The CSU-CHILL National Weather Radar Research Facility, located in Greeley, CO, is an advanced, transportable dual-polarized S-band radar system. The facility supports research and education, and is operated by Colorado State University. It is supported by the National Science Foundation and CSU.

**Key Features:**
- CSU-CHILL is the only meteorological radar system operating at S-band with a dual-offset antenna configuration.
- The antenna is over 50 ft tall, has a diameter of about 30 ft and weighs 8000 pounds, and is protected by a 100 ft diameter air-inflated radome that is over 60 ft high.
- The radar can be accessed remotely over the internet and is used in class instruction at several universities.
- The radar can detect severe weather at a distance exceeding 180 miles. It can detect flying insects up to a distance of about 25 miles.

**More Quick Facts:**
- The radome is made of the same nylon-reinforced vinyl used in the roof at Denver Int'l Airport.
- CSU-CHILL uses a unique dual transmitter, dual-polarized configuration and can measure the full polarization covariance matrix of targets.
- The radar is actively used by CSU ECE and ATS students, as well as by other universities.

**Open to students, staff and faculty**

RSVP to Karen in the ECE office by Oct 2 if you plan to attend: kungerer@engr.colostate.edu

**Refreshments will be served**

Address: 30750 Weld County Road 45, Greeley, CO

Driving directions [http://www.chill.colostate.edu/w/Contacts#Driving_Directions](http://www.chill.colostate.edu/w/Contacts#Driving_Directions)

Transportation available for a limited number