



March 16, 2017

Brevard County
Board of County Commissioners
2725 Judge Fran Jamieson Way
Viera, FL 32940

To the Brevard County Board of County Commissioners:

For many years now one or more Commissioners has attended the National Space Symposium in Colorado Springs, CO. The Symposium represents the largest and most comprehensive gathering of business leaders in civilian, military and commercial space anywhere in the world. It is the single most target rich environment available for providing a personal marketing opportunity to those individuals who make the decisions on where a project may be established or relocated. Whether to do so is entirely the prerogative of the Commission, but if the decision is made to do so, the Symposium would be the event of choice.

The success witnessed recently on the Space Coast of becoming the global leader in the growing commercial space marketplace is in no small measure the result of a long-term commitment and teamwork between the local, state and federal partners.

The EDC does an excellent job of providing specific information relative to the county's workforce demographics, housing availability and other relevant characteristics that will appeal to the unique demands of each potential project. Every EDC's there does so. However, the opportunity to directly take the measure of the responsible elected officials conveys a distinctive message to decision-makers. This regular appearance and the personal touch of the Commissioners at the Symposium has demonstrated to industry a community culture in Brevard that reflects a welcoming attitude towards aerospace. Space Florida can carry a statewide message, but it is the local community where a business must locate and its employees live.

Again, the decision to participate is up to the Commissioners. And regardless of your decision, Space Florida will continue to support efforts to grow the business of space across the state.

Sincerely,

Frank A. DiBello
President & CEO

sf 17-122-md-fad

SPACE FLORIDA



ECONOMIC
DEVELOPMENT
COMMISSION
FLORIDA'S SPACE COAST

COPY

32ND SPACE SYMPOSIUM
SPACE FOUNDATION

April 11-14, 2016
Colorado Springs, CO

Economic Development Commission of Florida's Space Coast
597 Haverty Court, Suite 40 | Rockledge, FL 32955 | 321.638.2000



32nd Space Symposium
April 11 – 14, 2016
The Broadmoor Hotel, Colorado Springs

Called the National Space Symposium for the first 29 years, the event has been renamed Space Symposium to reflect the event's truly global profile. The Space Symposium is the premier U.S. space policy and program forum, a "must attend" opportunity for information and interaction on all sectors of space -- civil, commercial, and national security. For more information visit <http://www.spacesymposium.org>

Conference Agenda

See the enclosed recommended conference agenda.

April 11 Symposium Opening Night Reception
April 12 – 13 proposed meetings with high level space related company officials at the Symposium

Exhibit Hall Registration Confirmation

Your registration to the conference is confirmed. Badges are listed by last name. Bring your registration QR code for a fast check-in process.

Hotel Information

Your hotel reservations have been made. Cancellation policy is within 72 hours prior to day of arrival.

Doubletree Hotel

Colorado Springs World Arena (Three miles east of event)
1775 East Cheyenne Mountain Boulevard
Colorado Springs, CO 80906
Phone: 719-576-8900
Fax: 719-576-4450

http://doubletree1.hilton.com/en_US/dt/hotel/COSP-DT-Doubletree-Hotel-Colorado-Springs-World-Arena-Colorado/index.do

The Doubletree has a free courtesy shuttle, which can be accessed by calling (719) 576-8900 to request pick up from the Colorado Springs Airport.



32nd Space Symposium
April 11 – 14, 2016
The Broadmoor Hotel, Colorado Springs

Travel to and from Space Symposium

Shuttle bus will pick up at Doubletree about every 30 minutes, beginning on Monday, April 11 and ending on Friday, April 15. Shuttle Bus #1 will travel between Doubletree Hotel and the Lockheed Martin Exhibit Center.

Event Parking

The Broadmoor Hall's parking garage is located adjacent to The Broadmoor Hotel's International Center, and the cost is \$10 per day.

Driving Directions from the Colorado Springs Airport to Doubletree

Hotel

- When exiting the Colorado Springs Airport, head toward Drennan (Milton E. Proby Parkway).
- Turn LEFT onto Hancock heading to I-25 north.
- Take I-25 north to exit 138, Circle Drive.
- Cross under the interstate. The Doubletree Hotel will be on the left side.

Driving Directions from the Colorado Springs Airport to The Broadmoor

Hotel

The Broadmoor Hotel is approximately 15 minutes from the Colorado Springs Airport.

- When exiting the Colorado Springs Airport, head west toward Milton E. Proby Parkway.
- Continue straight on Milton E. Proby past Hancock Expressway and then stay in the left lane to exit to South Academy.
- Follow Academy to I-25 North.
- Take a slight right to merge onto I-25 North toward Colorado Springs.
- Take the next exit 138 for Circle Drive.
- Turn left onto South Circle Drive. Proceed west on Circle, which becomes Lake Avenue, approximately 2.6 miles to The Broadmoor Hotel.

**Flight Itinerary and Cell Phone Numbers
EDC Delegation**

Commissioner Robin Fisher, cell 321-543-3362

Date	Airline	Depart	From	Arrive	To
4/11	AA2466	10:53 am	MCO	12:50 pm	DFW
4/11	AA1513	2:30 pm	DFW	3:21 pm	COS
4/13	AA1513	4:01 pm	COS	6:57 pm	DFW
4/13	AA2321	8:30 pm	DFW	12:08 am	MCO

Commissioner Jim Barfield, cell 321-543-6200

Date	Airline	Depart	From	Arrive	To
4/11	UA 1793	1:06 pm	MCO	2:45 pm	IAH
4/11	UA6008	3:20 pm	IAH	4:44 pm	COS
4/14	UA5261	8:45 am	COS	12:07 pm	IAH
4/14	UA1252	1:14 pm	IAH	4:35 pm	MCO

Commissioner Andy Anderson, cell 321-749-2916

Date	Airline	Depart	From	Arrive	To
4/10	Delta 2801	6:00 am	MLB	7:33 am	ATL
4/10	Delta 1816	8:25 am	ATL	9:51 am	DEN
4/16	Delta 2650	9:32 pm	DEN	10:59 pm	MLB

Commissioner Curt Smith, cell

Date	Airline	Depart	From	Arrive	To
4/11	AA2466	10:53 am	MCO	12:50 pm	DFW
4/11	AA1513	02:30 pm	DFW	03:21 pm	COS
4/14	AA5645	10:20 am	COS	01:15 pm	DFW
4/14	AA1212	02:45 pm	DFW	06:17 pm	MCO

Lynda Weatherman, cell 321-543-7574

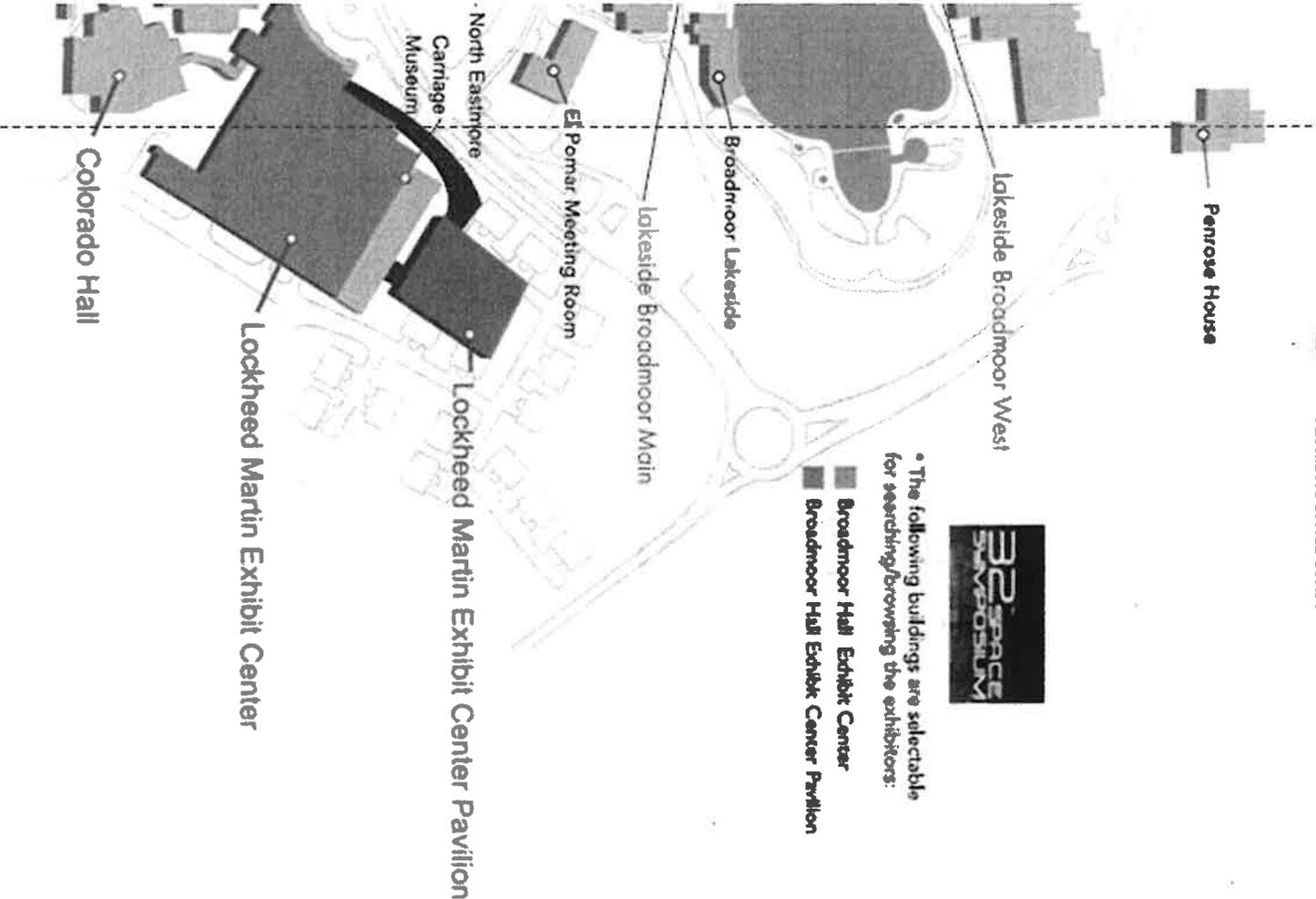
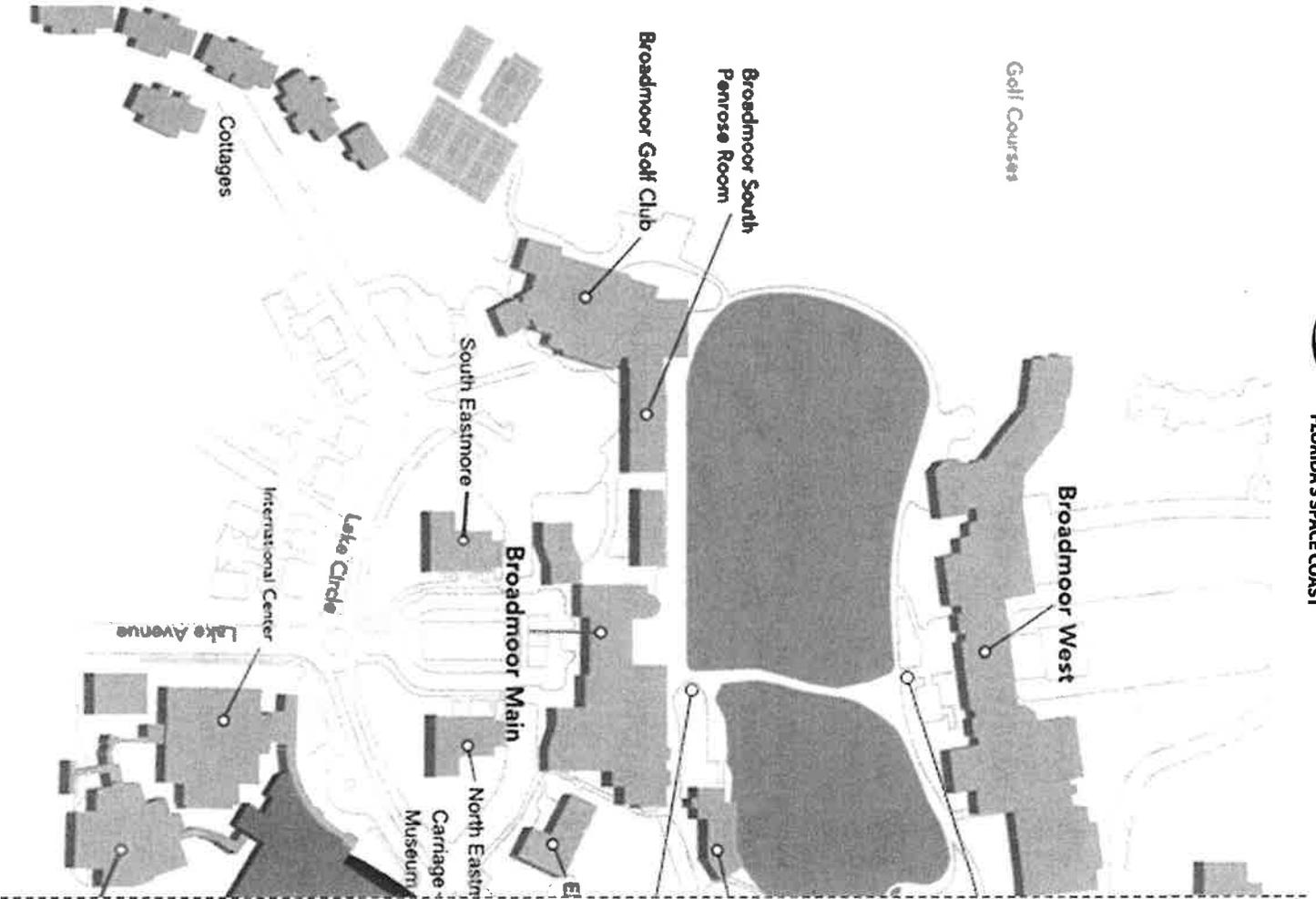
Date	Airline	Depart	From	Arrive	To
4/11	AA1684	7:21 am	MCO	9:15 am	DFW
4/11	AA5711	10:25 am	DFW	11:19 am	COS
4/14	DL4630	8:25 am	COS	10:14 am	SLC
4/14	DL1158	10:45 am	SLC	5:00 pm	MCO



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• The following buildings are selectable for searching/browsing the exhibitors:

- Broadmoor Hall Exhibit Center
- Broadmoor Hall Exhibit Center Pavilion



**ECONOMIC
DEVELOPMENT
COMMISSION**
FLORIDA'S SPACE COAST

32nd Space Symposium
April 11 – 14, 2016
The Broadmoor Hotel, Colorado Springs

**Brevard County Commissioners Andy Anderson, Jim Barfield, Robin
Fisher and Curt Smith and
Lynda Weatherman, EDC Florida's Space Coast**

Recommended Conference & Meeting Agenda

Monday, April 11, 2016

3:00 pm – 4:30 pm	Optional - World Space Week 2016 Session The Broadmoor Hotel – Donald Ross Room
5:30 pm	All Meet in Doubletree Lobby
5:45 pm	All Depart Doubletree Hotel
6:00 pm	All Dinner – Cheyenne Mountain View Restaurant
7:30 pm	All Grand Opening of the Ball Aerospace Exhibit Center and Pavilion



**ECONOMIC
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Tuesday, April 12, 2016

8:00 am	Team to meet in Lobby of Doubletree. Briefing with Lynda Weatherman. Travel to Broadmoor.
8:30 am	Registrant Check-In. Bring QR Code that you received with your registration confirmation and photo ID.
9:00 am – 9:45 am	Meeting with Boeing Broadmoor Main – Top of the Escalators Mr. Bill Beckman, Director of NASA Programs
10:00 am - 10:30 am	Meeting with Space Foundation Broadmoor Main – Lobby Mr. Brendan Curry, VP – Washington Operations
10:45 am – 11:15 am	Meeting with Fed-Ex Space Solutions Lockheed Martin Exhibit Center – Fed-X booth # 411 Kevin Hill, Marketing Specialist Advisor and Melody Lesage.
11:30 am – 12:00 pm	Featured Speaker: Maj. Gen. Charles F. Bolden, Jr., UMSC (Ret.) International Center
12:15 pm – 1:45 pm	The Space Warfighters Luncheon (All Commissioners) Colorado Hall
2:00 pm	Delegation Meet Up - Colorado Hall
2:30 pm – 3:00 pm	Featured Speaker: Jeff Bezos, Amazon Founder & CEO, Founder Blue Origin International Center
2:30 pm – 3:00 pm	Meeting with- Orbital ATK Broadmoor Lakeside – Orbital ATK Suite 2054

3:00 pm – 4:00 pm	Open Time / Walk Exhibit Hall
4:15 pm – 5:00 pm	Optional - Sciencel Panel - Moderator: Bill Nye, CEO, The Planetary Society International Center OR, Walk exhibit hall
5:00 pm – 5:45 pm	Open / Walk Exhibit Hall / Dinner on your own
5:45 pm – 6:00 pm	Meeting with Thales Alenia Space Johanne Lecomte, VP, Sales and Business Development Meet outside of the main doors of the LMC Exhibit Center
Wednesday, April 13, 2016	
8:30 am	Meet in Doubletree lobby/ travel to Broadmoor
9:00 am – 10:30 am	Open Time / Walk Exhibit Hall Stop by JETRO booth at Japan's Space Industry pavilion inside the Lockheed Martin Pavilion Center Meet with Norikazu Mori
10:30 am – 11:00 am	Meeting with SpaceX South Eastmoor – Suite # 2501 Caryn Schenewerk, Sr. Counsel & Director, Government Affairs
11:00 am – 11:30 am	Open Time / Walk Exhibit Hall

11:30 am – 12:00 pm	XCOR Aerospace Mr. Geof Nunn, Programs Director and Ms. Erica Wilder, Program Manager
12:30 pm – 1:00 pm	Meeting with Surrey Satellite Technology US LLC Lockheed Martin Exhibit Center - Private meeting area at Surrey booth #140 Ms. Becky Yoder, CFO
1:10 pm – 1:40 pm	Meeting with United Launch Alliance Lockheed Martin Exhibit Center – ULA booth #823 Chris Chavez, Government Affairs and Community Relations
1:45 pm – 2:30 pm	Open Time / Walk Exhibit Hall
2:45 pm – 3:15 pm	Meeting with Sierra Nevada Corporation's Space Systems Broadmoor West – Champions Room, Lower Level John Olson, VP, Space Systems John Roth, VP, Business Development Steve Lindsey, Senior Director, Space Exploration Systems John Curry, Senior Director, Space Exploration Systems
3:15 pm – 4:00 pm	Open Time / Walk Exhibit Hall
4:00 pm – 5:00 pm	Meeting with Craig Technologies Summit Restaurant outside Lockheed Martin Exhibit Center (Broadmoor Hall) Carol Craig, CEO/CFO Mark Mikolajczyk, President Phil Bryden, Director, Strategic Programs

Company Background Information for Appointments



The Boeing Company

www.Boeing.com

Mr. Bill Beckman, Director of NASA programs

- How can we be supportive of Boeings efforts in commercial space flight?

The CST-100 crew capsule is a spacecraft design proposed by Boeing as their entry for NASA's Commercial Crew Development (CCDev) program. Its primary mission would be to transport crew to the International Space Station, and to private space stations such as the proposed Commercial Space Station from Bigelow Aerospace.

Outwardly it would look much like the Orion, a spacecraft being built for NASA by Lockheed Martin. The CST-100 would be able to support larger crews of up to 7 people as the result of greater habitable interior volume and the reduced weight of equipment needed to support an exclusively low-Earth-orbit configuration. It is designed to be able to remain on-orbit for up to seven months and for reusability for up to ten missions.

NASA has awarded Boeing \$18 million for preliminary development of the spacecraft under its CCDev program. The CST-100 would be compatible with multiple launch vehicles, including the Atlas V, Delta IV, and Falcon.

Boeing is the world's largest aerospace company and leading manufacturer of commercial jetliners and defense, space and security systems. A top U.S. exporter, the company supports airlines and U.S. and allied government customers in more than 90 countries. Boeing products and tailored services include commercial and military aircraft, satellites, weapons, electronic and defense systems, launch systems, advanced information and communication systems, and performance-based logistics and training.



Craig Technologies

www.craigtechinc.com

Carol Craig, CEO/CFO

Mark Mikolajczyk, President

Phil Bryden, Director, Strategic Programs

Craig Technologies achieves stability through diversity and offers a wide scope of award-winning engineering and technical solutions to include Software Design and Development, Systems Engineering and Integration,

Multidisciplinary Engineering, Training and Courseware Development, Modeling & Simulation, Information Technology Support, and Integrated Logistics Support.

Their nationally-recognized Aerospace & Defense Manufacturing Center (ADMC) in Cape Canaveral, FL offers a unique end-to-end design-to-production capability that includes specialty manufacturing, custom avionics, precision machining and fabrication, and test and evaluation services that is supported with over 2,000 pieces of specialty manufacturing and test equipment, experienced engineers, and certified technicians.



FedEx Space Solutions

www.fedex.com/us/space-solutions

Kevin Hill, Marketing Specialist Advisor and Melody Lesage.

Remote sensing. Scientific data. Biomedical research and development. Defense applications. Microspace platforms and communications. These are just a few examples of the innovative and ever-growing use of satellite and space-driven technology. Whatever part you play in this exciting and cutting-edge industry, FedEx Space Solutions has the expertise to help you develop shipping and packaging solutions that maximize your efficiency, minimize costly downtime, and safeguard the delivery of your critical assets.



Griffin Communications

www.griffincommgroup.com

As a full-service agency, Griffin offers clients a wide spectrum of strategic communications services designed to effectively launch and manage winning brands. Our services include research-driven brand development, creative design, social media strategy and implementation, digital campaigns, product launches, event management, media relations and crisis communications.



Orbital ATK

www.orbitalatk.com

Mr. Mark Pieczynski, VP Business Development, Flight Systems Group

Mr. David Broome, VP Congressional Relations

- What kind of support from the community you consider to be the most valuable, a game-changer, when choosing locations for your industrial facilities?
- With 12,000 employees dedicated to the aerospace and defense industry, how do you find and sustain a reliable labor pool?

As a global leader in aerospace and defense technologies, Orbital ATK designs, builds and delivers space, defense and aviation-related systems to customers around the world both as a prime contractor and as a merchant supplier. Orbital ATK main products include launch vehicles and related propulsion systems; satellites and associated components and services; composite aerospace structures; tactical missiles, subsystems and defense electronics; and precision weapons, armament systems and ammunition. Headquartered in Dulles, Virginia, Orbital ATK employs approximately 12,000 people in 18 states across the U.S. and several international locations.



RS&H

www.RS&H.com

Mr. Leslie Lake, Market Leader, Aerospace & Defense

RS&H specializes in launch site and spaceport planning and design including facilities and ground systems. Our designs support both liquid and solid propellant launch vehicles of all sizes including Antares, Dreamchaser, Atlas V, Delta IV, Saturn V, Space Shuttle, and NASA's new SLS to name a few.



Sierra Nevada Corporation's Space Systems

www.sncspace.com

John Olson, VP, Space Systems

John Roth, VP, Business Development

Steve Lindsey, Senior Director, Space Exploration Systems

John Curry, Senior Director, Space Exploration Systems

- What kind of support from the community do you consider to be the most valuable, a game-changer, when reviewing locations for possible relocations or expansions?
- What are your needs or challenges in recruiting or retaining the appropriate talent?



Sierra Nevada Corporation's Space Systems - Continued

Sierra Nevada Corporation's (SNC) Space Systems was formed as a Business Area in early 2009 through the consolidation of the technology and years of experience garnered from SNC's subsidiaries. SNC's Space Systems Business Area provides customers with innovative, responsive and cost effective space products including: Spacecraft Systems, home to the only US small satellite production line and satellite operations center; Propulsion Systems, which include SNC's own green, safe, reliable, hybrid rocket motor tested over 100 times; Space Technologies, sending a mechanism or component to space every 14 days on average totaling 4,000 devices flown on 400 missions without a failure; and Space Exploration Systems, partnering with NASA as part of the Commercial Crew Program to design and build a commercial system capable of transporting crew and cargo to and from low Earth orbit.



Space Florida

www.spaceflorida.gov

Mr. Frank DiBello, President

Mr. Dale Ketcham, Chief of Strategic Alliances

Space Florida is an Independent Special District of Florida created for the purposes of fostering the growth and development of a sustainable and world-leading space industry in Florida.



Space Foundation

www.spacefoundation.org

Mr. Brendan Curry, VP – Washington Operations

Founded in 1983, the Space Foundation is the foremost advocate for all sectors of space, and is a global, nonprofit leader in space awareness activities, educational programs & major industry events, including the annual Space Symposium, in support of its mission "to advance space-related endeavors to inspire, enable & propel humanity." Space Foundation World HQ in Colorado Springs, CO, has a public Discovery Center, including El Pomar Space Gallery, Northrop Grumman Science Center featuring Science On a Sphere® & the Lockheed Martin Space Education Center. The Space Foundation has a field office in Houston & conducts government affairs from its Washington, D.C., office. It annually publishes *The Space Report: The Authoritative Guide to Global Space Activity*, & through its Space Certification™ and Space Technology Hall of Fame® programs, recognizes space-based innovations that have been adapted to improve life on Earth.

SPACEX

SpaceX

www.spacex.com

Ms. Caryn Schenewerk, Sr. Counsel & Director, Government Affairs

- What can Florida do to help SpaceX add operations and job count to the Space Coast?
- Describe your local labor needs.

Under a \$1.6 billion contract with NASA, SpaceX will fly numerous cargo resupply missions to the ISS, for a total of at least 12—and in the near future, SpaceX will carry crew as well. Dragon was designed from the outset to carry astronauts and now, under a \$440 million agreement with NASA, SpaceX is making modifications to make Dragon crew-ready. Profitable and cash-flow positive, the company has nearly 50 launches on its manifest, representing close to \$5 billion in contracts. These include commercial satellite launches as well as NASA missions.

Currently under development is the Falcon Heavy, which will be the world's most powerful rocket. All the while, SpaceX continues to work toward one of its key goals—developing reusable rockets, a feat that will transform space exploration by delivering highly reliable vehicles at radically reduced costs.



Surrey Satellite Technology US LLC

<https://www.sstl.co.uk/>

Ms. Becky Yoder, CFO

Surrey Satellite Technology US LLC is a Delaware-registered company, with its principal offices located in Englewood, Colorado. The company was established in 2008 to address the United States market and its customers for the provision of small satellite solutions, applications, and services.

Surrey Satellite Technology US LLC can build and launch a satellite for any payload under 1,000 kilograms. Surrey customers will be offered a spacecraft solution designed for their needs. In fact, we believe that we are at our best when given the flexibility to advise customers on a complete solution. While we mostly supply both the satellite and payload for our customers, we also undertake to integrate a customer supplied payload within a Surrey-built platform.

THALES

Thales

<https://www.thalesgroup.com/en/UnitedStates>

Johanne Lecomte, Vice-President, Sales and Business Development

From the next-generation cockpit for the i-generation pilot to air/ground smart connections between aircraft and air traffic control systems, airline operations centres and even internet for in-flight entertainment, aircraft connectivity is transforming air transport as we've known it over the last few decades. Thales is the only player in the marketplace with the expertise in avionics, IFE, support & services, ATM systems and cybersecurity needed to understand and develop this new ecosystem.

United Launch Alliance

www.ulalaunch.com

Mr. Chris Chavez, Government Affairs & Community Relations

- What can Brevard County do as a community to support ULA?
- Describe your local labor needs.

ULA is a 50-50 joint venture between Lockheed Martin and The Boeing Company formed in 2006 to provide reliable, cost-efficient access to space for U.S. government missions. United Launch Alliance brings together two of the launch industry's most experienced and successful teams—Atlas and Delta—that have supported America's presence in space for more than 50 years. The United Launch Alliance team consists of approximately 3,400 employees working at sites across the country. Job category functions include program management, engineering, test, manufacturing, launch site operations, mission and business support.

XCOR Aerospace

www.xcor.com

Geof Nunn, Programs Director
Erica Wilder, Program Director

- What kind of support from the community you consider to be the most valuable, a game-changer, when reviewing locations for possible relocations or expansions?
- What are your particular labor needs in the aerospace industry?

XCOR Aerospace is a spacecraft and rocket engineering company based in California and in the process of expanding its corporate and R&D headquarters to Midland, Texas. XCOR develops rocket-propelled vehicles with a focus on the research, development, project management, production, and maintenance of safer, more reliable, reusable suborbital and orbital launch vehicles.

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FLORIDA'S SPACE COAST**



EDC of Florida's Space Coast

597 Haverly Court, Suite 40 | Rockledge, FL 32955

Phone: 321.638.2000 | Toll-Free: 800.535.0203 | Fax: 321.633.4200

www.SpaceCoastEDC.org



**ECONOMIC DEVELOPMENT COMMISSION
OF FLORIDA'S SPACE COAST**

31st

Space Symposium

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**April 13-16, 2015
Colorado Springs, CO**



ECONOMIC DEVELOPMENT COMMISSION
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31st Space Symposium
April 13 – 16, 2015

The Broadmoor Hotel, Colorado Springs

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April 14 – 15 proposed meetings with high level space related company officials at the Symposium

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1775 East Cheyenne Mountain Boulevard

Colorado Springs, CO 80906

Phone: 719-576-8900

Fax: 719-576-4450

http://doubletree1.hilton.com/en_US/dt/hotel/COSP-DT-Doubletree-Hotel-Colorado-Springs-World-Arena-Colorado/index.do

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31st Space Symposium
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EDC Delegation

Commissioner Robin Fisher, cell 321-543-3362

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4/13	UA 5252	5:44 pm IAH	7:02 pm COS
4/16	UA 5266	6:15 am COS	9:35 am IAH
4/16	UA 1537	10:45 am IAH	2:04 pm MCO

Commissioner Jim Barfield, cell 321-543-6200

Date	Airline	Depart From	Arrive To
4/13	AA2290	3:50 pm MCO	5:49 pm DFW
4/13	AA1163	6:35 pm DFW	7:39 pm COS
4/17	AA1508	8:10 am COS	11:05 am DFW
4/17	AA2291	1:30 pm DFW	5:07 pm MCO

Lynda Weatherman, cell 321-543-7574



31st Space Symposium
April 13 – 16, 2015

The Broadmoor Hotel, Colorado Springs

Brevard County Commissioners Robin Fisher and Jim Barfield, and
Lynda Weatherman, EDC Florida's Space Coast

Recommended Conference & Meeting Agenda

Monday April 13, 2015

12:30 pm – Meet with Harris (North Eastmoor, Suite 2807)
1:00 pm

7:30 p.m. Opening Ceremony

7:30 pm Grand Opening of the Ball Aerospace Exhibit Center and Pavilion

Tuesday, April 14, 2015

8:00 am Team to meet in Lobby of Doubletree. Briefing with Lynda Weatherman.

8:30 am Travel to Broadmoor. Pick up badges. Bring your photo ID.

9:30 am - Meeting with Boeing (Broadmoor Main - Carlton Suite, Rm 2)
10:00 am



- 10:30 am – Meet with XCOR Aerospace (XCOR booth, Exhibit Hall)
- 10:45 am
- 11:00 am – Featured Program: Prospects and Issues for the Launch Community (International Center, Main Stage)
- 12:00 pm
- 12:15 pm – Meeting with RS&H (Exhibit Center Pavilion, Booth # 1335)
- 12:45 pm
- *11:00 am – **Walk exhibit floor or Lunch on your own
- 12:45pm
- 1:00 pm Meet at Broadmoor Main Building, Main Floor.
- 1:15 pm – Meeting with Blue Origin (McLean Cottage on the 18th Fairway)
- 1:45 pm
- 3:00 pm – Meeting with CASIS (CASIS booth, Exhibit Hall)
- 3:30 pm
- 4:00 pm – Meeting with Space Command (Colorado Hall, Space Foundation Meeting Room)
- 5:00 pm
- 7:30 p.m. Dinner on your own



Wednesday, April 15, 2015

- 8:30 am Meet in Doubletree lobby – travel to Broadmoor
- **9:00 am – Featured Program: Prospects and Issues for Small Business (International Center – South)
- 10:15 am
- 10:00 am – Meeting with Lockheed Martin (Main Broadmoor, Fourth Level, MacNeil, #2)
- 10:30 am
- 11:15 am – Meeting with SpaceX (South Eastmoor 2501 (SpaceX Suite))
- 12:00 pm
- *12:00 pm – Walk exhibit hall / Lunch on your own
- 1:30 pm
- 2:00 pm – Meeting w/ Ball Aerospace (Broadmoor Main Lobby, top of escalators)
- 2:30 pm
- 3:00 pm – Meeting with NEAR Space and Space Florida (Broadmoor West Bldg, Lower Level, Carration Room)
- 4:00 pm
- 5:00 pm Brevard County Meeting (Broadmoor Main Bldg)

* - Companies Targeting: Aerojet Rocketdyne, Alliance Spacesystems, BAE Systems, Northrop Grumman, Orbital ATK, Raytheon, RUAG Space, Surrey Satellite (see LW)

** - Attend at your discretion. Requires early departure.



ECONOMIC DEVELOPMENT COMMISSION
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Company Background Information for Appointments

Ball Aerospace:

www.ballaerospace.com

Meeting with: Thomas M. Deany, Vice President Communications

Ball Aerospace & Technologies Corp. is an American manufacturer of spacecraft, components, and instruments for national defense, civil space and commercial space applications. The company is subsidiary of Ball Corporation and is based in Colorado. Ball Aerospace employs approximately 2,800.

Blue Origin:

www.blueorigin.com

Meeting with: Scott Henderson, Orbital Site Director

- When will Blue origin make a decision for a launch complex?

Blue Origin, LLC is developing technologies to enable private human access to space at dramatically lower cost and increased reliability. We've adopted an incremental approach, with each development step building on the prior development. The company is currently focused on developing rocket-powered Vertical Takeoff and Vertical Landing (VTVL) vehicles for access to suborbital and orbital space.



ECONOMIC DEVELOPMENT COMMISSION
OF FLORIDA'S SPACE COAST

The Boeing Company:

www.Boeing.com

- How can we be supportive of Boeings efforts in commercial space flight?

Meeting with:

- John Elbon, Vice President and General Manager Space Exploration
- Peter McGrath, Business Development Director, Programs and New Business, Space Exploration
- Virginia Barnes, Space Exploration / BDS Development, Vice President and Program Manager, Space Launch System
- John Shannon, Program Manager, International Space Station
- Frank McCall, Space Exploration / BDS Development, Deputy Program Manager, Space Launch System

Background

The CST-100 crew capsule is a spacecraft design proposed by Boeing as their entry for NASA's Commercial Crew Development (CCDev) program. Its primary mission would be to transport crew to the International Space Station, and to private space stations such as the proposed Commercial Space Station from Bigelow Aerospace.

Outwardly it would look much like the Orion, a spacecraft being built for NASA by Lockheed Martin. The CST-100 would be able to support larger crews of up to 7 people as the result of greater habitable interior volume and the reduced weight of equipment needed to support an exclusively low-Earth-orbit configuration. It is designed to be able to remain on-orbit for up to seven months and for reusability for up to ten missions.

NASA has awarded Boeing \$118 million for preliminary development of the spacecraft under its CCDev program. The CST-100 would be compatible with multiple launch vehicles, including the Atlas V, Delta IV, and Falcon.

Boeing is the world's largest aerospace company and leading manufacturer of commercial jetliners and defense, space and security systems. A top U.S. exporter, the company supports airlines and U.S. and allied government customers in more than 90 countries. Boeing products and tailored services include commercial and military aircraft, satellites, weapons, electronic and



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defense systems, launch systems, advanced information and communication systems, and performance-based logistics and training.

With corporate offices in Chicago, Boeing employs more than 150,000 people across the United States and in 70 countries.



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CASIS:

www.iss-casis.org

Meeting with:

- Greg Johnson, President and Executive Director
- Patrick O'Neill, Marketing and Communications Manager
- Ed Harris, Director of Development and Partnerships

In 2011, NASA chose the Center for the Advancement of Science in Space (CASIS) to be the sole manager of the International Space Station U.S. National Laboratory. The mission of CASIS is to maximize use of this unparalleled platform for innovation, which can benefit all humankind and inspire a new generation to look to the stars.

The organization has been awarded by NASA the responsibility of inciting the imagination of entrepreneurs and scientists alike, accelerating and facilitating space-based research as well as creating public awareness of National Lab research and making space science more accessible to the world.

By carefully selecting research and funding projects, by connecting investors looking for opportunity to scientists with great ideas, and by making access to the station faster and easier, CASIS will drive scientific inquiry toward developing groundbreaking new technologies and products that will tangibly affect our lives.



Lockheed Martin Corporation:

www.lockheedmartin.com

- How can the Space Coast further assist with the federal uncertainty regarding exploration programs?
- What kind of support do you need to grow the Orion program as KSC?
- What kind of support from the community do you consider to be the most valuable, a differentiator, when choosing locations for LMCO programs?

Meeting with: Wanda Sigur, VP/General Manager for Civil Space

Background:

Orion is fully staffed (over 250 employees) at KSC for the on-site assembly function with the heat shield just attached to the stir friction welded frame assembly at the O&C on May 15th. Orion's first orbital flight is slated for the fall of 2014 called EFT-1 on a ULA Delta IV heavy.

The Orion crew capsule was salvaged from Constellation, originally to serve as an escape vehicle for the International Space Station...now referred to as the Multipurpose Crew Vehicle of MPCV which can serve as an escape pod and ISS resupply shuttle, but also as a potential deep space explorer. That means asteroids or possibly Lagrange Points for starters, setting the stage for a future mission to Mars.

Headquartered in Bethesda, MD, Lockheed Martin is a global security company that employs about 115,000 people worldwide and is principally engaged in the research, design, development, manufacture, integration and sustainment of advanced technology systems, products and services.

Lockheed Martin is led by Marillyn Hewson, Chairman, President and Chief Executive Officer.

CUSTOMER BASE: As a global security and information technology company, the majority of Lockheed Martin's business is with the U.S. Department of Defense and the U.S. federal government agencies. In fact,



Lockheed Martin is the largest provider of IT services, systems integration, and

LMCO

training to the U.S. Government. The remaining portion of Lockheed Martin's business is comprised of international government and some commercial sales of our products, services and platforms.

- 2013 Sales of \$45.4 billion, down 4 percent versus 2012
- 2013 Record segment operating profit of \$5.8 billion

In November 2013, LMCO announced plans to close operations in Newtown, Pennsylvania; Akron, Ohio; Goodyear, Arizona; and Horizon City, Texas. LMCO will also close four buildings in the Sunnyvale, California, campus. The important work being performed in these facilities will transition to other Lockheed Martin facilities, with closures expected to be complete by mid-2015.

These decisions followed a review of current facility capacity and future workload projections and are part of an initiative to reduce costs and make products and services more affordable. Since 2008, LMCO reduced overhead costs, cut capital expenses, removed 7.2 million square feet of facility space, and reduced workforce from 146,000 employees to approximately 115,000. The actions announced in November will further streamline facility footprint by nearly 2.5 million square feet



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NEAR Space:

Meeting with:

- General John W. Hawley, USAF, Ret., Chairman and CEO
- Colonel Mo Blackmore, USAF, Ret., Chief Operations Officer
- Brad R. Irwin, Esq., Chief Legal Counsel
- C. Ben Shafer, Esq., Executive Vice President for Strategic Relations
- Errol Bader, Vice President of Business Development
- Adrian Laffitte, Vice President of Systems Development

RS&H:

www.rsandh.com

Meeting with

- Brian Reed – CEO (headquarters in Jacksonville)
- Steve Moore – Senior VP, Aerospace & Defense Practice (Merritt Island office)
- Les Lake – Aerospace Market Leader (Merritt Island office)
- Jeff Hartnett – Aerospace Business Development (Merritt Island office)

RS&H is a fully integrated architecture, engineering, and consulting services firm helping clients realize their most complex facility and infrastructure projects for land, air, and space. Since the 1960s, RS&H's designs for manned and unmanned orbital and suborbital launch facilities, processing buildings, and group support equipment have been instrumental in the advancement of space exploration and technology.



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Space Command:

Meeting with:

- Timothy Leroy, DAFC, Deputy Chief, Space Operations Division
- Gregg Fogarty, Chief, Space Sustainment Division

Air Force Space Command, headquartered at Peterson Air Force Base, supports US military operations worldwide through the use of many different types of satellite, launch and cyber operations.

Space Florida:

www.spaceflorida.gov

Meeting with:

- Frank DiBello,
- Dale Ketcham,
- Bernie McShea,
- Mark Bontrager,
-

Space Florida is an Independent Special District of Florida created for the purposes of fostering the growth and development of a sustainable and world-leading space industry in Florida.



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Space X:

www.spacex.com

- When will Space X Falcon be operational at KSC PAD 39A? Will Space X conduct commercial launches from that site?
- When will there be an official announcement about a commercial launch site?
- What can Florida do to help Space X add operations and job count to the Space Coast?
- Tell us about the recent first stage recovery as well as the potential for engine refurbishment activity at KSC?

Meeting with:

- Barry Matsumori, Senior Vice President, Sales & Business Development
- Stephanie Bednarek, Government Affairs Manager

Background: - 3000 employees

Under a \$1.6 billion contract with NASA, SpaceX will fly numerous cargo resupply missions to the ISS, for a total of at least 12—and in the near future, SpaceX will carry crew as well. Dragon was designed from the outset to carry astronauts and now, under a \$440 million agreement with NASA, SpaceX is making modifications to make Dragon crew-ready. Profitable and cash-flow positive, the company has nearly 50 launches on its manifest, representing close to \$5 billion in contracts. These include commercial satellite launches as well as NASA missions.

Currently under development is the Falcon Heavy, which will be the world's most powerful rocket. All the while, SpaceX continues to work toward one of its key goals—developing reusable rockets, a feat that will transform space exploration by delivering highly reliable vehicles at radically reduced costs.



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XCOR Aerospace:

Meet Erica Wilder, Program Manager

XCOR Aerospace is a spacecraft and rocket engineering company based in California and in the process of expanding its corporate and R&D headquarters to Midland, Texas. XCOR develops rocket-propelled vehicles with a focus on the research, development, project management, production, and maintenance of safer, more reliable, reusable suborbital and orbital launch vehicles.



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EDC of Florida's Space Coast

597 Haverty Court, Suite 40 | Rockledge, FL 32955

Phone: 321.638.2000 | Toll-Free: 800.535.0203 | Fax: 321.633.4200

www.SpaceCoastEDC.org