

# AVIATIONWEEK<sup>↑</sup>

## & SPACE TECHNOLOGY

### PROPULSION

- 16 E-Fan X demonstrator** will flight-test a complete high-power hybrid-electric propulsion system
- 18 Air Force Research Lab's Grand Power Challenges** seek proposals for future propulsion strategy

### DEFENSE

- 22 Boeing-Bombardier** clash puts Lockheed Martin in the catbird seat to replace Canada's aging fighters
- 24 U.S. military ops** in Middle East benefit from tanker-planning software tailor-made by Silicon Valley
- 25 Northrop Grumman** radar wins over Raytheon's Archimedes for USAF J-Stars Recapitalization

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- 38 FedEx order** for ATR 72-600Fs confirms for the airframer that new freighters can be economical

### MILITARY SPACE

- 30 U.S. Strategic Command** leader says 2020 may not be soon enough for new missile-warning satellites

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*SpaceX Falcon 9 lifts off with the SES-10 satellite from Kennedy Space Center on March 30, 2017, in this image by Photo Contest First Place Space winner Bill Jelen of Merritt Island, Florida.*



### ON THE COVER

*A Swiss Air Force F-5E Tiger II releases flares over the Bernese Alps in the Peter Lewis image awarded Best of the Best in our 26th annual Aviation Week Photo Contest. Also in this issue: U.S. Air Force plots future engine strategy, Airbus plans hybrid-electric X plane, cybersecurity threats challenge aerospace, and January SpaceX launch payload may be a Tesla.*

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## SPACE

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## VIEWPOINT

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## Aviation Week Editor Wins Awards

**Adrian Schofield**, Aviation Week's Asia-Pacific air transport editor (far right), received the Technical Story of the Year award from Peter Hewitt, Asia-Pacific customer manager for Rolls-Royce Australia Services, at the annual Australia/New Zealand aviation media awards in Sydney on Dec. 1. The winning article was a feature on satellite-based technology advances in Australian air traffic control. He also won the New Zealand News Story of the Year award for an article revealing plans for a new airport security system.



SETH JAWORSKI