



**ATS/CIRA Colloquium**

**Chris Wirz**  
from UCAR

**Hosted by Pat Keys**

**3 p.m. Thursday, Aug. 22**  
**ATS 101 and Zoom**

**AI, Tornadoes, & Social Science: Examining  
Trustworthiness and Communication at the Weather-  
Society Interface**

In this talk I demonstrate how fundamental social science can advance our understanding of how forecast information is developed, used, and communicated. I do this by highlighting results from two areas of research that examine different dimensions of the landscape surrounding forecast information:

Trustworthy AI and severe weather communication. First, I highlight several ways that social science can be leveraged to understand the trustworthiness of AI for atmospheric science. Second, I share results from a series of qualitative studies aimed at advancing understanding of the communication and decision-making processes for severe weather communication. Together these areas of research show the ways social science can contribute to and enhance research in the atmospheric science domain.

Colloquia page: [atmos.colostate.edu/colloquia](https://atmos.colostate.edu/colloquia)