

# KENNEDY SPACE CENTER'S SPACEPORT MAGAZINE CONTENTS

- 4.....Kennedy's input to the One-Year Mission
- 11.....Orion crew module processing begins
- 16.....Zinnias set stage for deep-space food crop research
- 20.....More Florida launches on the way
- 25.....Engineer ensures smooth commercial crew touch down
- 30.....Commercial Crew astronaut shares her insight
- 33.....Traveling exhibit touches hearts of Kennedy workers
- 34.....Edgar Mitchell Followed 'The Way of the Explorer'
- 37.....Gemini's first docking turns into wild ride in orbit

Front Cover: A crane lowers the Orion crew module pressure vessel for NASA's Exploration Mission-1 (EM-1) onto a test stand called the birdcage inside the Neil Armstrong Operations and Checkout Building high bay at Kennedy Space Center. Technicians and engineers with Orion manufacturer Lockheed Martin will

begin preliminary checkout of the crew module. The crew module was transported from the Michoud Assembly Facility in New Orleans. The Orion spacecraft will launch atop NASA's Space Launch System rocket on EM-1, an uncrewed test flight, in 2018. Photo credit: NASA/Bill White

To get the latest Kennedy Space Center updates, follow us on our **Blog, Flickr, Facebook and Twitter.**



## THE SPACEPORT MAGAZINE TEAM

Editorial	Writers Group		Creative Group	
Managing Editor .....Amanda Griffin	Anna Heiney	Bob Granath	Richard Beard	Amy Lombardo
Editor.....Frank Ochoa-Gonzales	Kay Grinter	Linda Herridge	Lynda Brammer	Matthew Young
Assistant Editor.....Linda Herridge	Frank Ochoa-Gonzales	Steven Sicheloff	Greg Lee	
Copy Editor.....Kay Grinter				

## NASA'S LAUNCH SCHEDULE

**Date:** March 1, 11:27 p.m. EST  
**Mission:** Expedition 46 Undocking and Landing  
**Description:** One-Year Mission crew members NASA astronaut Scott Kelly and Russian cosmonaut Mikhail Kornienko will conclude 340 days aboard the International Space Station, returning in the Soyuz TMA-18M spacecraft along with Russian cosmonaut Sergey Volkov. Kelly and Kornienko arrived at the station March 27, 2015, and Volkov joined the crew aboard the orbiting laboratory Sept. 4, 2015. Landing is scheduled at 11:27 p.m. ET (4:27 UTC and 10:27 a.m. local time in Kazakhstan on March 2).  
<http://go.nasa.gov/1WSctSC>

**Date:** March 18, 5:26 p.m. EST  
**Mission:** Expedition 47 Launch to International Space Station  
**Description:** NASA astronaut Jeff Williams and cosmonauts Oleg Skripochka and Alexey Ovchinin of Roscosmos launch aboard the Soyuz TMA-20M spacecraft from the Baikonur Cosmodrome to the International Space Station.  
<http://go.nasa.gov/1VHuSAv>

**Date:** March 22, 11:02 p.m. EST  
**Mission:** Orbital ATK CRS-6  
**Description:** Orbital ATK's sixth contracted cargo resupply mission with NASA to the International Space Station will deliver science and research, crew supplies and vehicle hardware to the orbital laboratory and its crew.  
<http://blogs.nasa.gov/orbital/>

**Date:** Sept. 8  
**Mission:** OSIRIS-REx  
**Description:** The mission will study Bennu, a near-Earth asteroid that is about one-third of a mile across. OSIRIS-REx will bring a small sample back to Earth for study. As planned, the spacecraft will reach its asteroid target in 2018 and return a sample to Earth in 2023.  
<http://go.nasa.gov/1ItsRkl>

National Aeronautics and Space Administration

# I am KENNEDY SPACE CENTER

## JOHN FLYNN

I am a software engineer developing system software on the Gateways team for the launch control system, or LCS, under the Engineering Services Contract at Kennedy Space Center. The LCS will be used to launch the Space Launch System, or SLS, and the Orion capsule on future deep-space missions.

On the Gateways team, we are developing the command and telemetry systems that will be used to communicate between LCS and the different stages of the SLS rocket, the Orion capsule and Kennedy ground control systems.

I started working at KSC in July 2014 and am very grateful for the opportunity to work on such an exciting program.

I enjoy programming in my free time, specifically microprocessors for small embedded systems projects which involve a lot of low-level communication, so really one of my hobbies is what I do here, on a communication system for the largest rocket ever built and its payload.

Other than the technical reasons, I enjoy working on LCS because of the experienced engineers I continually am learning from and the interesting and complex problems we have to solve to reach our goals. Our goals as part of LCS are only a part of all the projects working together to reach NASA's and the United States' mission to explore deep space, Mars and other future destinations. It is very exciting to be part of the NASA team.

