



ATOC COLLOQUIUM

Welcome!

Please join us for the next ATOC Colloquium on **Friday, Oct. 2** from **11:00 AM–12:00 PM**, which will be held in **SEEC S228** and simulcast over Zoom. This week's colloquium features **Dr. Kirsten Mayer (NSF NCAR)**. Please join us for conversation beginning at 10:45 AM.

Investigating Subseasonal Predictability with Earth System Models and Machine Learning

Machine learning for subseasonal applications is arguably data-limited: the observational record likely contains too few samples of the climate states that give rise to predictability to reliably train models. In this talk, I will discuss how Earth system models can help address this gap, and how machine learning tools, from explainable AI to emulators, can be used to explore sources of subseasonal predictability. I will also share recent progress on NSF NCAR's emulator efforts for subseasonal prediction.



Zoom: <https://cuboulder.zoom.us/j/4713174822>

Passcode: 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. Jianghanyang (Ben) Li (Jianghanyang.li@colorado.edu). Please visit www.colorado.edu/atoc/colloquium for further details.