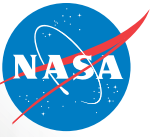


VOLUME 25 | ISSUE 7 | JULY 2023

National Aeronautics and
Space Administration



AeroSpace *frontiers*

Mentoring
Our Interns



DIRECTOR'S SAFETY CORNER

See Something, Say Something

Throughout the years, our Glenn facilities and laboratories have had a very good safety track record, yet there is always room for improvement in helping to ensure the safety of each employee working at our center. Safety is everyone's responsibility here, so if you see something unsafe, please say something to your supervisor or report the issue to the Safety and Health Division. Also, as a reminder to supervisors, it is your responsibility to ensure a safe environment for your employees and be aware of their work assignments.

I ask that you all remain vigilant in identifying and reporting safety issues and be accountable to one another to help ensure everyone at our center gets to go home safe and sound at the end of the day.

AeroSpace Frontiers

is an official publication of NASA's Glenn Research Center. It is published the second Friday of each month by the Office of Communications in the interest of the Glenn workforce, retirees, government officials, business leaders, and the general public.

Submit short articles and calendar items to the editor at doreen.b.zudell@nasa.gov.

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216-433-5317

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Managing Editor: **Kelly R. DiFrancesco**

Glenn Welcomes 2023 Summer Interns

Glenn staff welcomed 162 summer interns to the center for a day of orientation that included briefings and tours on June 5. Interns are working under mentors in a variety of areas, including aircraft propulsion; space propulsion and cryogenic management; communication technology development; power, energy storage, and conversion; physical sciences and biomedical technologies in space; materials and structures for extreme environments; and more.



GRC-2023-C-04431

Photo by Bridget Caswell

Advancing Leaders Through Opportunity



A traditional Chinese lion dance performed by the Kwan Family Lion Dance Team highlighted Glenn's 2023 Asian American, Native Hawaiian, Pacific Islander Heritage Month Celebration on May 23. The dance followed an empowering presentation by George Kwan, community leader and former Cleveland police officer, about advancing leaders through opportunity. Glenn's Asian Pacific Islander Advisory Group sponsored the event.

GRC-2023-CN-00008
Photo by Doreen B. Zudell

On the cover:

Nancy Hall, a researcher in the Microgravity Science Division, briefs intern Brandon Lam on how to operate the Flow Boiling and Condensation Experiment (FBCE) brass board system. The brass board is used for ground testing of FBCE flight hardware before being launched to the International Space Station. Hall has been mentoring students since 1994. Employees throughout the center are mentoring interns this summer.

GRC-2023-C-04763

Photo by Jef Janis

Supporting Pride Progress



GRC-2023-C-03232

Photo by Bridget Caswell

The Rainbow Alliance Advisory Group (RAAG), NASA Glenn's Lesbian, Gay, Bisexual, Transgender, Queer or Questioning, Plus (LGBTQ+) Employee Resource Group, hosted a Progress Pride flag-raising ceremony in honor of LGBTQ+ Pride Month, June 1. Employees gathered for a ceremony at Lewis Field, and a flag was raised at the Neil Armstrong Test Facility. On June 3, RAAG members and allies represented NASA in Cleveland's Pride march, called Pride in the CLE. For more information on the significance of the parade and Pride Month, visit <https://go.nasa.gov/3p2hcKY>.

GRC-2023-C-04722
Photo by Jef Janis

Browns Get to Know NASA Glenn



GRC-2023-C-03867

Photo by Jef Janis

Members of the Cleveland Browns organization stopped at the Simulated Lunar Operations Laboratory during a visit to NASA Glenn's Lewis Field on May 31. The group met with engineers, researchers, and scientists to learn about the center's work and NASA missions. They also stopped in the Flight Research Building, Zero Gravity Research Facility, and Icing Research Tunnel.

Celebrating Juneteenth

NASA Glenn's African Heritage Advisory Group hosted a hybrid Juneteenth celebration from the Administration Building at Lewis Field on June 15. This event featured guest speaker, Charles (CJ) Harkness, pictured, director of spiritual life and previous diversity officer at Baldwin Wallace University. The celebration also included a flag-raising ceremony, line dancing, and a special lunch menu in the Glenn Cafe.



GRC-2023-C-04742

Photo by Jef Janis

2022 AGENCY HONOR AND CENTER **AWARDS**

NASA Glenn held its 2022 Agency Honor and Center Awards Ceremony on May 30. Center Director Dr. Jimmy Kenyon awarded the medals and certificates with assistance from guest speaker Dr. Prasun Desai, deputy associate administrator of NASA's Space Technology Mission Directorate.

Agency Honor Awards

Outstanding Leadership Medal

Lynn A. Capadona
Rodger W. Dyson
James W. Jackson
Konstantinos S. Martzaklis
Felix A. Miranda
Gail P. Perusek
Laurence A. Sivic

Outstanding Public Leadership Medal

Mrityunjay Singh

Exceptional Service Medal

Juan H. Agui
Suleyman A. Gokoglu
Yvette C. Harris
Jason W. Hartwig
Michael W. Henry
Mark J. Hyatt
James H. Jackson
Melissa L. McGuire
Michael Milbert
Eric J. Pencil
Bryan K. Smith
Henry J. Speier
Ryan A. Stephan*
Ulrich Wiedenmannott
James R. Yuko



Capadona



Dyson



Jackson



Martzaklis



Miranda



Perusek



Sivic



Singh



Agui



Gokoglu



Harris



Hartwig



Henry



Hyatt



Jackson



McGuire



Milbert



Pencil



Smith



Speier



Wiedenmannott



Yuko

Exceptional Public Service Medal

Jennifer A. Baumeister
Alexandra M. Bowersox*
Jacob R. Bramley
Larry F. Hambley
Michael L. Harper
Lyle Lilie



Baumeister



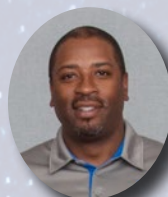
Bramley



Hambley

Exceptional Bravery Medal

John H. Oldham



Harper



Lilie



Oldham



Griffin

Exceptional Achievement Medal

Danielle M. Griffin
Scott A. Hensley
Rochelle L. May
Carl E. Sandifer
Charles J. Sheehee*
Michael J. Zemba



Hensley



May



Sandifer



Zemba

Exceptional Public Achievement Medal

Beth A. Branicky*
Tiberiu G. Fulop
Marcus A. Horning
Michael A. Mackin
Andrew Sexton
Thomas E. Somsak



Fulop



Horning



Mackin



Sexton

Exceptional Engineering Achievement Medal

Mihaela Fulop
Steven L. McCarty
Linda J. Moore
Frank D. Quinn
John W. Slater



Somsak



Fulop



McCarty



Moore

Exceptional Scientific Achievement Medal

David L. Ellis



Quinn



Slater



Ellis



Nessel

Exceptional Technology Achievement Medal

James A. Nessel



Beltran



Hall

Diversity, Equity, Inclusion, and Accessibility Medal

Luis R. Beltran
Nancy R. Hall

*Not pictured

Exceptional Administrative Achievement Medal

Meghan R. Ganss
Patricia A. Gross
Lynn A. Simmons
Patricia A. Weckerly



Ganss



Gross



Simmons



Weckerly

Early Career Achievement Medal

Santino J. Bianco
Dustin J. Dombrowski
William C. Drum
Daniel G. Gerges
Patrick A. Hanlon
Marcus A. Hennekens
Frank J. Kaufhold
Lyndsey B. McMillon-Brown
Jose G. Mendez
Justin L. Milner
Gretchen M. Morales-Valle
Joshua A. Pawlak
Emma L. Pierson
Megan M. Sorrelle
Russell A. Stucke
Colleen O. Van Lear



Bianco



Dombrowski



Drum



Gerges



Hanlon



Hennekens



Kaufhold



McMillon-Brown



Mendez



Milner



Morales-Valle



Pawlak



Pierson



Sorrelle



Stucke



Van Lear

Silver Achievement Medal

Cassandra L. Barnes
John M. Butler
Matthew R. Deminico
Joseph J. Dussling
Natalie Goldin
Quynhgiao N. Nguyen
David A. Rinehart
Tiffany S. Vanderwyst
Bryan W. Welch



Barnes



Butler



Deminico



Dussling



Goldin



Nguyen



Rinehart



Vanderwyst



Welch

Silver Group Achievement Awards

Commercial Supersonic Technology Plug 20 Acoustic Test Team
 Electrical Modeling and Thermal Analysis Toolbox (EMTAT) Development Team
 (HiPER) Propulsion Dynamics Laboratory Team
 NASA GRC Metrology Services Team (Calibration Lab)
 NASA Quantum Metrology and Modeling Team
 NASA Safety Center Course Development and Maintenance Team
 Pressure Gain Combustion (PGC) Research Team
 Space Micro Litigation Support Team
 System Platform for Aggregating Capabilities (SPARC) Team
 VIPER/Griffin Egress Test Prep and Execution Team
 Zero Gravity Research Facility (ZGRF) Transcritical Combustion Team

Group Achievement Awards

Advanced Air Vehicles Program (AAVP) Electrified Aircraft Propulsion Controls Team
 Aero Acoustic Propulsion Laboratory Test Team
 Artemis I European Service Module Certification of Flight Readiness Team
 Commercial Supersonic Technology (CST) X-59 Sonic Boom Wind Tunnel Test Team
 Communications Services Project (CSP) Participant Evaluation Panel (PEP) Team
 Convergent Aeronautics Solutions (CAS) Qtech Team
 GRC X-57 Power Electronics Team
 HOTTech-2 Proposal Formulation Team
 Artemis I European Service Module Auxiliary Engine Qualification Path to Flight Team
 Light Microscopy Module Operations Team
 NASA C-5 High-Power Testbed Development Team
 NASA Electric Aircraft Testbed (NEAT) Team
 Pilatus (PC-12) Acquisition Team
 Power and Propulsion Element Mission Design Team
 Small Spacecraft Electric Propulsion Team
 Spacefan Design and Validation Team
 Star Inspections and Qcard Applications Deployment Team
 TFOME Crane and Lifting Device Team

***Senior Executive
Service Appointment***

Shahab U. Chaudhry
Joyce A. Dever
Frank Gati
Timothy J. Ruffner



Chaudhry



Dever



Gati



Ruffner

***Scientific and
Professional Appointment***

David H. Manzella
Richard C. Reinhart



Manzella



Reinhart



Steinetz

Presidential Rank Award

Bruce M. Steinetz

***Agency Honor Award Recipients From
Mission Support Enterprise Organizations***

Office of Chief Financial Officer

Exceptional Service Medal

Jonathan A. Drexler

Early Career Achievement Medal

Dana H. Ganelli
Connor R. Suba



Drexler



Ganelli



Suba



Meigs

Exceptional Service Medal

Michael M. Tarcson*

Office of Strategic Infrastructure

Early Career Achievement Medal

David G. Meigs



Clark



Russell



Mason

***Office of the Chief Human Capital
Officer Diversity, Equity, Inclusion,
and Accessibility Medal***

Kathy M. Clark

Office of Communications

Silver Achievement Medal

James J. Russell

Space Technology Mission Directorate

Exceptional Service Medal

Lee S. Mason

Career Service Awards

40 Years of Service

Leonard J. Bellisaro
 Gerald M. Bockmiller*
 Gregory T. Buchar
 Kathy M. Clark
 Dale T. Dragony*
 Dale A. Force
 Gene Fujikawa
 Scott R. Graham
 Hung T. Huynh*
 James B. Jackson
 James D. Kiser*
 Peter M. Pachlhofer
 Robert A. Paulin
 Kurt R. Sacksteder
 Harvey L. Schabes
 Kurt A. Shalkhauser
 Bruce M. Steinetz
 Kenneth L. Suder
 Richard E. Tabar
 Charles J. Trefny
 Long V. Truong
 Adrienne H. Veverka
 Raymond P. Wade
 Thomas M. Wallett*
 Brian P. Willis
 Edward J. Zampino*
 Sandra Ann Zolo*



Bellisaro



Buchar



Clark



Force



Fujikawa



Graham



Jackson



Pachlhofer



Paulin



Sacksteder



Schabes



Shalkhauser



Steinetz



Suder



Tabar



Trefny



Truong



Veverka



Wade



Willis

45 Years of Service

Denise L. Ryant
 Nicholas C. Varaljay



Ryant



Varaljay



Micham



Juhasz

50 Years of Service

Michael A. Micham

60 Years of Service

Albert J. Juhasz

*Not pictured

CENTER AWARDS

Steven V. Szabo Engineering Excellence Award

DC Emulator Source/Load Development Team

Arthur G. Birchenough*

Nicolas A. Carbone*

Keith R. Hunker*

Nuha S. Nawash*

David J. Sadey

Mark D. Schmiedlin*

Casey J. Theman*

Craftsmanship Award

Manufacturing Technologies*

W-8 Forward Transition Duct Rakes Team

Timothy A. Dunlap

Christopher R. Metro*

2021 Distinguished Publication Award

Development of Oxide-Based High Temperature
Environmental Barrier Coatings for Ceramic Matrix
Composites via the Slurry Process

Kang N. Lee, Deborah L. Walters,* Bernadette J. Puleo,*
and Gustavo Costa* (NASA Glenn)

Anita Garg* (University of Toledo)

Wayne D. Jennings* (Vantage Partners LLC)

Dagney E. Sacksteder* (The Ohio State University)

Safety Award

Cassey D. Kuhl

Supervisor Award

Leahmarie Koury

Mary S. Reveley

David L. Urban

Exceptional Administrative/Clerical

Performance Award (Contractor)

Victoria Anzalone

Marian Midgett

Renee O'Brokta

GRC Small Business Prime

Contractor of the Year Award

Herndon Solutions Group*



Sadey



Dunlap



Lee



Kuhl



Koury



Reveley



Urban



Anzalone



Midgett



O'Brokta

*Not pictured

Text provided by the 2022 NASA Honor Awards Program.
Photos provided by the Imaging Technology Center.

Gavel Named Rising Star

Benjamin Gavel, Glenn's Office of the General Counsel, received NASA's Rising Star of the Year Award. The award recognizes an attorney with less than 5 years of service at NASA for outstanding legal work during the previous year.



GRC-2023-CN-00009

Photo courtesy of NASA Kennedy

Gavel, left, receives his award from acting General Counsel Pete Polen.



It's Time to Celebrate!

Wednesday, Aug. 9
11 a.m. to 2 p.m.

Along Taylor Road at Lewis Field

Employee Registration closes Friday, July 28.

Retiree Registration: Kathy Clark, 216-433-8354
or kathy.m.clark@nasa.gov

POC: betsy.e.lavelle@nasa.gov

See Inside Glenn for details!

(Rain date: Thursday, Aug. 10)



AUG. 16 AND 17

Showcasing NASA Glenn's past, current, and future contributions to aeronautics research.

Join us for exhibits, models, tours, and networking. See Inside Glenn for details.

Clark Recognized for Achievements

Kathy M. Clark, a human resources specialist in Glenn's Human Resources Office, has been named a 2023 Careers & the disABLED Magazine Employee of the Year. CAREERS & the disABLED Magazine recognizes the professional and personal achievements of outstanding individuals with disabilities.



Clark

Deadline for small items in the August issue is **Wednesday, July 19, noon**.
News and feature stories require additional time.

Astronaut Dr. Drew Morgan Presents Silver Snoopy Awards

On May 17, eight NASA Glenn employees received the coveted NASA Silver Snoopy Award from astronaut Dr. Andrew “Drew” Morgan, who was joined by Associate Director Larry Sivic. The in-person event took place in the MIC Auditorium.

The recipients include Douglas T. Astler, Helen M. Ceh, Randall L. Duvall, Philip T. Gonias (retired), Sonya Lynn Hylton, Kimberly A. Johnson, Olga Kartuzova, and Rochelle L. May.

Morgan served as a flight engineer on Expeditions 60, 61, and 62. He launched from the Baikonur Cosmodrome aboard the Soyuz MS-13 spacecraft on the 50th anniversary of the Apollo 11 Moon landing. During his 9-month mission, Morgan contributed to hundreds of experiments. He conducted seven spacewalks totaling 45 hours and 48 minutes, an American record for a single spaceflight. Morgan gave a special presentation highlighting his mission before presenting the awards.

The Silver Snoopy award, overseen by NASA’s Space Flight Awareness program, is a special honor given to NASA employees and contractors for their outstanding achievements related to flight safety and mission success. The award is given personally by NASA astronauts as it represents the astronauts’ own recognition of excellence and is given to less than 1 percent of the workforce annually. The May 17 event affirmed to employees that the work they perform is appreciated not only by Glenn management, but also by our astronauts.

By Doreen B. Zudell



GRC-2023-C-03665

Photo by Bridget Caswell

Left to right: Duvall, Gonias, Hylton, Astler, Sivic, Morgan, Johnson, Ceh, Kartuzova, and May.

National Aeronautics and Space Administration



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