



**GOVERNOR'S
AWARD**
for High-Impact Research



**What people are saying about the
CO-LABS 2016 Governor's Award for High-Impact Research
October 6, 2016**

"What I love about CO-LABS is you have an ecosystem of scientists working on a vast array of difficult and perplexing problems, and yet they talk to each other, they work with each other, they inspire each other. As Governor I take great pride that we are in the foundational position to address so many societal challenges. On behalf of the entire state of Colorado want to extend congratulations and appreciation for all that all of you do, especially the winners."

- **Colorado Governor John Hickenlooper**



"CO-LABS is a unique organization with a crucial mission - to advance the national and international competitiveness of Colorado. It does this through coordinated education and collaboration efforts between the state's federally funded research centers, state universities, local governments and a closely interconnected business community. This role is vital because the Colorado labs have a huge economic, civic, and scientific impact on the state. Colorado residents and workers are among the many beneficiaries of research conducted at these institutions. So too are the many companies that locate in Colorado to be near federal and academic research centers."

- **Peter F. Green, Deputy Laboratory Director of Science and Technology, National Renewable Energy Laboratory (NREL)**



"Having just moved from the greater Washington DC area where there are a number of Federal labs and research universities that hold considerable potential for collaboration, **I was most impressed with the**



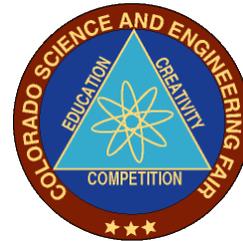
efforts within CO-LABS that move beyond just mere potential and are actively working toward and supporting the synergies within Colorado across research institutions, the private sector, and government

laboratories. In my new position at UCAR I look forward to working with my colleagues in the region to further advance such collaborations at both the state and Federal levels."

- **Dr. Antonio Busalacchi, President, University Corporation for Atmospheric Research (UCAR)**

2016 CO-LABS GOVERNOR' AWARD FOR HIGH-IMPACT RESEARCH TESTIMONIALS

“Board members from the Colorado Science and Engineering Fair (CSEF) and winners from the 2016 CSEF were honored to be included as special guests at the Governor’s Award for High-Impact Research ceremony. We were intrigued to hear about the cutting edge research that is going on in Colorado right now and be able to talk with those scientists personally. ***It was also inspiring to know that being a scientist is valued and celebrated in Colorado.***”



- Courtney Butler, Director, Colorado State Science Fair



“The Governor’s Awards for High-Impact Research showcase the best of Colorado. They illustrate Colorado’s impact leading global research, the State’s to collaboration across stakeholders, and the brilliant minds leading our labs and universities. ***I would not miss this event, as it***

is not only inspiring, it makes me proud to be part of Colorado’s research community!”

- Erik Mitisek, Colorado’s Chief Innovation Officer & Board Chair, Colorado Innovation Network



Colorado Governor John Hickenlooper with Award winners from the Centers for Disease Controls



“UNAVCO is pleased to participate in CO-LABS, an organization that shines a light on the importance of the science that is supported by the Front Range federal laboratories. For UNAVCO, CO-LABS brings us great value via networking,

exploring common interests, and participating in this rich science community. ***The Governor’s Award event is particularly gratifying, as we celebrate the science successes of our peers.*** What a treat it is to have a Governor who understands the societal and economic benefits of science and engineering!”

- Meghan Miller, President, UNAVCO

“The CO-LABS event was certainly the place to be. Not only did we get to witness some wonderful projects accept awards from Governor Hickenlooper, but we also had the opportunity to meet people from other laboratories who can make things happen. I met someone I didn't know previously from NREL and learned that they are doing some smart vehicle work that I wasn't aware of that is quite synergistic with some research at my own lab. ***With the trade of our business cards, I expect a new collaboration is likely to come out of the event. That is just one example of the many great interactions that were made possible by this event.***”



- **Dr. Sue Ellen Haupt, Director, Weather Systems & Assessment Program, National Center for Atmospheric Research**



“The SU Group was proud to be a sponsor of the Governor’s Award for High-Impact Research! One year ago I began introducing the SU Group to Colorado, and ***because of my involvement with the CO-LABS I have had the chance to meet many new clients and friends.*** I am looking forward to more great tours/events in 2017!”

- **Robert Salmon, Market Specialist, The SU Group LLC**

“I enjoyed mingling in the vibrant group of thinkers and doers that comprise our community, and learning about their activities. Example: I learned about Longmont's Tinkermill, a shared workspace that brings together builders and artists of all kinds, providing tools and instruction to allow people from all walks of life to build objects from a variety of materials. ***This acts as a real cradle of innovation in our area.***”

- **Jonathan (Yoni) Brandt, PhD**

“The Governor's Award for High-Impact Research showcases the diversity of research performed in Colorado and facilitates interactions between different areas and sectors of science. ***As a young researcher, it's encouraging and exciting to see basic research recognized so publicly!***”

- **Rebecca Bloomfield, Colorado Science and Engineering Fair 1st-Place winner**

“This year’s Governor’s Awards for High-Impact Research event was a resounding success. The evening was informative, entertaining and highly enjoyable. As always, the videos featuring the award winners unveiled new understanding of the complexities of our world and the research underway right here in Colorado to understand it better for the benefit of mankind.

And, this year, ***it was a particular pleasure to meet the young science fair winners, each of whom had impressive and captivating stories to tell of their own research.*** As a founding

member of CO-LABS, Xcel Energy greatly values the

organization’s mission to promote Colorado’s federal laboratories, educate the populace about their scientific and economic impact, and connect the labs to one another and the community. These labs represent some of our company’s largest customers, but more importantly, they are the breeding grounds for Colorado’s innovation culture, which helps our state lead in cutting-edge research and technology transfer. I strongly support the work CO-LABS is doing to ensure the state’s federal resources remain funded and remain here!



- **Craig Eicher, Area Manager, Xcel Energy**



“The CO-LABS Governor’s Awards event was a great opportunity to recognize the outstanding science and technology contributions of the region anchored by the tremendous federal national laboratories in Colorado. It also **showcases the tight integration of scientific leaders in academia, government and industry** committed to

seeing Colorado make an impact in regional and global societal issues.”

- **Dr. Alan Rudolph, Vice President of Research, Colorado State University**

“It was thrilling to be in a reception charged by present day Marco Polos, Galileos, Madam Curies, and Nicola Teslas. The impact and significance of their science breakthroughs may not have the following of Super Bowls, Hunger Games, or Oscars but they may well help save our planet and our future. Having Governor John Hickenlooper so visibly enjoying the event added to the evening's energy and excitement. Many thanks to CO-LABS - and what amazing discoveries will the next annual awards bring?”

- **Richard Foy, Richard A Foy Designs**



The reception celebration and Governor John Hickenlooper with Award winners from JILA

“It was absolutely humbling to be in a room full of such influential, dedicated, and high-caliber scientists.

I appreciate the opportunity to network with these leaders and to explore ways that we can share their knowledge and experiences with our students and inspire the next generation of STEM professionals.”

- **Karis Morral, Denver Public Schools CareerConnect**



DENVER PUBLIC SCHOOLS
CAREERCONNECT

The Governor's High-Impact! Research Awards were the social/professional apex for our company, ClimaChange-Impact! (CCI!) in 2016. Kudos to Dan Powers of CO-LABS for ensuring an inclusive environment of secondary school students (aka "future scientists"), Senior scientists and Professors of our county's most elite academic and scientific research institutions, commingling with leading innovators of a vibrant Colorado entrepreneurial economy. Governor Hickenlooper capped the event by honoring those who contribute to the betterment of our planet. **It was an honor and a privilege to attend this event.**”

- **Joshua Putterman, CEO, ClimaChange-Impact!**

“Well done! I think this was the best CO-LABS Awards event ever! LASP’s work on space weather forecasting, JILA’s quantum machine team, the new Zika and Yellow Fever vaccines developed at the Colorado branch of the Centers for Disease Control, and NOAA’s GHG measurement calibration standards truly demonstrate the incredible skills and diversity of our State’s R&D community. We have a competitive advantage second to none in the nation because of the way



CO-LABS links all the national labs and universities, and because geography has clustered us pretty close together so it is very easy to follow-up with face-to-face contacts among all the individual researchers. I have concluded that Colorado is on its way to become a global leader in a large number of critical technology developments.”

- **Dag Nummedal, Director, Colorado Energy Research Institute, Colorado School of Mines**

“The Colorado ecosystem is rich with opportunities for networking, collaborating and growth for entrepreneurs, startups, innovators and makers. There are near daily events about funding, business operations, leadership, and almost every other topic- except science. These opportunities are lacking for Federal Labs and their determined scientists and academics. **The CO-LABS Governor's awards represents the premier event bridging the gap between the private sector and Federal lab researchers** providing a catalyst for future collaboration between them. Not only is it a strong networking event, but it is one of the only events I can attend with a focus on pure science, its impacts- present and future, the inspiration it yields and share stories with some of the greatest minds in Colorado.”



- **Dan Bodenstein, COO, Boulder Engineering Studio, LLC**

“The 2016 Governor’s Award for High-Impact Research brought forward the depth of the scientific discovery and collaboration taking place in Colorado. **The breadth of the award categories illustrates the range of impact- for our economy, for our quality of life, and for our future- of the state’s laboratory community,** and the evening was a delightful way to expand awareness of this impact and make connections in furtherance of this collaboration. Thank you, CO-LABS, and congratulations to the 2016 winners!”



- **Anna Ewing, COO, Colorado Office of Economic Development and International Trade & Executive Director, Colorado Innovation Network**



“It was a wonderful event that we thoroughly enjoyed. Cindy and I were delighted by the video produced about our work. We also very much appreciated that the event allowed us to meet and network with a broad range of Colorado’s research and business community. **The format was just right: concise speeches and videos, with most of the time open to meetings and discussion.** We are lucky to be working in a state with a

singular and coordinated enthusiasm for scientific development.”

- **Dr. Konrad Lehnert and Dr. Cindy Regal; JILA Fellows and 2016 Governor’s Award Winners in Foundational Technology**

“Perkins Coie was honored to be a sponsor of this year’s CO-LABS Governor’s Award for High Impact Research. In addition to our belief that CO-LABS plays a vital role in promoting and ensuring Colorado’s place as one of the preeminent states for technology development and commercialization, we chose to support CO-LABS because their events afford us with exactly the type of networking opportunities we as a full-service law firm are looking for. ***This year’s event proved to be an excellent opportunity for us to promote our brand while meeting and engaging with scientists, businessmen, government officials and entrepreneurs.*** We plan to continue our support of CO-LABS both because of what they do for the Colorado scientific community and because of how they facilitate bringing us together with a community of Coloradans who’s legal needs we hope to be able to meet.”



- **Scott Brairton, Perkins Coie**

“The evening proved a fantastic opportunity to learn about the depth and diversity of scientific research occurring right on our doorstep here in Colorado. The event was also a chance to mingle with a wide variety of attendees from senior research scientists to business development executives, all working to further scientific research and its positive economic impact in the State. ***Most importantly, I walked away with little doubt that these labs should to quote Dan, “stay funded and stay here!”***”



- **Christian Booty, Director of Business & Economic Development, Access Broomfield Economic Coalition**



The audience hears congratulatory remarks from Governor John Hickenlooper

“The passion and combined intelligence in that room was astounding. Everyone was as impressed with the research done at LASP as I was with the projects going on at other labs across the state. The event truly



Laboratory for Atmospheric and Space Physics
University of Colorado Boulder

highlighted both the quantity and, more importantly, the quality of cutting-edge research that is performed in the state of Colorado. I also talked with many high school students and I'm getting them in touch with LASP about research internships. ***The CO-LABS mission seems to be***

of timely significance, as we have an opportunity now to grow and strengthen the research community as the local academic and technical economy takes off.”

- **Dr. Allison Jaynes, at the Laboratory for Atmospheric and Space Physics (LASP) and member of the winning team for Earth Sciences and Space Sciences**

“This event was an awesome opportunity to meet some of Colorado's top scientists! I was impressed and humbled by the research that received the Governor's Award. The research was high impact on not only the state and national level, but also for the whole world! Even though the awards were amazing, my favorite part of the night was the reception afterwards. ***During the reception, I talked with many scientists about their work, and even made a few connections that I plan to follow up on in the near future.*** Everyone was really friendly to me (a high school student), so it was easy to engage in conversation. Overall, it was a great event!”

- **Kyle Fridberg, Colorado Science and Engineering Fair 1st-Place winner**



“The CO-LABS ‘2016 Governor’s Award for High-Impact Research’ event was an outstanding evening. Personally, ***it was a thrill to learn more about the world-changing research that’s being conducted here in Colorado.*** Professionally, the opportunity to meet and talk with such a broad cross-



High Precision Devices, Inc.

section of government, academic, and commercial researchers and organizational leaders was extraordinary. CO-LABS’ annual event is not to be missed! (If only it could be bi-annual!)”

- **Kevin Miller, High Precision Devices, Inc.**