



# AeroSpace FRONTIERS

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ACTING  
DIRECTOR'S  
SAFETY CORNER

## Taking Time to Reenergize

I am extremely proud of your dedication and commitment to our mission. I also recognize we are still in a period of change and transition, working in a hybrid environment, and experimenting with new tools and interfaces. Dealing with change and getting the job done can result in fatigue. It's important to take time to reenergize, for both your physical and mental health. I encourage you to meet with your supervisor and schedule your leave requests. Given our complex missions, we need everyone to be present, alert, and at their best to stay safe. Please see <https://nsc.nasa.gov/topics/fatigue-prevention> for more information on fatigue prevention.

## 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 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](mailto:doreen.b.zudell@nasa.gov).

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# Belongs to Us

**Glenn's 2022 Safety and Health Awareness Event on Sept. 20 reinforced that diligence to safety practices enables us to care for ourselves while successfully performing NASA's mission. The hybrid event, which kicked off on-site at Lewis Field, included speakers, safety and health presentations, virtual vendor booths, and the annual health walk. Each opportunity supported the theme: Safety Belongs to Us.**

Glenn's Safety and Health Division Chief Steve Herron, welcomed participants, followed by Safety and Mission Assurance Director Gus Martzaklis, who affirmed Glenn's commitment to safety during the pandemic. He noted that on-site occupancy (Lewis Field and Armstrong Test Facility) is now averaging about 60%.

Acting Center Director Dr. Jimmy Kenyon stressed the importance of employees putting their health and safety first and speaking up when they see something wrong. These practices help foster a culture of safety. He encouraged all employees to participate in the NASA Safety Culture Survey, which assists in the center's ability to chart progress toward that goal. Safety and Mission Assurance Directorate staff provided information on the survey during the event.

Keynote speaker NASA Chief of Safety and Mission Assurance Russ DeLoach, focused on the importance of the work we do at NASA and how our impact goes beyond the world of aeronautics and aerospace. This is a responsibility we cannot take lightly.



GRC-2022-C-08192

Photo by Bridget Caswell

Martzaklis, left, reads employees' questions for guest speaker DeLoach.



"We are an agency that takes risks," he said. "But our job is not to avoid risk. It is to avoid recklessness."

In addition to risks related to mission safety, DeLoach accentuated the importance of personal health and safety and the resources available to get help if we need it. At the conclusion of his presentation, DeLoach engaged in a candid Q&A session with the audience and questions sent live through the I/O tool.

By Doreen B. Zudell

## 2022 Health Walk Selfies

Employees took advantage of a beautiful day to walk for fitness and compete for the Golden Shoe award.



GRC-2022-CN-00058

*Phuoc Thai*



GRC-2022-CN-00054

*Rene Fernandez*



GRC-2022-CN-00055

*Jim Mullins and Steve Herron*



GRC-2022-CN-00057

*Jordan Salkin*



GRC-2022-CN-00056

*Mary and Greg Wadel*



# Best Practices for Hybrid Working

On Sept. 21, NASA Glenn hosted a Future of Work Learning Session designed to improve how employees work in a hybrid environment. The event included keynote remarks from Case Western Reserve University Associate Professor Michael Goldberg and NASA Glenn researcher Tiffany Williams. Participants were then invited to attend breakout sessions led by center and agency subject matter experts, who shared best practices on a variety of topics. NASA's Chief Resilience Officer Melanie Saunders and the Agency Future of Work Program Lead Sonia Miller participated in the event.



GRC-2022-C-08267

Photo by Bridget Caswell

Glenn's Michael Moxley, far left, moderated the event. Panelists leading the Leadership/Diversity Discussion breakout session included, left to right, Williams, Miller, Larry Sivic, Christi Tomaro, Saunders, and Matthew Schoewe.

## NEWS AND EVENTS

### Caring for Our Neighbors

NASA Glenn donated over 1,254 pounds of food during the 2022 Feds Feed Families campaign, which ran from August through September. Ryan Brown, chair, reports that Lewis Field collected 1,164 pounds of food for the Cleveland Food Bank. Armstrong Test Facility collected 90 pounds of food donations for the Volunteers of America Crossroads Homeless Shelter in Sandusky. Overall, the agency collected donations totaling 192,466 pounds, which far exceeded our goal of 160,000 pounds. Thank you to all those who gave so generously and to employees that assisted in this important campaign.

## 1,254 lbs. collected!



GRC-2022-CN-00053

Photo by Samantha Yousef

Glenn's Veterans Awareness Committee donated this collection of food for the campaign. Employees across the center contributed to this worthy cause.



GRC-2022-CN-00052

Photo by Rebecca Brown

Feds Feed Families committee, pictured, left to right: Ryan D. Brown, Sam Yousef, Bill Varis, Heather Linden, Lauren Brown, and Jerry Traster. Not pictured: Eliot Aretskin-Hariton, Kelly DiFrancesco, and Bob Laws.



GRC-2022-C-08486

Photo by Bridget Caswell

*Team members from Just the Ducks, who work at an insurance company in Michigan, work on a project to meet a challenge during the Space Apps Challenge at Glenn.*

## Glenn Hosts Space Apps Challenge

Space enthusiasts and problem solvers of all types—including coders, engineers, scientists, designers, storytellers, builders, entrepreneurs, artists, and technologists—joined the international Space Apps Challenge at NASA Glenn, Oct. 1–2. The world’s largest hackathon, the Space Apps gives participants an opportunity to create a team and solve challenges using NASA’s open-source data. The hybrid challenge enabled teams to participate on-site at Lewis Field or virtually through a livestream. This year’s “Make Space” theme celebrated that—at Space Apps, “there’s always space for one more.”

## Snacks at Your Fingertips

Hungry? Thirsty? Need a pick-me-up during the workday? Lewis Field has several beverage and snack items available in vending machines throughout the campus. To locate a vending machine near you, visit <https://nasa.sharepoint.com/sites/glenn-exchange/SitePages/vending.aspx>.



GRC-2022-CN-00051

Photo by Doreen B. Zudell

## Fighting the Flu

Registered nurse and clinical administrator Valerie (Brooke) Piguet, right, administers an Influenza (flu) vaccine to Philip Neudeck. Glenn’s Medical Services Clinic distributed 440 free flu vaccinations to civil servant and support service contract employees from Oct. 5-7 at Lewis Field. For employees who could not make it in for the vaccine, the Medical Services staff encourages you to do so at your local pharmacy or doctor’s office.

### ***On the Cover:***

*Medical Assistant Courtney Mitchell, right, checks in Joseph Nowell for a flu vaccination at Lewis Field.*

GRC-2022-CN-00050

Photo by Doreen B. Zudell







## The 2022 Combined Federal Campaign (CFC) has begun!

**“You Can Be the Face of Change”**

Give today.

POC: [tonya.l.mitchell@nasa.gov](mailto:tonya.l.mitchell@nasa.gov)

For information and to donate, visit  
<https://nasa.sharepoint.com/sites/grc-cfc/>.

## Retirements

**Robert W. Hawersaat**, International Space Station and Human Health Office, Space Flight Systems Directorate, retired Oct. 31, 2022, with 33 years of NASA service.

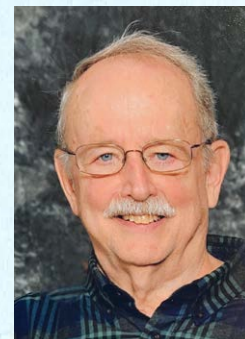


*Hawersaat*

## More Than A Memory

**Lawrence Petraus**, 87, a 1995 retiree with 42 years of service, died Sept. 6, 2022. He began at NASA in 1953 and graduated from the Apprentice Program as a flight propulsion mechanic in 1957. Petraus worked as a mechanic and then as a lead in the Facilities Operation Division from 1959 to 1985. He headed the Materials and Engine Components Branch in the Testing Division from 1985 to 1995. He chaired the Wage Grade Suggestion Award Committee and initiated many novel methods for recognizing employees, which earned him a NASA Exceptional Service Medal (1991).

**David York**, 79, a 2005 retiree with 15 years of service, died Aug. 24, 2022. A software engineer, York served as the chief engineer of the Flight Software Engineering Branch, where he worked on groundbreaking projects that led to advancements in health care and remote learning as a member of the team that developed the first embedded web server. He performed software validation and verification on multiple launch vehicle missions. He led the Electrical Power System Team for Space Station Freedom. York received an Exceptional Service Medal and numerous other awards for his outstanding contributions.



*York*

# Holiday Gathering

Join your co-workers for  
this fun gathering.

Includes 2022  
accomplishments video

Check Inside Glenn  
for details



Send a message of hope to area children by donating an unwrapped toy. Visit Inside Glenn for collection box locations at Lewis Field and Armstrong Test Facility. Boxes will be collected the evening before the Center Holiday Gathering. The drive is coordinated through the Veterans Awareness Committee.

POC: samantha.yousef@nasa.gov

## What is Storm Water Management?



ANNUAL NEWSLETTER

**GRC  
Storm  
Water**

Are you familiar with Glenn's Storm Water Management Program? Check out the new [GRC Storm Water Newsletter](#) to learn more about our center's efforts in protecting local waterways. Share your feedback with the team by taking a brief Storm Water Survey (click [here](#) to participate).

## GLENN HAPPENINGS



### Veterans Day

Friday, Nov. 11

#### INFORMATION CAFÉ

The next Information Café is Wednesday, Nov. 16, from 11–11:45 a.m., in building 142, room 188, or on Teams. Check Inside Glenn for the topic and link.

POC: robin.n.pertz@nasa.gov

#### OUTDOOR SIREN TESTING

Emergency Management Office staff will conduct an audible siren test on the "emergency condition" tone on Saturday, Dec. 3, at Lewis Field. A mass notification voice test at buildings 100 and 302 will be conducted on Wednesday, Dec. 7.

POC: allen.r.turner@nasa.gov



Deadline for short news items is **Wednesday, Nov. 16, noon**. News and feature stories require additional time.

For more information on upcoming events,  
visit <https://nasa.sharepoint.com/sites/grc/SitePages/calendar.aspx>





# Mobile Machine Shop Enables and Inspires Trades

In national student robotics competitions, a damaged robot can crush a team's hard work and dreams of participating in a tournament. Glenn's mobile machine shop helps robotics teams stay in the game by enabling on-site repair of their robots.

The mobile 36-foot trailer allows technicians to weld, machine, or perform sheet metal repairs to a damaged robot and send it back into play. Onboard equipment includes a mill, lathe, drill press, metal saw, belt sander, and generator, an air compressor and arbor press, and metal work tooling and welding equipment.

The mobile fabrication shop arrived at the center in February, thanks to the Robotics Alliance Project based at NASA's Johnson Space Center.

"Competitions for kids who love robotics are like tournaments to kids who love sports," said Brian Brandenburg, Technical Services Branch. "When a robot is broken, it's like the end of the world. That's why the mobile machine shop and technicians are vital to the students' experience and success."

Brandenburg and other engineering technicians in Glenn's Manufacturing Division took the trailer on the road earlier this year to support the FIRST (For Inspiration and Recognition of Science and Technology) Championship in Houston.

During a competition, students provide details to the technicians on what part they need or what needs fixed. The Glenn staff then provide the part or do the repair. The interactions with engineering technicians at these events are excellent opportunities for students to gain insights into career paths for NASA that are vital to mission success.

"The students are fascinated with the equipment in the mobile shop and the technicians' skills," said Brandenburg. "Many of the students do not know about the trades."

The Glenn technicians also took the trailer to Wisconsin this summer for the EAA AirVenture Oshkosh and introduced it to the center during Glenn's Summerfest event. Brandenburg hopes that along with supporting robotics competitions, the trailer will be used in more outreach events to inform and educate the public—and to inspire the next generation of machinists and fabricators.

By Doreen B. Zudell



GRC-2022-CN-00049

Photo by Brian Brandenburg

*The machine shop on wheels.*



GRC-2022-C-07156

Photo by Marvin Smith

*Brandenburg, front right, explains the capabilities of the equipment in the mobile machine shop with Glenn employees during Summerfest.*

## Emergency and Inclement Weather Lines

Lewis Field: 216-433-9328 (WEAT)

Neil A. Armstrong Test Facility: 419-621-3333

## Connect With Glenn

