse impacts from radioactive materials
Roderick C. Case

75 YEARS
1941 - 2016


Walker


Ginty


Case


Draper


Gill


Haumesser

SAFETY AWARD (Team)

Area 9 Safety Committee
For demonstrating excellence and commitment in delivering safety permits to assure safe operation of test facilities at the Plum Brook Station, effectively applying Safety and Mission Assurance Requirements for success

SAFETY AWARD (Team)

Hangar NASA Meatball Painting Team
For demonstrating excellence and commitment in the Hangar NASA Meatball painting project, effectively and diligently following safety practices to assure personnel safety, achieving timely success

SUPERVISOR AWARD

For outstanding leadership toward bringing stability and increasing employee morale for the newly created Materials Chemistry and Physics Branch in the Materials and Structures Division
Robert D. Draper

SUPPORT ASSISTANT/CLERICAL AWARD

For dedication and outstanding support to the Logistics and Technical Information Division
Judy A. Gill

In Memoriam: For Outstanding Dedicated Service and a Legacy of Excellence as Management Support Assistant of the Communications and Intelligent Systems Division
Diane Benton

FEDERAL ACQUISITION CERTIFICATION FOR PROGRAM AND PROJECT MANAGERS

For satisfaction of NASA/Federal Acquisition Institute (FAI) requirements for the Senior-Expert Level. It grants membership into NASA's Professional Acquisition Community and is recognized through-out the Federal Government
James D. Heidmann
John M. Koudelka
Susan M. Johnson
Margaret L. Nazario
June F. Zakrajsek

GRC SMALL BUSINESS PRIME CONTRACTOR OF THE YEAR

For demonstrating unprecedented dedication and responsiveness to NASA's requirements for High Ice Water Content (HIWC) flight research
Science Engineering Associates

GRC SMALL BUSINESS SUBCONTRACTOR OF THE YEAR

For providing software development and professional services offerings to Subject Matter Experts (SMEs) in accounting and program operations
MSM Group, Inc.

GRC SMALL BUSINESS SPECIALIST OF THE YEAR

For implementing new methods of providing the contracting staff with ready access to guidance, policy and metrics for the small business program
Teresa L. Monaco *(not in attendance)*

GRC SMALL BUSINESS TECHNICAL PERSON OF THE YEAR

As the lead for the Small Business Innovation Research (SBIR) Technology Coordination and Integration Task (C&I) of the Space Communication and Navigation (SCaN) Program under the Human Exploration and Operations Mission Directorate (HEOMD), her work allows high Technology Readiness Level (TRL) SBIR product infusion into SCaN projects, and empowers US small businesses to make significant contributions to the future of space exploration
Afroz J. Zaman *(not in attendance)*

GRC SMALL BUSINESS PERSON OF THE YEAR

For his innovation in awarding the Glenn Multiple Award Construction Contract and its contribution to achieving Center socioeconomic small business goals
Scott D. Haumesser

NASA SMALL BUSINESS PRIME SOCIOECONOMIC GOAL ACHIEVEMENT

Glenn Research Center

Citations are reproduced from the 2016 Honor Awards Program.
Design and Layout by Kelly Shankland.
Photos by Marvin Smith.

Calendar

NASA AIM DAY: Enjoy a full day of celebrating creativity and innovation within NASA during the Agency Innovation Mission (AIM) Day, Tuesday, Nov. 1. Activities include interactive sessions, inspirational messages and innovative tools and success stories within NASA. POC: Tom Yohe, 3-8960.

NOVEMBER SIREN TESTING: The Emergency Management Office staff will conduct the Lewis Field outdoor "voice" test at building 87 on Wednesday, Nov. 2. An audible siren test focusing on the "all clear" tone will be held at Lewis Field on Saturday, Nov. 5. POC: Allen Turner, 3-6826

NARFE OPEN SEASON FAIR: The National Active and Retired Federal Employees (NARFE) Chapter 470 is coordinating with other NARFE Chapters in Northeast Ohio to present an Open Season Health Fair on Friday, Nov. 4, from 1 to 3 p.m., at the Fairview Park Gemini Center, Oak Room, 21225 Lorain Road, Fairview Park. Representatives from FEHB health, dental and vision plans will be present. Current and retired federal employees are invited to attend.

IFPTE LOCAL 28, LESA MEETING: LESA will hold its next membership meeting, Wednesday, Nov. 9, noon, in the Glenn Employee Center's Small Dining Room

NASA RETIRED WOMEN'S LUNCHEON: Mark your calendar for Thursday, Nov. 17, at 1 p.m., at O'Charley's Restaurant, 8913 Pearl Road, Strongsville. Contact Gerry Ziemba at gto64gerry@yahoo.com or 330-273-4850.

Retirements

Bob Draper, chief, Materials Chemistry and Physics Branch, Materials and Structures Division, retired Aug. 31, 2016, with 30 years of service.

Susan Draper, High Temperature and Smart Alloys Branch, Materials and Structures Division, retired Sept. 2, 2016, with 33 years of service.

John Kolacz, Diagnostics and Electromagnetics Branch, Power Division, retired Sept. 30, 2016, with 34 years of service.

Betsy Smith, Logistics and Technical Information Division, Center Operations Directorate, retired June 3, 2016.

Gerri Wiese, Office of Protective Services, Center Operations Directorate, retired Oct. 3, 2016, with 39 ½ years of service

Draper

Draper

More Than a Memory

Colin S. Bidwell, 55, a 2015 retiree with 30 years of service, died July 4. He joined NASA after graduating from the University of Michigan and worked the majority of his career in the Icing and Cryogenic Technology Branch. Bidwell received NASA's Exceptional Technology Achievement Medal for sustained leadership and successful development of the LEWICE3D Computational Fluid Dynamics code and technology transfer to external organizations.

Benjamin J. Dastoli, 76, a 1998 retiree with 35 years of NASA service, died June 18. In his early years, Dastoli supported NASA's Aeropropulsion Facilities and Experiments Division efforts in the High Speed Research (HSR) and Supersonic Propulsion Programs. He retired from the Facilities & Test Engineering Division, where he once served as lead electrical engineer for the design and construction of the Aero-Acoustic Propulsion Laboratory control room.

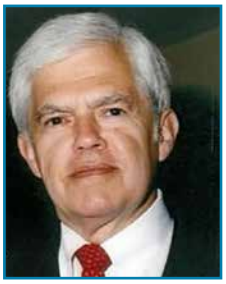
Carol J. Mehallick, 72, a 2005 retiree with 28 1/2 years of federal service, died July 23. Mehallick dedicated most of her NASA career to the Administration and Computer Services Directorate, where she was recognized with a special service award. Mehallick later served NASA as a human resources specialist providing retirement and benefits counseling to current employees as a member of the Retirement Office in the Human Resources Management Division.

Robert (Bob) A. Schneider, 82, a 1994 retiree with 30 years of service, died July 29. He was a veteran of the Korean conflict. Schneider spent the majority of his NASA career in budget/program analysis. In 1987, he was appointed to the center's Strategic Planning Committee, while serving as chief, Resources Analysis and Management Office. He retired from the Power Systems Project Office.

Bidwell

Dastoli

Mehallick



Schneider

Connect With Glenn

National Aeronautics and Space Administration

John H. Glenn Research Center at Lewis Field
21000 Brookpark Road
Cleveland, Ohio 44135

www.nasa.gov

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November 2016 Calendar section deadline: Oct. 21, noon
News and feature stories require additional time

Editor: **Doreen B. Zudell**, ATS
Assistant Editor: **S. Denise Veris**, ATS
Managing Editor: **Kelly R. DiFrancesco**

Read AeroSpace Frontiers online at http://www.nasa.gov/centers/glenn/news/AF/index.html

Convergent Aeronautics Showcase

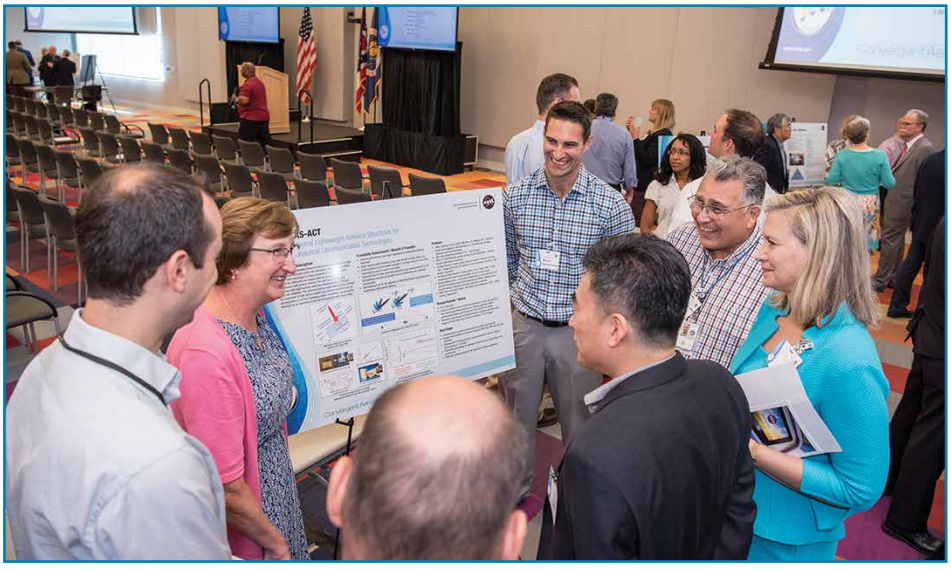
Continued from page 3

The ideas chosen by the CAS project relate to one or more NASA research areas: safe and efficient global operations, ultra-efficient commercial vehicles, low-carbon propulsion and assured autonomy. The showcase highlighted 11 concepts NASA believes will transform the aviation industry.

"We want to know if these solutions and concepts are feasible," said Robert Pearce, deputy associate administrator for strategy, Aeronautics Research Mission Directorate. "These investigators have stepped up with innovative ideas and we want them to continue learning to move the concepts forward."

The showcase included poster sessions and tours that enabled attendees to exchange information and collaborate on promising concepts.

For more information about CAS projects, visit: http://go.nasa.gov/2aWongE.



CAS Principal Innovator Dr. Mary Ann Meador briefs ARMD Associate Administrator Dr. Jaiwon Shin, FAA–NASA Liaison Lee Olson (next to Shin) and other participants on the Conformal Lightweight Antenna Structures for Aeronautical Communication Technologies activity during the poster session.

New Collaboration Conference Facilities

CAS Project Manager Isaac Lopez explains the features of a new state-of-the-art collaboration room.

The Office of the Chief Information Officer and Aeronautics Research Mission Directorate (ARMD) partnered to deploy 10 state-of-the-art collaboration rooms supporting CAS at NASA Ames, Armstrong, Glenn and Langley centers. The rooms, based on Mezzanine technology, are controlled with interactive gestural interface tools and feature ultra-high definition audio/video capabilities, enabling multiple users to collaborate in a shared digital workspace. This dynamic interaction allows people from across the centers to feel as though they are in the same room working alongside their colleagues to develop solutions to problems. Collaborative work sessions are accessible by desktop, laptop, tablet or smartphone. Additional features include touch-based annotations via mobile devices, whiteboard capture to retain key points and session archiving/restart capabilities.