



SOCIETY of PHYSICS STUDENTS

**Welcome Meeting and
a presentation:**

**“Quantifying the Stable Boundary Layer
Depth in the Arctic Region of Northern
Finland: A Remote REU Experience”**

Theresa Lincheck, physics senior

Atmospheric stable boundary layers (SBL) are poorly understood and modelled, yet their impacts on weather and climate are widespread. While a lack of atmospheric observations is largely to blame for this uncertainty, several scientists are currently working to alleviate this by developing better ways to measure and sample the atmosphere. In this presentation, I will share my summer REU research experience working with the National Weather Center and the University of Oklahoma’s Center for Autonomous Sensing and Sampling to better understand Arctic SBLs and weather using quadcopter technology. I will also talk about the benefits of doing an NSF REU internship and why you should do one too.

Tuesday, September 15th, ZOOM, 11:30 am

<https://csuohio.zoom.us/j/6486738408>