



COLORADO SPACE ROUNDUP
COLLABORATION
THRIVING IN SPACE

**CONNECTING
& ADVANCING
COLORADO AEROSPACE**

SHARE OUR PASSION FOR SPACE

COLORADOSBR.ORG

20th ANNUAL COLORADO SPACE ROUNDUP



**DENVER MUSEUM OF
NATURE & SCIENCE**

THURSDAY, DECEMBER 6, 2023
2001 COLORADO BLVD, DENVER, CO 80205

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University of Colorado **Boulder**



SPACE FOUNDATION

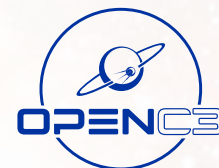
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WELCOME



Welcome 2023 Colorado Space Roundup Participants!

Colorado Space Business Roundtable (CSBR) is thrilled to host the 20th Annual Colorado Space Roundup today, Dec 6th, 2023. We are gathered for our biggest annual event to connect with thought leaders and industry players, to share policy ideas, to reconnect with our Congressional delegation, to meet new companies and individuals, and to shine a light on our STEM and JEDI initiatives. We are excited to see you all here today.

Our Roundup theme this year again is **"Collaboration,"** Colorado's secret weapon. No other state collaborates like we do and they all want to emulate us. The Roundup is all about furthering COllaboration between individuals, companies, elected leaders and educational institutions. We are also supporting "Colorado Innovation Culture," which is another Colorado competitive advantage. Our aerospace community is innovating at a breakneck pace, but all those great ideas need resources to become reality. So, we put together a Capital & Investment panel, designed to help get those great Colorado-based ideas off the ground, so to speak. We hope this panel, in conjunction with a November venture capital event, will address the resourcing needs Colorado innovations. Let us know what you think.

A highlight of the annual Roundup is the Cosmic Contributor award. We are pleased to share that CSBR has selected perennial space supporter, retired Congressman Ed Perlmutter for this year's award. Ed Perlmutter represented Colorado's 7th congressional district from 2007 - 2023. Always a champion of space exploration, Congressman Perlmutter lead congressional efforts to resurrect Orion when NASA's Constellation Program was slated for cancellation in 2010. If Orion had been cancelled in 2010, there might not be an Artemis Program today. Besides losing out on leading international efforts to push the bounds of exploration and technology and to get back to the Moon and on to Mars, the cancellation of Orion and associated programs would have led to the loss of several thousand Colorado jobs and would have been devastating to an estimated 500 Colorado businesses, suppliers, and sub-contractors. We are delighted to honor Ed Perlmutter's numerous contributions at this year's event.

Of course, this event would not be possible without the support of our many sponsors. This year we have several new sponsors and are blessed to have two Gold-level sponsorships from the University of Colorado Boulder Industry Foundation and the Space Foundation; and three Silver-level sponsorships, Astroscale, Boeing, and the Colorado Air & Space Port. We also have many Bronze and Community sponsors and several breakfast and reception sponsors. You can see all the companies that help make this happen for you on pages 2, 4, and 6 inside this program, plus the signage around the event. I feel that their sponsorship shows the vitality and strength of our community and I encourage everyone to visit each of these companies and thank them for their support.

Finally, on a personal note, it has been a fulfilling two years for me as CSBR Board Chair. Over this time, we have strived to provide our members with more content, more value, more interaction, and more of the things they need to succeed. While we have made progress, there is much more to do. As the calendar flips to the new year, I will relinquish the Chair role to Ms. Debra Wilcox. While my role will change, I will remain on the CSBR Board supporting the organization. When you see Debra, please congratulate her and offer your ideas and support for 2024 and beyond. We need diverse and broad contributions to continue the trajectory.

Bob Cone
Board Chair,
Colorado Space Business Roundtable

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2023 AGENDA

TIME	EVENT	SPEAKER(S)	ROOM
9:00am – 9:30am	Roundup Opening & CSBR Board Chair Welcome Colorado Lt. Governor Welcome Cosmic Contributor Award Announcement	Joe Troutman & Bob Cone <i>Lt. Governor Dianne Primavera</i> Bob Cone	Ricketson Auditorium
9:30am – 10:20am	Growth Capital Panel	Mo Islam Trevor McKinnon	Ricketson Auditorium
10:20am – 11:10am	Exhibitor Area Open for Networking		Schlessman / Spratlen
11:10am – 12:25pm	Congressional Update Panel	Chad Vorthman Christie Lee Colorado Congressional Staff	Ricketson Auditorium
11:25pm – 12:35pm	CSBR Member Highlight	Astroscale	Ricketson Auditorium
12:35pm – 12:50pm	Lunch & Networking Welcome Address	Kyle Ellington— Layton Construction Company	Southeast Atrium
12:50pm – 1:20pm	UNCLAS Space Threat Assessment	Col Jared Hoffman— Commander, Joint Intelligence Operations Center-Space	Southeast Atrium
1:20pm – 1:50pm	Inspiring the Artemis Generation through Bold Exploration Missions!	Gary Napier Dr. Kent Chojnacki Rob Chambers Ben Cichy Lakiesha Hawkins	Southeast Atrium
1:50pm – 2:20pm	National Guard CO-laboration & Space National Guard and Fighter Recapitalization	Brigadier General Laura L. Clellan, The Adjutant General Colorado Department of Military and Veterans Affairs	Southeast Atrium
2:20pm – 2:35pm	Transistion to Auditorium & Networking in Exhibitor Area		
2:35pm – 2:40pm	CSBR Member Highlight	CU Boulder Industry & Foundation Relations	Ricketson Auditorium
2:40pm – 3:30pm	Student Ambassador Panel	Debra Wilcox Kristin Thomas Lisa Luedtke Colorado HS Students	Ricketson Auditorium
3:30pm – 3:35pm	CSBR Member Highlight	Colorado Air & Space Port	Ricketson Auditorium
3:35pm – 4:25pm	J.E.D.I Panel	Alires Almon Daudi Barnes Paul Deaderick Jason Michaud Sonia Stovall Joseph Thiede	Ricketson Auditorium
4:25pm – 4:30pm	CSBR Member Highlight	vcfo	Ricketson Auditorium
4:30pm – 5:30pm	Networking Reception		Diorama Hall, 2nd Floor
5:30pm	Happy Hour—Atomic Cowboy Sponsored by Red Canyon Software		

Thank You Additional Sponsors

BREAKFAST SPONSORS

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Orion's Belt Engineering
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RECEPTION SPONSORS

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Growth Capital Panel

9:30am – 10:20am

Moderator:

Mo Islam, Co-founder, Payload Space

Panelist:

Trevor McKinnon, Director, KAL Capital

2020-2022 was a banner time for investing in the aerospace industry, with high valuations and aggressive funding rounds, the industry saw an unprecedented infusion of capital through mergers and acquisitions, SPACs, and traditional raises. In addition to private investment, the government also plays a critical role in the development of technologies vital to national security through non-dilutive capital and public-private investment matching. As technologies mature and more companies enter the market, we look at how to leverage these investment mechanisms for various growth stages.



Mo Islam is the Co-Founder of Payload, the leading digital media company in the space industry. Prior to Payload, Mo was a senior member of J.P. Morgan and Deutsche Bank's institutional wealth platform where he raised over \$250 million of strategic capital for growth-stage technology companies across aerospace, agtech, biotech and renewable energy.



Trevor McKinnon began his investment banking career in 2017 where he focused on defense and space M&A transaction advisory throughout the middle-market. He then transitioned to the company-side, holding corporate development and operational strategy roles within avionics and autonomous systems ventures—including Hover Inc and Reliable Robotics. Today, Mr. McKinnon serves as the Director of KAL Capital's critical & emerging technologies advisory practice—launched in 2023—providing comprehensive capital raise, M&A, and strategic advisory to founders in the defense and space innovation ecosystem.

Congressional Update Panel

11:15am - 12:25pm

Moderators:

Chad Vorthmann, **Government Relations, Lockheed Martin Space**
Christie Lee, **State and Local Affairs Director,**
United Launch Alliance,

Panelists:

Congressman Crow (*virtual*)
Congressman Neguse (*virtual*)
Congressman Lamborn (*virtual*)
Office of Senator Bennet
Office of Senator Hickenlooper
Office of Congresswoman Pettersen
Office of Congresswoman Boebert
Office of Congressman Buck (*invited*)
Office of Congresswoman DeGette (*invited*)
Office of Congresswoman Caraveo (*invited*)

Come hear from our Colorado Congressional offices about the issues facing the aerospace industry. Learn what we as an industry can do to back our congressional members in their support of aerospace.



SAVE THE DATE 

AEROSPACE DAY
AT THE COLORADO CAPITOL

Monday, March 4th, 2024
9:00 a.m. - 6:00 p.m.
200 East Colfax Ave, Denver, CO 80203

Contact: Lisa Luedtke
lisa.r.luedtke@lmco.com | 720.835.8748

Co-hosted by:

Exploration Keynote Speaker

12:50pm - 1:20pm

Speaker:

Colonel Jared A. Hoffman,
Commander, Joint Intelligence Operations Center-Space



Colonel Hoffman was selected to Inter-Service Transfer in the US Space Force in October 2021 as an ISR Officer. Colonel Hoffman originally commissioned in the U.S. Army Infantry through Army ROTC and branch transferred to the Military Intelligence Corps in 2002. His recent assignments include Executive Officer to the Director's Advisor for Military Affairs, ODNI, Mclean VA; Commander, 522d Military Intelligence Battalion, Wiesbaden, Germany; Chief, Intelligence Initiatives, U.S. Army Europe, Commanders Initiative Group; and Foreign Affairs Officer, U.S. Department of State, Bureau of East Asia and Pacific Affairs, Office of China, Taiwan, and Mongolia, Washington, D.C.

Colonel Hoffman's other command assignments include Commander of Alpha Company and later Headquarters and Headquarters Company 203rd MI BN (TECHINT), Aberdeen Proving Grounds, MD.

Colonel Hoffman held Key staff assignments as the Battalion S3, 203rd MI BN (TECHINT) Aberdeen Proving Grounds MD; Battalion Executive Officer (XO) and later Battalion S3, 719th MI BN (SIGINT)/Field Station Korea, 501st MI BDE, Pyeongtaek, Korea; Chief Weapons of Mass Destruction (WMD Intelligence, 8th Army G2, Seoul, Korea; Chief Analysis and Control Element (ACE), 501st MI BDE, Pyeongtaek, Korea; Brigade S3, 501st MI BDE, Seoul Korea. Colonel Hoffman has also deployed in Support of OEF and OIF as a Staff Intelligence Officer.

Colonel Hoffman holds a Bachelor of Arts degree from Louisiana State University and a Master of Military Art and Science degree from The Air University. He is a Distinguished Graduate of the College of International Security Affairs, National Defense University. His military education includes: The Infantry Officer Basic Course, the Military Intelligence Captains Career Course, the Air Command and Staff College, and Senior Service College.

His awards and decorations include: The Defense Superior Service Medal, Bronze Star Medal, Meritorious Service Medal, Joint Service Commendation Medal, Parachutist Badge, and the German Armed Forces Badge in Gold.

Colonel Hoffman is married to Hyun Kyung Hoffman née Lee. They have one son, James Hoffman.

Inspiring the Artemis Generation through Bold Exploration Missions!

1:20pm - 1:50pm

Organizers:

Stacey DeFore, Strategy & Business Development Principal,
Lockheed Martin Space

Agustin Solivan, Strategy & Business Development Communications,
Lockheed Martin Space

Moderator:

Gary Napier, Senior Manager Communications,
Lockheed Martin Space

Speakers:

Dr. Kent Chojnacki, Deputy Manager of Human Landing System
(HLS) Program Office, NASA Marshall Space Flight Center

Rob Chambers, Director of Strategy Human & Scientific
Exploration Lockheed Martin Space

Ben Cichy, Senior Director of Lunar Systems Engineering
& Integration, Blue Origin

Lakiesha Hawkins, Moon to Mars (M2M) Program Office,
NASA Headquarters Exploration Systems Development
Mission Directorate

We will explore the audacious missions, groundbreaking technologies, and unwavering determination that promises to inspire the next generation of space pioneers! This candid exchange will focus on human exploration from industry and academic partners to the robust NASA Artemis missions that will land the first woman and first person of color on the lunar surface using innovative technologies in collaboration with commercial, academic and international partners. We'll bring together space thought leaders to delve into the remarkable advancements, challenges, and future possibilities of human space exploration. From the ambitious NASA Artemis program, which aims to return humans to the Moon, pave the way for crewed missions to Mars, to the technological innovations and scientific discovery.



Security Keynote Speaker

1:00pm – 1:30pm

Speaker:

Brigadier General Laura Clellan,
Executive Director—Department of Military and Veterans Affairs,
Governor's Cabinet Member

Brigadier General Clellan will discuss how the National Guard acts as a workforce pipeline for Aerospace and Defense industries, and how the National Guard and employers can work together to capitalize on each other's workforce's and leverage expertise between part-time military and full-time aerospace employees and also the Space National Guard and Fighter Recapitalization.



Brigadier General Laura Clellan is The 44th Adjutant General of Colorado. Appointed by the Governor of Colorado, General Clellan serves as the Executive Director of the Department of Military and Veterans Affairs and is a member of the Governor's Cabinet. The DMVA consists of the Colorado National Guard, the Division of Veterans Affairs, and the Colorado Wing of the Civil Air Patrol totaling more than 6,700 Soldiers, Airmen, State employees, and Volunteers. As Adjutant General, General Clellan is responsible for the operation and management of readiness, fiscal, personnel, equipment, and real property resources of the Department, and ensures the training readiness of all personnel

to accomplish both state and federal missions. Additionally, General Clellan is responsible for supporting the State Partnerships with Slovenia and Jordan and a strategic partnership with Israel's Home Front Command.

Student Ambassadors Panel

2:40pm - 3:30pm

Moderators:

Kristin Thomas, COO, Red Canyon Software, Inc.

Debra Wilcox, Founder, Creative Manufacturing

Lisa Luedtke, State and Local Government Relations—Space,
Lockheed Martin Space



Speakers:

Daniel Parker, Manitou Springs High School

Jonathan Nayberg, Jefferson Academy Secondary School

Kaushik Chandana, Niwot High School

Joshua Nageli, Colorado Connections Academy

Quinn Sharp, Niwot High School

Peyton Vincer, Liberty Common High School

Kacie Whelan, Fountain Fort Carson High School

Logan Yetka, Denver South High School

Caleb Woldemichael, DSST Montview High School

Emmy Longmire, Evergreen High School

Young professionals are the innovators, developers, and leaders of our future workforce! CSBR is engaging today's students to mentor them to be our A-team co-workers of tomorrow. Join us to hear about the past, present, and future of the CSBR Aerospace Internship & Ambassador Programs and learn about the curiosities that our Student Ambassadors are researching. These inquisitive minds will be sharing about their explorations, like: biological manufacturing in space, 3-D printed medical instruments, custom rocket propellant formulas, sustainability, space junk cleaning systems, and more!

J.E.D.I. Panel



3:35pm – 4:25pm

Moderator:

**Alires Almon, Founder, Deep Space Predictive;
Chair, CSBR Space J.E.D.I. Council**

Speakers:

Daudi Barnes, Founder/President/CTO, Agile Space industries

Paul T. Deaderick, Senior Project Leader, The Aerospace Corporation

Jason Michaud, CEO, Stardust

Sonia Stovall, CEO & Founder, No Offense, LLC

Joseph Thiede, Vice President, Commercial Banking 5-Star Bank



Space J.E.D.I. Creating the Space for Organizational Success

This panel will focus on the many aspects of Justice, Equality, Diversity, and Inclusiveness (J.E.D.I.) in the workplace. Panelists share their stories of challenges and success from the C-suite to workforce development in rural communities. The audience will be led in a prompted learning experience as part of the panel time. Thank you to 5 Star Bank for their sponsorship of the CSBR J.E.D.I. initiative and becoming our first corporate J.E.D.I. Council member.





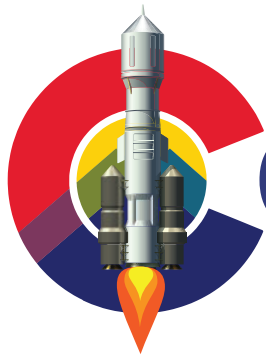
**Want to be a part of this kind of energy
and enthusiasm for Colorado Aerospace?**

Join the Colorado Space Business Roundtable!

**We offer membership options for
students, educators, government / military,
individuals, and groups.**

Scan this QR code for more details ...





COLORADO SPACE ROUNDUP COLLABORATION THRIVING IN SPACE

The Colorado Space Roundup Committee and CSBR Board of Directors would like to thank everyone who participated this year to make this program a success! Your participation and financial contributions are integral to our efforts to assemble events of this caliber.

***We could
not do it
without you!***

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**CSBR applauds
all the support
for the amazing
contributions to
the Colorado
aerospace industry
in 2023, and we
are looking forward
optimistically to
2024!**

SAVE THE DATE!

Colorado Aerospace Day at the Capitol
March 4, 2024



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