

Hank Revercomb

Space Science and Engineering Center
University of Wisconsin-Madison



Verner Suomi's Vision with a Spotlight on Benchmarking the Earth's Climate from Space

Department of Physics Colloquium

The talk combines a summary of satellite observations for weather and climate that have followed from the vision and pioneering developments of UW Madison's own "father of satellite meteorology," Verner Suomi, with a description of a new approach for benchmarking the Earth's climate from space. The second half features the Absolute Radiance Interferometer (ARI) instrument, developed to provide benchmark measurements of Earth emitted radiance (3-50 microns) with a brightness temperature accuracy of 0.1 K (3-sigma). The key feature of ARI is the new approach it employs for on-orbit accuracy verification. Along the way, you will be introduced to the UW Space Science and Engineering Center, a Graduate School center co-founded by Verner Suomi that is part of his vision.

