

Inside Wallops



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NASA Competition Invites Students to Imagine the Future of Aviation

NASA has announced its aeronautics competition for high school and college students during the 2007-2008 academic year. Students are asked to imagine and write an essay or design a next generation aircraft that could join the commercial fleet in 2058.

High school students should prepare a well-informed essay describing how transportation of goods and passengers might be revolutionized in the 21st century as it was in the 1930s and 1940s by the introduction of the DC-3.

Essays are limited to 12 pages and should address environmental impacts, including reduced noise and emissions, improved operating costs, the use of alternative fuels, passenger and cargo loads, and use of existing general aviation runways.

College students are challenged to design the next generation aircraft.

Design considerations should include environmental impact, daily operations on short runways, passenger and cargo limits,

structure and materials, propulsion, and cost analyses for production and operation.

Proposals should provide details on three or more valid operational scenarios. University-level research papers are limited to 25 pages.

Teams or individuals may enter in either category.

Winners may be invited to a student forum sponsored by NASA's Aeronautics Research Mission Directorate and receive offers of student internships or other prizes, including cash, depending on available funds.

Only U.S. citizens are eligible for cash prizes or NASA-funded internships.



NASA research aircraft.

NASA Photo

NASA uses this competition to foster the next generation of skilled scientists and engineers critical to the future of NASA aeronautics and the broader aeronautics community.

For contest information and submission, visit:

<http://aero.larc.nasa.gov/competitions.htm>



Photo by James Mason-Foley

On behalf of the Wallops Flight Facility, Director John Campbell (left) accepts a photo of the Eclipse Concept Jet from Nick Olmstead, vice president of operations for BaySys Technologies. The photo and a letter of appreciation was presented in recognition of NASA Wallops' support to BaySys, a Wallops tenant, that saw the aircraft go from concept drawings to flight in 200 days.

Wallops Shorts.....

Congratulations

Don Lilly has been selected to head the Facilities Management Branch, Code 228. Lilly replaces Bill Phillips who is now the associate chief of the Facilities Management Division, Code 220.

On the Road

Bruce Underwood and Scott Schaire, NASA Advanced Projects Office, attended the 21st AIAA SmallSat Conference in Logan, UT., last week.

Diversity Council Words to Live By

"It were not best that we should all think alike; it is difference of opinion that makes horse races"Mark Twain

Celebrate Goddard Day

Scott Schaire and Nancy Stevens, NASA Advance Projects Office, and Valerie Mackritis, NASA Aircraft Office, represented the Suborbital and Special Orbital Projects Directorate and the Directorate Diversity Working Group at the annual Celebrate Goddard Day at Greenbelt, Md., on August 1.



Photo by Jean-Marie Denis

The theme this year was “Our Differences Make Us Stronger.”

Mackritis, left, and Schaire, right, also participated in the balloon toss.

Project Management Institute Baltimore Chapter Luncheon Meeting

August 22
11:30 a.m. – 1 p.m.
Building E-2

“A Leadership Case Study Workshop” with guest speaker, Milt Jones. You do not have to be a member to attend.

Did you know?

August 26 of each year is designated in the United States as Women’s Equality Day. Instituted by Rep. Bella Abzug and first established in 1971, the date commemorates the passage of the 19th Amendment, the Woman Suffrage Amendment to the U.S. Constitution, which gave U.S. women full voting rights in 1920.

Women’s Equality Day

August 23
11:30 a.m. – 12:30 p.m.
Bldg. E-2, Williamsburg Room



Catered luncheon featuring guest speaker, Dr. Kim Allen, co-founder of A Friend of the Family, Inc. Dr. Allen will offer insight into parenting, how to provide and support a proper education for your child, age appropriate behavioral and academic performance management. Dr. Allen has a Doctorate in Education and master’s degree in social work and education.

Tickets for the luncheon are \$7 and are available from the Wallops Exchange store in Building E-2 or Amy Strong in Building F-6.

Sponsored by the Professional Development Subcommittee of the Women of Wallops.

Astronauts Prepare for Tuesday Landing

The seven-member STS-118 crew is preparing for its return to Earth aboard space shuttle Endeavour after a successful stay at the International Space Station.



The crew completed tests this morning of Endeavour’s systems and engines that will be used for re-entry and landing. Other activities include stowing equipment and a 30-minute deorbit briefing. The crew will also have some off-duty time to prepare for Tuesday’s landing opportunities.

Endeavour’s first landing opportunity is at 12:32 p.m. EDT at Kennedy Space Center, Fla., with the deorbit burn occurring at 11:25 a.m. A second opportunity is available at the Florida spaceport at 2:06 p.m. The deorbit burn would occur at 1 p.m. White Sands Space Harbor in New Mexico will not be called up for a possible Tuesday landing there. A decision on whether to call up Edwards AFB, Calif., is expected this morning.

Motor Vehicle Safety

A recent change to directive NPR 8715.3B, NASA General Safety Program Requirements, states personnel operating motor vehicles at NASA facilities shall not use hand-held communication devices while the vehicle is in motion.



Exceptions apply only to emergency, security, and fire vehicles during official operations.

Hand-held communication devices include portable radios, cell phones, and blackberries.

Hands-free telephone devices are allowed, but you are encouraged to focus on driving and limit any distractions for safety reasons.

Inside Wallops is an official publication of Goddard Space Flight Center and is published by the Wallops Office of Public Affairs, Extension 1584, in the interest of Wallops employees. Recent and past issues of *Inside Wallops* also may be found at: <http://www.nasa.gov/centers/wallops/news/newsletters.html>

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