

## **Boeing Building the Future of Space at International Astronautical Congress 2019**

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Exhibition and symposium in Washington, D.C. to feature Starliner simulator and Astrovan crew transport

### **Media Advisory**

**ARLINGTON, Va., Oct. 14, 2019** — Boeing will participate in International Astronautical Congress (IAC) 2019 next week at the Walter E. Washington Convention Center in Washington, D.C., to celebrate our shared mission with NASA and global partners in this new age of space exploration and transformation.

We are designing and building the future of space by:

- Enabling commercial opportunities and technology research in low Earth orbit with the International Space Station (ISS) and the Commercial Space Transportation (CST-100) Starliner spacecraft
- Supporting NASA's Artemis program, which will return humans to the moon with the Space Launch System heavy-lift rocket, a proposed Gateway lunar outpost, and lunar landers
- Further developing the Space Launch System to send humans to Mars
- Leading the digital transition in the satellite industry with products such as the new, ultra-flexible 702X.

### **Boeing CST-100 Starliner Astrovan**

Exhibit 3009 will contain the Astrovan, built in Ohio by Airstream, that will transport Boeing Starliner astronaut Chris Ferguson and NASA astronauts Nicole Mann and Mike Fincke from crew quarters at Kennedy Space Center to Space Launch Complex 41 at Cape Canaveral Air Force Station in Florida. A "Starliner 101" video will be viewable at the same location, and a Facebook Live event will take place from the Astrovan on Oct. 22.

### **Interactive Elements**

Boeing exhibit 463 will feature the full-size Starliner simulator, in which visitors can attempt to dock the spacecraft with the ISS. Other hands-on displays include an LED wall with 360-degree videos, and a virtual-reality flyby of the ISS.

### **Leadership Presence**

Boeing leaders scheduled to participate on panels and in technical sessions at the show (as listed below) include Space and Launch Senior Vice President Jim Chilton, ISS Program Manager Mark Mulqueen, and Global Sales and Marketing – Space Exploration Director Peter McGrath. Airstream President and CEO Bob Wheeler will be available for interviews on Oct. 22.

Interview requests should be submitted to the contacts listed below; please note that Boeing may not be able to accommodate all requests during the limited time available. We will suggest alternate options where possible.

### **Media Events and Information**

News media attending the show should check for updates at Boeing exhibit 463. Product backgrounders, photos and videos are available through the contacts listed below.

Follow #IAC2019 tweets on [@BoeingSpace](https://twitter.com/BoeingSpace).

*Note: All times listed below are local to Washington, D.C.*

#### Monday, Oct. 21

##### **15:15-15:30 Technical Session: Space Architecture: Habitats, Habitability, and Bases – Room 145A**

Boeing Mission Management & Operations Manager Matt Duggan presents on Boeing NextSTEP habitation efforts in sustainable lunar exploration.

##### **16:50-17:35 Networking Forum: Boeing and Energia: Search for New Forms of Sustainable Cooperation in Space – Grand Ballroom ABC**

Boeing Starliner astronaut Chris Ferguson, Boeing Global Sales and Marketing – Space Exploration Director Peter McGrath, and RSC Energia General Director Nikolay Sevastianov discuss the path forward for international cooperation in space pursuits, as access to commercial and exploration opportunities opens to new countries and companies.

#### Tuesday, Oct. 22

##### **11:45-12:30 Networking Forum: Global Space Policy Issues – Grand Ballroom A**

Boeing Washington, D.C., NASA Programs Director Bill Beckman joins leaders from the Secure World Foundation,

European Commission, OHB SE, the International Institute of Space Law, and Lockheed Martin to discuss public policy issues in the space community, including radiofrequency spectrum management, orbital debris mitigation, space traffic management, space resource utilization, and space competition.

**14:45-15:45 Networking Forum: Commercial Crew Starliner and a Perspective from the ISS– Grand Ballroom A**

Boeing Space and Launch Senior Vice President Jim Chilton moderates a discussion with Boeing Starliner astronaut Chris Ferguson and Boeing ISS Program Manager Mark Mulqueen about how the Boeing CST-100 Starliner spacecraft will enhance the scientific benefits and commercial capabilities of the ISS and other low Earth orbit destinations. The leaders also will provide updates on Starliner's upcoming Pad Abort Test and uncrewed Orbital Flight Test.

Wednesday, Oct. 23

**09:45-09:57 Technical Session: Human Exploration of the Moon and Cislunar Space– Room 145B**

Boeing Space Launch System engineer Benjamin Donahue presents on crewed lunar missions and architectures enabled by the SLS Exploration Upper Stage.

**16:00-17:00 Media Event: Artemis Supplier Panel and Space Flight Awareness Award Presentation– Press Conference Room 206**

Leaders of Artemis program suppliers from across the United States discuss their roles in building NASA's Space Launch System rocket, Orion spacecraft, and Exploration Ground Systems. The 45-minute panel discussion and Q&A will be followed by a NASA astronaut's presentation of Space Flight Awareness Awards to two of the suppliers.

Thursday, Oct. 24

**15:30-15:40 Technical Session: Astrobiology and Exploration – Room 143B**

Boeing research center lead Dr. Jason Armstrong presents on anti-microbial polymer development for spacecraft cabin disease and system contamination.

**15:36-15:48 Technical Session: Advanced Systems, Technologies, and Innovations for Human Spaceflight– Room 151A**

Boeing spacecraft configuration design engineer Xavier Simón presents on lunar lander integration with the Gateway cislunar outpost.

Friday, Oct. 25 – Public Day

**12:30-14:00 Explore Moon to Mars – The Launch Site, Exhibit Hall**

In a "talk show" for young space fans, Boeing Human Spaceflight Systems Engineer Tony Castilleja Jr. joins representatives from NASA, Aerojet Rocketdyne, and Lockheed Martin to explain what deep space exploration entails, from food to communication to the vehicles necessary to reach deep space.

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