



SPACECOM

SPACE COMMERCE CONFERENCE AND EXPOSITION

WHERE NASA, AEROSPACE, AND COMMERCIAL INDUSTRIES COME TOGETHER.

100+ ▶ Exhibitors and Partner Organizations

80 ▶ Experts Speaking

40 ▶ Conference Sessions

10 ▶ NASA Centers Participating

4 ▶ Keynote Presentations

2 ▶ Brand-New Co-Location Conferences

NOVEMBER 27–28, 2018

George R. Brown Convention Center • Houston, TX • www.SpaceComExpo.com

EXPLORE THE NEW MULTI-BILLION DOLLAR COMMERCIAL SPACE INDUSTRY.

SpaceCom 2018 is the only civilian conference and exposition where NASA, aerospace, and industries come together to connect.

Discover where technology and innovation will take us —
both on Earth and in near and deep space.

► SpaceCom provides critical solutions for the following markets:

- **NASA and aerospace.** Develop strong relationships across all NASA Centers and with industry leaders.
- **Industry.** Harness Smart technology and services to improve the tools, machines, devices, and services we use every day here on Earth.
- **Entrepreneurs.** Startups, innovators, and investors raise funds and leverage investments in an exponentially growing commercial space market.
- **International space agencies and companies.** Form partnerships and collaborate on space initiatives with organizations from more than 30 countries.

► Special Co-Location Programs Add Value for SpaceCom Attendees



Italian Innovation and Entrepreneur Days



ANNOUNCE THE

\$100,000* ENTREPRENEUR CHALLENGE

Join early- and mid-stage startups and investors for two days of workshops and activities to stimulate investment and growth in the commercial space sector. Startups will also showcase their cutting-edge technology in a pavilion on the show floor. A challenge will take place during a plenary session, and attendees will vote on a grand prize winner.

Prizes: Grand Prize \$100,000 | Finalists \$20,000 | Remaining Participants \$3,000

**Winners receive dollars' worth of Google Cloud credits.*

To learn more, visit www.SpaceComExpo.com/SES.

► Aerospace and NASA Professionals

SpaceCom, the largest civilian aerospace event developed in collaboration with the NASA and aerospace communities throughout the world, is a critical investment for your career and your professional projects. Here's why:

- **Networking.** Strategize with NASA Center employees and aerospace companies.
- **Best Practices.** A NASA Center Theater will feature presentations from the NASA Centers.
- **Cislunar Program.** Join other leaders in the Cislunar Development Alliance.
- **The Commercial Spaceport Summit.** Exchange ideas with representatives from more than 20 spaceports.
- **CLEE designated education** approved by NASA.

► Commercial Industry Professionals

Discover Smart technology applications that increase commercial business profits. SpaceCom helps professionals from energy, advanced manufacturing, medical, agribusiness, and maritime commercial companies learn how to take advantage of technology from space initiatives to improve products and operations here on Earth.

Join your colleagues in the Smart Energy and Smart Advanced Manufacturing Conferences.

"SpaceCom has become the premier event for the commercial space industry."

— Stuart Martin, CEO,
Satellite Applications Catapult

VISIONARIES LEAD EXCITING CONFERENCE SESSIONS

The SpaceCom conference program fosters connections to help attendees explore new markets, improve profits, and gain insights from experts. Speakers from commercial industry companies, academia, and civilian government organizations lead discussions and exchanges.

This program is a CLEE designated educational event approved by NASA.

Featured Keynote Presentations



JAMES BRIDENSTINE

Administrator, National Aeronautics
and Space Administration (invited)



TORY BRUNO

Chief Executive Officer, United
Launch Alliance



EXPERTS FROM THE ITALIAN SPACE AGENCY



SHRI RAKESH SASIBHUSHAN

Chairman and Managing Director,
Antrix Corporation (ISRO)

Visionary Speakers

Experts from these companies will be leading sessions at SpaceCom:



Booz | Allen | Hamilton



THE CLIMATE
CORPORATION



NANORACKS



NORTHROP GRUMMAN



Schlumberger

SPACEKNOW



View a full list of the conference faculty at SpaceComExpo.com

NEW!

Smart Energy and Smart Advanced Manufacturing Conferences

SMART
ENERGY

SMART
ADVANCED
MANUFACTURING

If you work in commercial industries and are looking for opportunities to improve efficiency and profits in your company, industry, or city, sign up for one or both of our Smart Conferences, which are co-locating with SpaceCom. Explore, understand, and learn how to apply new disruptive Smart technology (IoT, M2M, and AI) in the energy and advanced manufacturing sectors.

We are laying the groundwork for solving the problems of the future. Come learn from professionals across a multitude of industry sectors what emerging technology will be forming the new multi-billion dollar commercial space industry.

CONFERENCE AGENDA

For full session descriptions, visit SpaceComExpo.com

TUESDAY, NOVEMBER 27		WEDNESDAY, NOVEMBER 28	
8:30 AM – 9:30 AM		8:30 AM – 9:30 AM	
Autonomous Medicine	● ● ●	Heavy Lift for Cislunar Commercial Markets	● ●
Emerging Suborbital and Near Earth (LEO) Orbital Services	● ● ●	NASA Innovations — Opportunities for Energy and Medical Industries	● ●
Remote Energy Generation	● ● ● ●	Smart Energy Conference Session 1: Smart Oil and Gas Exploration	● ● ● ●
Smart Advanced Manufacturing Conference Session 1: Benefits from Using New Manufacturing Operational Intelligence	● ● ●	Technology Convergence Panel — Automation and AI	● ● ● ●
Technology Convergence Panel — Data Analytics	● ● ● ●	Technology Convergence Panel — Cyber Security	● ● ●
Technology Convergence Panel — Wearables	● ● ● ●	10:00 AM – 11:00 AM	
10:00 AM – 11:00 AM		Smart Energy Conference Session 2: Smart Drilling and Smart Rigs	● ● ● ●
Smart Advanced Manufacturing Conference Session 2: New Insights Learned from NASA on Improving the Purity and Strength of Materials	● ● ●	10:10 AM – 10:40 AM	
10:15 AM – 10:45 AM		Indian Space Program — A Partner to Nation Building	ALL
KEYNOTE I James Bridenstine, Administrator, National Aeronautics and Space Administration (invited)	ALL	11:00 AM – 12:00 PM	
10:45 AM – 11:05 AM		Smart Energy Conference Session 3: Innovations in Deep Water Robotics	● ● ● ●
KEYNOTE I Italian Space Agency	ALL	11:15 AM – 12:00 PM	
11:00 AM – 12:00 PM		PANEL I Leading Italian Space Agencies	ALL
Smart Advanced Manufacturing Conference Session 3: Large-Scale 3D Printing Applications on Rockets and Engines	● ● ●	1:30 PM – 2:30 PM	
11:05 AM – 12:10 PM		SpaceCom Entrepreneur Summit Pitch Competition	ALL
Key Benchmarks for an LEO Economy	ALL	Smart Energy Conference Session 4: Latest Remote Sensing Technology Applied Across the Energy Supply Chain	● ● ● ●
1:00 PM – 1:45 PM		2:30 PM – 3:30 PM	
NASA Chiefs Forum	ALL	Smart Energy Conference Session 5: Cyber Security Across Oil and Gas Operations	● ● ● ●
1:30 PM – 2:30 PM		2:45 PM – 3:45 PM	
Smart Advanced Manufacturing Conference Session 4: The Value of Optimization of New Remote Service and Remote Monitoring	● ● ●	Future for Commercial Space Habitats	● ● ●
2:00 PM – 3:15 PM		NASA Innovations — Opportunities for the Advanced Manufacturing and Agribusiness Industry	● ● ●
Impact of Space Policy Changes	● ●	Technology Convergence Panel — Radiation Protection	● ● ● ●
Microbes: The Effect on Humans and the Environment	● ●	Technology Convergence Panel — Smart Robotics	● ● ● ●
Technology Convergence Panel — Internet of Things (IoT)	● ● ● ●	4:00 PM – 5:00 PM	
The Evolving Satellite Communications Market	● ● ● ●	Smart Energy Conference Session 6: Smart Refinery Operations	● ● ● ●
2:30 PM – 3:30 PM		4:15 PM – 5:15 PM	
Smart Advanced Manufacturing Conference Session 5: New Additive Manufacturing Materials and Their Application	● ● ●	Access to Lunar Water Resources: The Linchpin of the Cislunar Economy	● ● ● ●
4:00 PM – 5:00 PM		Biotechnology Breakthroughs for Deep Space	● ● ● ●
How the International Space Station Can Benefit Companies Outside of the Space Industry	● ● ● ●	Innovations from the Federal Labs — Opportunities for Commercial Space Industry	● ● ●
Smart Advanced Manufacturing Conference Session 6: Latest Advancements in Applied Robotics and Autonomy in the Manufacturing Process	● ● ●	Technology Convergence Panel — Augmented and Virtual Reality	● ● ● ●
Space Traffic Management and Debris Mitigation Best Practices	● ● ●	LEGEND	
Technology Convergence Panel — Image Processing	● ● ● ●	Advanced Manufacturing	●
Telemedicine	● ● ● ●	Aerospace	●
		Agribusiness	●
		Energy	●
		Investment	●
		Maritime	●
		Medical	●

JOIN THE INDUSTRY LEADERS

Representing Hundreds of Products, Services, and Innovations

Ad Astra Rocket Company

AeroStep

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AirBorn Inc.

Airbus DS Space Systems Inc.

American Composites
Manufacturers Association

American Institute of Aeronautics
and Astronautics

Angelus Funding

ASRC Federal

Astrapi Corporation

Atec, Inc.

Bay Area Houston Economic
Partnership

Benchmark Space Systems, Inc.

Blue Tech Inc., an Apple Value
Added Reseller

Boeing

BWX Technologies

Carahsoft Technology Corp.

Cascade TEK

CASIS

Cemvita Factory

Commercial Spaceflight
Federation

Edge of Space

Engility Corporation

EWI Worldwide

Finosphy, Inc.

Glenair, Inc.

Greater Houston Partnership
GVF

Houston Airport System

Interface Welding

ISPCS

Italian Trade Commission —
Houston

Jacobs Engineering Group Inc.

KBRWyle

Laserline Inc.

Leidos, Inc.

Lockheed Martin

MEI Technologies

National Ocean Industries
Association

National Space Society

Northrop Grumman

Omnetics

Rocket Lab

Satellite Applications Catapult

Space & Satellite Professionals
International

Space Renaissance
International

Spaceport America

Spaceport Colorado

Texas A&M Engineering
Experiment Station

Thermotron Industries

United Launch Alliance (ULA)

United States Energy
Association

University of Houston

Via Satellite

Wind River Systems, Inc.

Winstead PC

As of August 24, 2018



SHOW FLOOR HIGHLIGHTS

All SpaceCom attendees receive free access to the expo hall!

► NASA Center Theater

Tuesday, November 27 | 12:00 PM – 5:00 PM

Wednesday, November 28 | 12:00 PM – 5:00 PM

All NASA Centers are invited to spotlight their market-ready technology to attendees and share best practices and tech transfer opportunities. They will also be showcasing assets available in their facilities as well as new technologies and capabilities that could require new supply chains to develop.

SCHEDULE | Tuesday, November 27

12:00 PM – 12:45 PM.....Marshall Space Flight Center

1:00 PM – 1:45 PM NASA Chiefs Forum

2:00 PM – 2:45 PM Johnson Space Center

3:00 PM – 3:45 PM Ames Research Center

4:00 PM – 4:45 PM Goddard Research Center

SCHEDULE | Wednesday, November 28

12:00 PM – 12:45 PM.....Stennis Space Center

1:00 PM – 1:45 PM Kennedy Space Center

4:00 PM – 4:45 PM Langley Research Center

► ISS Pavilion

Visit NASA's Destination Station, CASIS (founding sponsor), and other ISS partners and join us at the opening reception to celebrate the 20th anniversary of the International Space Station.

► Networking, Demonstrations, and More

There is always something exciting going on at the SpaceCom exposition, whether it's astronaut meet-and-greets, a sample of Moon rock, or robots, to name a few examples. Come be part of the forward-thinking innovators who are changing the way we conduct business, travel, and communicate.

To see the full NASA Center Theater schedule, visit www.SpaceComExpo.com/nasa-center-theater.



Registration Information

Full conference, daily pass, and expo-only registrations are available. To view details — or to register — visit www.SpaceComExpo.com.



Register using the code **SPCTM18**.
Access to the expo hall is free.

SPACECOM 2018 is the only civilian conference and exposition where NASA, aerospace, and industries come together to connect.

Increase Your Competitive Edge

- Build partnerships with international businesses.
- Be part of one of the largest gatherings of NASA personnel attending a civilian space conference.
- Expand your presence in the space commerce industry.
- Discover the NASA Centers' plans for tech transfer during the NASA Center Theater presentations.
- Explore technological advances in commercial industries including energy, advanced manufacturing, maritime, medical, and agribusiness.

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313 S. Patrick St.
Alexandria, VA 22314

► Use this code when
registering: **SPCTM18**

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the commercialization of space.

Don't miss the largest space commerce event of 2018.

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