



# ATOC COLLOQUIUM

## Welcome!

Please join us for the first virtual ATOC Colloquium of the fall semester on **Friday, September 4**, from **11:00 AM–12:00 PM**. This week's colloquium features **Dr. Curtis Walker** from the **National Center for Atmospheric Research** and is co-hosted by INSTAAR, Geology, and Geography as part of the **“Joint Earth Seminar Series”**. A link to join the colloquium via Zoom is provided beneath the abstract below. Students and postdocs are invited to attend a virtual lunch with Dr. Walker following his seminar.

## Surface Transportation Meteorology: Weather Decision Support

Dr. Walker will provide an overview of the broad needs and opportunities for weather decision support at the intersection of meteorology and transportation through past collaborations with the Nebraska and Colorado Departments of Transportation (DOT). Specifically, he will discuss the quantification of weather event severity, DOT weather forecasting and operational needs to promote safety, leveraging artificial intelligence to support future connected/automated vehicle implementation, and broad multi-modal infrastructure needs for future climate challenges.

**Zoom link:** <https://cuboulder.zoom.us/j/96781229960>

**Password:** weather



## About the ATOC Colloquium and the Joint Earth Seminar Series

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. The **Joint Earth Seminar Series** is co-hosted monthly by ATOC, INSTAAR, Geology, and Geography. If you would like to nominate a speaker (including self), please email the ATOC Colloquium Committee Chair, Prof. Jan Lenaerts ([jan.lenaerts@colorado.edu](mailto:jan.lenaerts@colorado.edu)). Please visit [www.colorado.edu/atoc/colloquium](http://www.colorado.edu/atoc/colloquium) for further details.