

Leipziger Meteorologisches Kolloquium

Donnerstag, 26.10.2023, 16.00 Uhr, Stephanstraße 3a, Bjerknes Lecture Hall und

online <https://uni-leipzig.zoom.us/my/maxmaahn>

Dr. Haroan Li
(Chinese Academy for Meteorological Sciences)

“A radar perspective into microphysics”

The critical knowledge gap in snow microphysics presents a major challenge in numerical models. One of the poorly understood aspects is to identify the process governing the formation of snow. Atmospheric radars as a remote sensing tool offer a unique perspective into snow microphysical processes taking place aloft. However, due to the high non-sphericity and diverse shapes of ice in natural clouds, quantifying snow microphysical process with radar reflectivity, as commonly used, is rather challenging. In this talk, I will discuss how recent advances of radar remote sensing techniques, such as Doppler spectral analysis, polarimetry, multi-frequency, facilitate more in-depth understanding of snow microphysics.