

Estimation of Arctic sea ice thickness from satellite radiometer measurements

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Speaker

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Abstract

Information on sea ice thickness is crucial to understand global climate change as well as local weather systems. Traditionally, Arctic basin-scale sea ice thickness (SIT) has been measured from satellite-borne altimeters, however, altimeter-measured SIT has limitations in that spatiotemporal coverage is weak and not continuous, and a priori information of snow depth on sea ice is necessary. In order to overcome such a problem, recently a satellite radiometer-based algorithm for estimating SIT was developed and applied for both winter and summer sea ice. In this talk, the algorithm for estimating SIT will be presented.

The seminar will be in English.