



## Northrop Grumman to Demonstrate Advanced Military and Civil Space Technologies at 30th Space Symposium

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REDONDO BEACH, Calif., May 16, 2014 /PRNewswire/ -- Northrop Grumman (NYSE: NOC) will highlight its expertise in protecting the nation, our allies and advancing space exploration at the 30th Space Symposium.

**NORTHROP GRUMMAN**

The forum, held May 19-22 at the Broadmoor Hotel, Colorado Springs, Colorado, invites global leaders to envision the future of space. Northrop Grumman will host the opening ceremony Monday, May 19 at 6 p.m. at the International Center main stage.

The company's exhibit -- No. 600 -- will feature secure military satellite communication products that support military leaders' goals for affordability and resiliency, as well as a range of trail-blazing civil space expeditions led by Northrop Grumman.

The jam-resistant prowess of the Enhanced Polar System payload and low cost terminals will be part of the exhibit. These provide protected communication for tactical fighting forces, powered by Northrop Grumman's advanced architectures for planning and control.

Capabilities to provide the military affordable access to space through the first-ever plug-and-play spacecraft, the Modular Space Vehicle, also will be featured.

The James Webb Space Telescope (JWST), NASA's next great observatory for space exploration; the Starshade that will revolutionize how scientists image exoplanets; and the Lifting Entry/Atmospheric Flight (LEAF) hybrid airship destined to explore the atmospheres of planets and moons will showcase the company's expertise in civil space.

On Wednesday, May 21 at 3:45 p.m. at the International Center Room C-D, Blake Bullock, director, civil air and space business development at Northrop Grumman, will moderate "The Search for Life in the Universe" panel on next generation space technologies and missions. Panelists include:

- Former astronaut John Grunsfeld, associate administrator for the Science Mission Directorate at NASA;
- *Nobel Laureate John Mather, senior project scientist, JWST, NASA;*
- Dave Gallagher, *director for Astronomy, Physics and Space Technology, NASA Jet Propulsion Laboratory;*
- Matt Mountain, *director, Space Telescope Science Institute;* and
- MacArthur Fellow Sara Seager, *professor of planetary science and physics, Massachusetts Institute of Technology*

Additional information about the company's capabilities and programs can be found at <http://www.northropgrumman.com/nss/>

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Amy Akmal, 424-254-6945, [amy.akmal@ngc.com](mailto:amy.akmal@ngc.com)