At the Cooperative Institute for Research in Environmental Sciences (CIRES) at the University of Colorado Boulder, more than 800 scientists work to understand the Earth system, including people's relationship with the planet. Come join us.

Opportunity Highlights

Geophysical Data Manager

CIRES seeks a data manager with a Bachelor's Degree in the Earth Sciences, Oceanography, or related field with 2+ years applicable experience managing data.

The successful applicant will work with the National Oceanic and Atmospheric Administration (NOAA) National Centers for Environmental Information (NCEI). Within NCEI, the Center for Coasts, Oceans, and Geophysics (CCOG) is globally recognized as the premier repository and provider of geophysical, oceanographic, coastal, space weather, and marine ecosystem data and information.

This position will support scientists throughout NOAA, academia, voluntary mariners, and
The position will remain open until filled. Click here for more information.

Nine new positions posted at Jobs@CIRES

Nine new positions have been posted in the last month. See the CIRES jobs page for new positions for research scientists in chemical and physical sciences. Also see positions for engineers, web developers, data management, communications, coordination and more.

Call for Graduate Students with Film, Photography or Art Experience at CU Boulder

The MOSAiC (Multidisciplinary drifting Observatory for the Study of Arctic Climate; https://www.mosaic-expedition.org/) and NEST (Nature, Environment, Science & Technology) Studio for the Arts (www.colorado.edu/nest) invite any graduate students at the University of Colorado Boulder to apply to participate as a media expert in the MOSAiC expedition on the German research vessel Polarstern in 2019-2020.
The MOSAiC Coordination Office is seeking application from graduate students with cinematography, photography, and/or videography experience, who are enthusiastic to participate in gathering image data, sending communiques to the public, and creating their own work while aboard the ship.

Apply by April 3, 2019. Click here for more information.

CIRES People Profile: Magali Barba-Sevilla
What do you do at CIRES?
I’m a 4th year geophysics PhD student under Dr. Kristy Tiampo in the CIRES Earth Science and Observation Center. I use InSAR, a radar remote sensing technique, to better understand tectonic and anthropogenic earthquakes.

What has been important to you in your science journey?
My research experiences during my undergraduate and graduate studies have been important to my science journey. These experiences allowed me to explore various fields of earthquake science, including earthquake information technology, earthquake early warning, dense seismic networks, ocean bottom seismology, and triggered fault slip. Each experience helped me identify my strengths, refine my research interests, and reinforce my confidence to pursue a PhD. These opportunities eventually steered me to the field of InSAR. With the perfect balance of remote sensing and programming, InSAR has become my favorite method to study earthquakes.

Tell me about your work in diversity and inclusion. Why is it important to you?
As a first-generation Mexican-American and the first in my family to pursue a STEM degree, I felt lost and isolated on my path to higher education. Although I noticed the lack of diversity in my earth science departments during my undergraduate and masters education, it wasn’t until I moved from California to Colorado for my PhD that the lack of diversity became more obvious.

Last spring, a Nature Geoscience commentary, "No progress on diversity in 40 years", presented data that finally vindicated my feeling of isolation within the geoscience community. The article reveals that between 1973 and 2016, of the 19,570 geoscience doctorates awarded in the United States, only 628 doctorates (5%) were awarded to Hispanics or Latinos. Of those 628, only 241 were awarded to women.
Although CIRES and the CU Geological Sciences Department inclusion efforts have given me a sense of belonging, many institutions do not foster supportive communities especially for undergraduate underrepresented minority students.

The statistics noted above along with Susan Sullivan’s encouragement pushed me to launch SOLESS- the Society of Latinx/Hispanic Earth and Space Scientists.

My mission for SOLESS is to increase and reinforce the representation of Latinx/Hispanics in the earth and space sciences through community, visibility, outreach, networking, and mentorship. SOLESS aspires to join the ranks of established organizations serving underrepresented minority students such as the National Association of Black Geoscientists and the GeoScience Alliance.

I would like to acknowledge Matt Price and CIRES IT for creating the SOLESS website, the platform essential for turning my vision of SOLESS into a reality.

**What do you like about working at CIRES?**
CIRES offers invaluable professional and academic resources not provided by most graduate departments. I’m especially grateful to CIRES IT for taming Linux and to CIRES Administration for facilitating the proposal application process by creating budgets and walking me through the complicated proposal approval and submission procedures. Their support makes my science possible.

**What is one fun thing about you that not everyone knows?**
I’m a monster truck rally fan! I root for Grave Digger, the honey badger of monster trucks.
In the News

Science and Art Join Forces in Innovative Film

CIRES employees worked with Boulder’s EcoArts Connections and internationally-acclaimed artist Lars Jan and others to premiere a new climate change short film projected on the Science On a Sphere® (SOS) six-foot diameter display.

How can we feel climate change in our gut? How does sheer beauty relate to devastation?

These questions are explored in a new short art/science film HOLOSCENES / Little Boxes made for Science On a Sphere® that is based off of the original live performance work HOLOSCENES by Los Angeles-based artist Lars Jan/Early Morning Opera, immersive media artist/technologist Pablo N. Molina,
and a team of scientists, engineers, and artists.

The film premiered at CU Boulder’s Fiske Planetarium on February 20th, 2019 and was followed by a panel discussion with Jan, Molina, former CIRES climate scientist Dr. Elizabeth Weatherhead and others.

This project is the second collaboration between EcoArts Connections and Science On a Sphere®. The first collaboration was supported by a grant from the CIRES Innovative Research Program awarded to CIRES Senior Software Engineer Shilpi Gupta. For more information, contact Shilpi Gupta (Shilpi.Gupta@noaa.gov).

CIRES New Center for Microbial Exploration

Microbes are everywhere: from the frigid ice sheets of Antarctica, to the middle of the rainforest—down to the plumbing in your house and the inside of your intestines. And the people who study these diverse areas are spread widely across CU Boulder’s campus.

To bring them together, the new Center for Microbial Exploration kicks off this month to cultivate a communicative network between 21 faculty and more than 100 students and researchers across nine CU departments.

“Our goal is to catalyze microbiology research, collaboration, and communication across campus,” said Noah Fierer, CIRES fellow, CU professor, and director of the new center. “We want to get people together and get them talking.”

The new center launches March 20, 2019. For more information, click here.
CIRES Diversity and Inclusion

Put Yourself on Susan's Calendar

Wondering what it's like to study and work at CIRES? Would you like help knowing what internship programs or graduate advisors might be a good fit for you?

Click the green button to schedule online with Susan Sullivan to discuss potential mentors, collaborators and upcoming opportunities.

Schedule online to talk about opportunities

Contact

To sign up for the CIRES Mailing List, click here.
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