



ATOC COLLOQUIUM

Welcome!

Please join us for the next ATOC Colloquium on **Friday, April 26** from **11:00 AM–12:00 PM**, which will be held in **SEEC S228 and simulcast over Zoom**. This week's colloquium features **Dr. Edward Blanchard-Wrigglesworth (Univ. of Washington)**. Please join us for conversation beginning at 10:45 AM and stay for lunch catered by Illegal Pete's afterwards. This week's colloquium is co-sponsored by the **CIRES Division of Cryospheric and Polar Processes**.

From Heatwaves to Sea Ice Loss - Recent Extreme Events in Antarctica

After 4 decades of slight expansion, Antarctic sea ice extent has experienced several record minima in the last few years, culminating in the largest negative anomaly on record in the austral winter of 2023. In parallel, several extreme heatwaves have occurred over the continent, with the March 2022 East Antarctic heatwave being the largest positive temperature anomaly ever recorded globally. Here we will examine both events, their causes and predictability, discuss the skill of GCMs in simulating such events, and the implications for future pathways of the Antarctic climate system.



Location: SEEC S228 & Zoom

Zoom:
<https://cuboulder.zoom.us/j/93794324385>

Password: ATOC

About the ATOC Colloquium

The Department of Atmospheric and Oceanic Sciences (ATOC) Colloquium is typically held **every other Friday** from **11:00 AM–Noon**. Colloquia alternate between the following formats: (A) Full-length talk by a faculty member or invited speaker, (B) Three conference-length talks by graduate students. If you would like to nominate a speaker (including self), please email the ATOC Colloquium Committee Chair, Prof. Andrew Winters (andrew.c.winters@colorado.edu). Please visit www.colorado.edu/atoc/colloquium for further details.