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UNIVERSITY OF NORTH DAKOTA

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Atmospheric Sciences seminar Sept. 29, 2016

Events

September 27, 2016 Atmospheric Sciences, Earth System Science & Policy, ESSP 0 Comment

Xiaodong Zhang, Ph.D., Associate Professor, Department of Earth System Science & Policy at UND, will present a seminar titled *“From ‘The blind men and the elephant’ to light scattering and particles in the ocean”* on Thursday, September 29, 2016 at **3:30 p.m.** in Streibel Hall, Room 106. Faculty and Students are encouraged to attend. **Please note time change.**

Abstract

As light beams pass through the environment, part of light is scattered by molecules and particles that are suspended in the atmosphere or the oceans. Measuring the scattered light is frequently used in studying the suspended matter in the ocean and the atmosphere. However, measuring the light only at one or a few angles is like touching only a partial body of an elephant, and difficult, sometimes impossible, to form a complete picture. However, by observing light scattering at many angles simultaneously, we have developed a technique to retrieve the chemical composition and sizes of particles by examining the angular pattern of the scattered light. I will report the progress that we have been able to achieve in applying this technique to quantify aquatic particles.

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~ Wanda Seyler, Administrative Secretary, Atmospheric Sciences

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