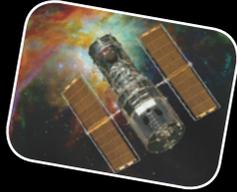


At Marshall Space Flight Center, we...



Create new ways to send human and robotic explorers into space.

Study planets, comets and more to discover how our planet was formed.

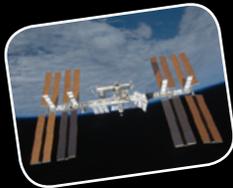


Forecast violent solar eruptions and investigate how they affect us on Earth.



Monitor the Earth to understand climate patterns and improve weather forecasting.

Create air and water recycling systems for space, and coordinate science experiments on orbit.



Work with industry partners to develop innovative technologies.

Motivate and inspire students to consider science, technology, engineering and mathematics careers.

These are just a few of the ways we work to understand our home planet and explore beyond her bounds.

Our innovations save lives, protect the environment, contribute to the economy and expand human knowledge.

Meet some of our Marshall team members who help make all this possible...

National Aeronautics and Space Administration



At NASA, we...

explore the mysteries of Earth,
our solar system and worlds beyond,
create innovative new tools for exploration,
and discover answers that inspire new questions
in a never-ending quest for knowledge.

National Aeronautics and Space Administration
George C. Marshall Space Flight Center
Huntsville, AL 35812
www.nasa.gov/marshall

www.nasa.gov

NP-2010-03-17-MSFC
8-441166b

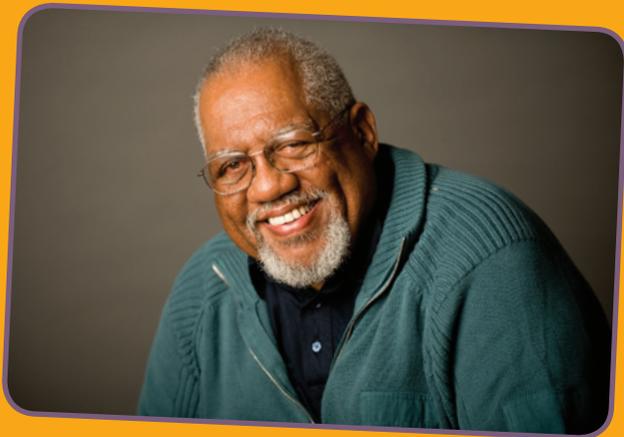
marshall

Marshall Space Flight Center



Sandeep Shah

I am a materials and manufacturing engineer. I mold metals and non-metals to build rockets. I figure out how to construct rockets light enough to lift off the ground but strong enough to survive space travel. To make rockets, huge machines cut and form metal into shapes like domes and panels. Room-size robotic welding machines join the pieces together. It's really gratifying to manufacture large rockets—taller than 30-story buildings—and make them safe enough to carry people to distant worlds.



Don Frazier

I am a chemist. I work with companies to help develop cutting-edge technologies for exploring space. Many of these innovations also help people on Earth. For example, I helped create an energy source that can be printed on paper, using special ink, to create light. NASA can use this energy-efficient technology to provide light inside space vehicles. One day, you might light your entire home with these paper lights!

“We must continually set goals that will challenge the human spirit to the utmost.”

—Dr. Wernher von Braun, October 1967

Erica Jones

I am a contract specialist. It's my job to match NASA expertise with the right business and academic partners to do state-of-the-art science, engineering, and exploration research. By constantly fine-tuning these partnerships to ensure the best, safest, most cost-effective solutions, I help ensure America's continued leadership in space and NASA's role in creating and advancing technologies.



Steve Wofford

I am a rocket engineer. I lead the team that designed one of the most powerful and sophisticated rocket engines ever built—the space shuttle main engine. Although this engine is much smaller than a locomotive engine, its fuel pump delivers as much horsepower as 28 locomotives! If they pumped water, the three main engines together could drain a swimming pool in 25 seconds. I like working at NASA—a world leader in designing rockets for adventures into space.



Barbara Cohen

I am a planetary scientist in a group that studies objects as close as our sun and moon and as distant as quasars. I examine rocks from the moon, Mars and other planets to learn about geology in our solar system over the past 4.5 billion years. The rocks reveal the conditions on the planet at the time they formed and answer many questions. Was there flowing water? How did volcanoes erupt? When did impact craters scar the surface? The rocks tell the planet's story!



Explore more...

To learn the rest of the story from the Marshall team members featured here, visit www.nasa.gov/marshallfaces