

DEPARTMENTS

EDITOR'S NOTEBOOK

Space flight and risk aversion

INTERNATIONAL BEAT

Carbon fibers from thin air; tiltrotor certification; Twin Otter revival

IN BRIEF

Turbine engine prize; Orion heat shield upgrade

ENGINEERING NOTEBOOK

Better helos through active flight control

SPACE 2015

Highlights from Pasadena

BOOKS

Grasping the relationship between humans and machines

OUT OF THE PAST

CAREER OPPORTUNITIES

FEATURES

MAXIMIZING SAFETY

With the U.S. making plans to send humans to an asteroid and Mars, how will NASA and the industry aim to keep the risk of deadly accidents and illnesses to acceptable levels?

by Debra Werner and Anatoly Zak

VIEWPOINT: REVIVE THE SPACE SHUTTLE

Not everyone is content to let the space shuttle recede quietly into history. A NASA veteran is advocating for the development of a fleet of privately operated Commercial Space Shuttle freighters.

by Don A. Nelson

ALL-WEATHER LANDING

The global air transportation industry has historically been slow to embrace new technology, but not so for precision landing these days. Airlines are vying to find the best mix of technologies.

by Philip Butterworth-Hayes

NEW LIFE FOR AN OLD HYBRID

After being passed over to supply the Army with an intelligence and communications airship, Skunk Works hopes the P-791 can pry open the new cargo and passenger market.

by Henry Kenyon

BULLETIN

AIAA Meeting Schedule

AIAA News

AIAA SciTech 2016 Event Preview

AAS/AIAA Space Flight Mechanics Meeting Event Preview

Committee Nominations

ON THE COVER

Delta 4 Heavy carrying Orion crew capsule lifts off for unmanned flight test in December 2014.
Credit: United Launch Alliance

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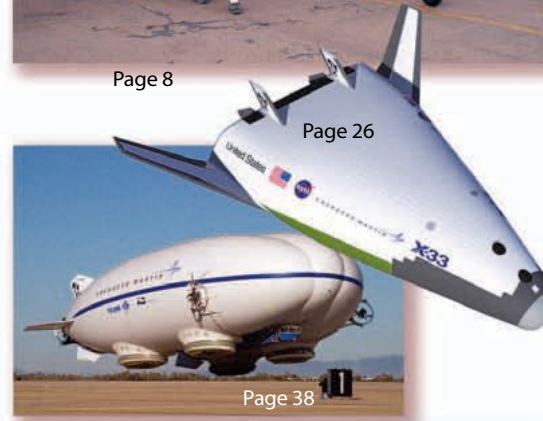
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