



## Northrop Grumman Engineers Honored by The Engineers' Council

March 24, 2015

### X-47B named Project of the Year

LOS ANGELES, March 24, 2015 /PRNewswire/ -- Northrop Grumman Corporation (NYSE: NOC) engineers were recently recognized by The Engineers' Council for their significant engineering contributions during the organization's 60th annual honors and awards banquets held during National Engineers Week.



Photos accompanying this release are available at: <http://media.globenewswire.com/noc/mediagallery.html?pkid=31592>.

The Engineers' Council is an independent, nonprofit organization dedicated to advancing the art and science of engineering.

This year, Northrop Grumman's Stuart Linsky, vice president, Space Systems Communication Programs, received the Jack Northrop Spirit of Innovation Award, which honors individual technical contributions that inspire innovation and advance the progress of the aerospace industry.

Northrop Grumman mechanical engineer Ling Wu was honored with the William B. Johnson International Inter-Professional Founders Award, which recognizes professionals who embody the leadership and dedication to the engineering community of Bill Johnson, a founding member of The Engineers' Council.

The company's X-47B Unmanned Combat Air System (UCAS) was named Project of the Year for successfully demonstrating the first-ever launch and recovery of an unmanned aircraft from a carrier at sea and for paving the way for the Navy's future carrier-based unmanned system capability.

"We are tremendously proud of our Engineers' Council Award winners and their important role in pushing the limits to further innovation, drive our economy and preserve national security," said Peggy Nelson, vice president, engineering and global product development, Northrop Grumman Aerospace Systems.

"Our Engineers' Council Award winners exemplify the ingenuity and dedication to warfighters that are at the heart of our business," said Steve Toner, vice president, western region engineering and logistics, Northrop Grumman Electronic Systems. "These accomplished employees continue to push the boundaries of technological innovation and performance, making them very deserving of this prestigious honor."

Northrop Grumman employees who received the Outstanding Engineering Achievement Merit Award are:

- Brent Bateman for hemispherical resonator gyroscope sensors;
- Elizabeth Boroson for sensor fusion for navigation;
- Gabriel Kuhn for inertial sensors and systems; and
- Stuart Scriven for liquid rocket engine performance analysis.

Northrop Grumman employees receiving Distinguished Engineering Achievement Awards are:

- James Campanile for achievements in the field of navigation; and
- Frank Landavazo for advanced inertial reference units.

Additionally, the following Northrop Grumman-led teams were honored with Distinguished Engineering Project Achievement Awards:

- Black Hawk Avionics Model Based Design Software;
- DARPA 1THz Electronics Demonstration;
- E-2D Aerial Refueling Development;
- F-35 Carrier Variant Arresting Hook System Redesign;
- Mission Computer Software Development;
- Polarization Non-Reciprocity Investigation;
- Primary Mirror Backplane Support Structure for the James Webb Space Telescope Program;
- Software Defined GPS Receiver; and
- X-47B Navy UCAS Air-to-Air Refueling Development and Integration.

Northrop Grumman is a leading global security company providing innovative systems, products and solutions in unmanned systems, cyber, C4ISR, and logistics and modernization to government and commercial customers worldwide. Please visit [www.northropgrumman.com](http://www.northropgrumman.com) for more information.

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