

Welcome to NASA Glenn Research Center. We hope your visit to our Open House will be fun, safe, and inspirational. Thank you for joining us in celebrating NASA Glenn's 75th Anniversary.

Visitor Reminders

Restricted Areas
All visitors must remain within designated buildings and marked walkways.

Smoking
There is no smoking in any building, within 50 feet of any building, or in areas designated with "No Smoking" signs.

Food and Drinks
No food or drinks permitted inside facilities and activity stops.

In Case of Emergency *CALL 216-433-8888*

Key for Map

Public pavilion	Restrooms
Hospitality tents/information	Food services
Open walking area	Drinking water
Facility tours	Souvenirs/gift shops
Activities for all	I-X Center bus
Children's activities	Courtesy bus
Security/first aid/lost child	West Area tour bus
ATM	ADA, VIP bus
Not wheelchair accessible	Caution Steep Hill

I-X Center bus
All shuttle buses to all parking areas arrive and depart from the Building 3 lot. Buses depart throughout the day. We encourage you to avoid the rush. Starting at 2 p.m. buses will also depart from the West Area to all parking areas.

West Area tour bus
This bus only runs a loop between Building 3 and the West Area bus stop. It will not take you to parking areas.

Courtesy bus
This bus only runs from Building 150 to Building 3. An additional courtesy bus will loop between the Main Campus and the West Area.

**Please give priority to seniors and others with limited mobility.*

Things To Do While You're Visiting

Stop by the Main Exhibit Tent next to our landmark Hangar (Bldg. 4) and view exhibits that highlight the work and research done to support NASA's missions. Watch our local, award-winning NASA-sponsored FIRST robotics team demonstrate their robots on a playing field. Stop by Bldg. 3 to "picture yourself in space," and view historical exhibits at Bldgs. 3, 8, 23, 39, 142, 162, 333, and 334.

Enter the STEM Exploration Zones where children and youth can participate in fun hands-on/minds-on activities and demonstrations. The primary zone is located at Bldg. 8 and demonstrations are also located at Bldgs. 23, 39, 110, 125, 142, 301, 302, and 333 and are highlighted on the map.

Stop by our newest building, the Mission Integration Center (MIC) Bldg. 162, and view multimedia presentations from NASA researchers and special guests. Seating is limited, so please plan ahead. Each session will last 30 to 60 minutes and will include a brief time for questions and answers. Food is also served in the MIC Café.

MIC Auditorium Speaker Schedule

SATURDAY

Start Time	Speaker	Presentations
11 a.m.	Allen Guzik	Advancing Cubesat Technology
11:30 a.m.	Joe Nieberding	The Centaur Story
12 p.m.	Dennis Huff	NASA Glenn's Contributions to Aircraft Noise Reduction
12:30 p.m.	Dionne Hernandez-Lugo	Next Generation Power for the BENEFIT of ALL
1:15 p.m.	Dr. Kirsten Ellenbogen	Great Lakes Science Center's Science Spectacular
2 p.m.	Astronaut Doug Wheelock	Make the Ordinary Come Alive
3:30 p.m.	Nancy Hall	Fluid Physics and Combustion Research on the ISS
4 p.m.	Dr. Daniel Raible	Communicating With Light: A New Dawn in the Information Age
4:30 p.m.	Dr. Geoffrey Landis	Exploring Mars: The Mars Exploration Rovers Mission and Beyond

SUNDAY

Start Time	Speaker	Presentations
11 a.m.	Dr. Geoffrey Landis	Exploring Mars: The Mars Exploration Rovers Mission and Beyond
11:30 a.m.	Joe Nieberding	The Centaur Story
12 p.m.	Dennis Huff	NASA Glenn's Contributions to Aircraft Noise Reduction
12:30 p.m.	Mike Meyer	Development of Electric Propulsion to Revolutionize In-Space Transportation
1:15 p.m.	Dr. Kirsten Ellenbogen	Great Lakes Science Center's Science Spectacular
2 p.m.	Astronaut Carl Walz	From the Space Shuttle to Mars—The Evolution of Human Space Flight
3 p.m.	Dr. Brian Motil	History of Microgravity Research at Glenn Research Center
3:30 p.m.	Sarah Morrison, Gail Perusek, David DeFelice	Working Out and Walking on Other Worlds
4:30 p.m.	Joyce Dever	Materials and Structures: Research and Innovation

**Times are subject to change. Check the 75th Web site for current information at www.nasa.gov/glenn75.*

CONCESSIONS AND ENTERTAINMENT: Watch videos looking back on 75 years of exploration and listen to the Glenn Band, who will play at 11 a.m. and 2 p.m. on Saturday and Sunday. Food and souvenirs will be available to purchase all day.

WEST AREA CONCESSIONS AND ENTERTAINMENT: Head to the West Area lots between Bldgs. 301 and 302 and listen to the JDL Experiment from 2 to 4 p.m. on Saturday and Sunday. Food will be available to purchase all day.

FACILITY TOURS

Thirteen of Glenn's state-of-the-art facilities are open to you.

Bldg. 11, the Icing Research Tunnel, one of our busiest facilities, is where deicing and anti-icing research is conducted.

Bldg. 23, the Engine Research Building (ERB), is home to more than 60 test cells that can be adapted to fit changing research needs: ERB is a valuable resource for the studies of turbomachinery, heat transfer, combustion, tribology, and flow physics. Bldg. 23 is also home to the Simulated Lunar Operations (SLOPE) Laboratory, a 60-foot long, 20-foot wide sandpit filled with simulated lunar soil and a rover testbed.

Bldg. 39, the 9- by 15-Foot Low-Speed Wind Tunnel is the only national facility that can simulate take-off, approach, and landing in a continuous subsonic flow wind tunnel environment.

Bldg. 110, the Zero Gravity Research Facility, is the largest of its kind in the United States and is where Glenn creates a weightless environment.

Bldg. 125, the Propulsion Systems Laboratory, is NASA's only facility for testing full-scale engine systems at flight altitudes.

Bldg. 142, the Graphics and Visualization Laboratory, brings scientific data to life by providing advanced computer imaging and scientific visualization services to the NASA research community. While there, stop by the COMPASS Lab and see how Glenn's multidisciplinary collaborative engineering team produces preliminary spacecraft system designs for space missions.

Bldg. 150, the Aero-Acoustic Propulsion Laboratory, is an acoustically treated geodesic dome that provides an echo-free test site for acoustic/sound measurement for fan and nozzle engine components.

Bldg. 301, the Electric Propulsion Laboratory, contains two large vacuum chambers capable of simulating the environmental conditions of space and has been used to test the performance of ion and plasma engines.

Bldg. 302, the Photovoltaic Laboratory, provides ground-breaking work on fuel cells, solar arrays, and batteries.

Bldg. 333, the Telescience Support Center, is a secure, multipurpose facility designed to provide dedicated support for simultaneous training, simulations, and real-time operations of space experiments on the International Space Station.

Bldg. 334, the Glenn Extreme Environments Rig, is a unique and world-class ground-based test rig that can accurately simulate most atmospheric conditions for any planet or moon in the solar system and beyond.

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All tours and activities end at 6 p.m. Plan your departure—avoid the evening rush!

Thank you for joining us. Please enjoy your visit!