



Air Force Association **Technology**

Aerospace technology of the highest order was on display at AFA's annual showcase.



The 2010 AFA Technology Exposition was one of the best-attended in recent years, showcasing equipment geared to the Air Force's anticipated needs. **111** Top USAF leaders cut the ribbon to open the exhibit. At left, visitors swarm the exhibit hall. **121** Booths represented companies producing aircraft, spacecraft, vehicles, ordnance, communications gear, consulting services, uniforms, small arms, publications, and insurance, as well as numerous USAF organizations on hand to explain their missions. **131** An ORS Sat-1 satellite model keeps watch from overhead at the Goodrich Aerospace booth. **141** A pair of F-22 models ride high at Lockheed Martin's booth. **151** FLIR Government Systems showed off some of its sensor equipment. **161** A CV-22 tilt-rotor model at the Bell Helicopter Textron booth shows off the unique configuration of the special operations version.

Photo by Chris Cross



Exposition 2010

Photos by Guy Aceto



111 Visitors to the Boeing display wear special glasses to view a 3-D movie featuring C-17 crews and aircraft performing rescue missions. 121 Special guests included Women Airforce Service Pilots vets. Here, Bee Falk Haydu takes the stick at an Air Force Research Lab hands-on display, while Elaine Harmon watches. 131 A C-27 model comes in for a landing at Alenia's booth. 141 Boeing's notional Joint Dual Role Air Dominance Missile towers over its display. The Air Force is putting a high priority on the air-to-air and air-to-ground missile.

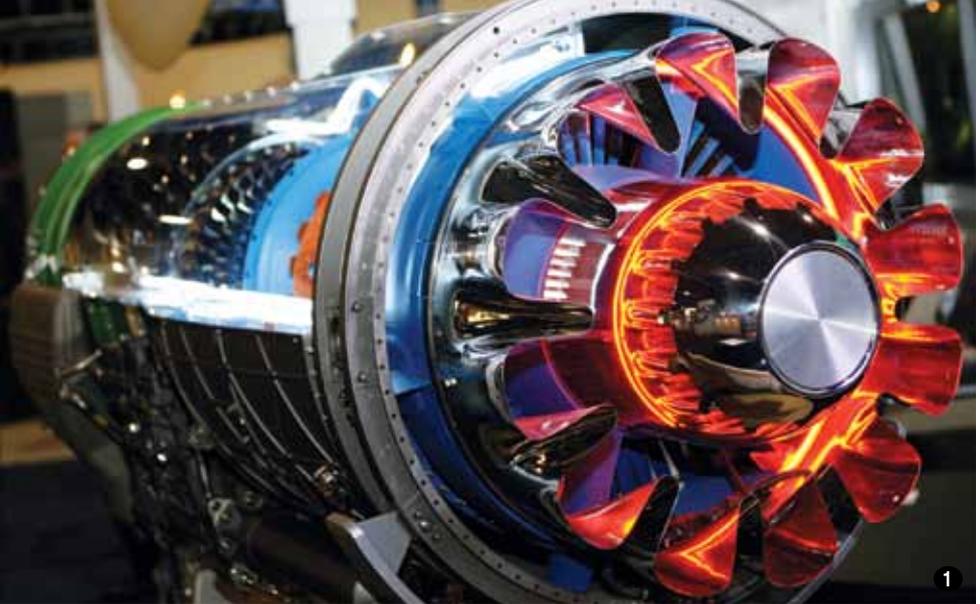


11 Gen. C. Robert Kehler, head of Air Force Space Command, chats with college students at the CyberPatriot demonstration. From left to right are Arnold Air Society and Silver Wing members Kerrienne Gordon-Davy, Kayley Squire, and Kiu Lee. CyberPatriot is AFA's cyber defense competition, underwritten by Northrop Grumman, to stimulate high school- and college-level interest in pursuing careers in cyber defense. *12* Lockheed Martin's Joint Air-to-Surface Standoff Missile, in model form.



13 Maj. Gen. Suzanne Vautrinot, director of plans and policy for US Cyber Command, tours the booths. *14* AgustaWestland brought a mockup of its AW101 combat rescue helicopter's interior. *15* Active electronically scanned array (AESA) radars, in this Raytheon display, offer fighter aircraft superior situational awareness. *16* An EC-130H model, wired with antennae, seems to swoop over visitors at the BAE Systems booth.





11 Honeywell's F124 turbofan engine powers light combat and trainer aircraft. **12** At AFRL's exhibit (left to right) A1C Thaddeus Majtyka, A1C Drake Solomon, and SrA. Maria Carlson, all crew chiefs, get briefed on the Small Diameter Bomb. **13** Boeing's F-15E shows off its ability to carry 20 Small Diameter Bombs, plus sensors and air-to-air missiles. Many models evidenced the trend toward smaller, more accurate weapons. **14** A trio of F-35 models, representing the Air Force, Navy, and Marine Corps versions, show off their ability to carry external stores and internal weapons payloads. **15** Maj. Amy Nesbitt (r), from Air Force Headquarters at the Pentagon,

gingerly handles some nonlethal defensive technology, as Maj. Jennifer Berenger, an Air Command and Staff College student, watches. The Technology Expo continues to offer one of the best all-in-one-place venues in the world to learn about

the Air Force's current and future hardware. ■