

Physical Chemistry Seminar

Tuesday,
February 16, 2009

11:00 a.m.

Room 1315
Chemistry Building

Sea Spray from a Molecular Point of View"



Professor Ephraim Woods III

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We use probe molecule spectroscopy to characterize the surface environment of aerosol particles that model sea spray. Two complementary measurements, the probe molecule's excited state spectroscopy and photoionization efficiency, characterize the electronic properties of the particle surface and monitor phase changes that are driven by changes in relative humidity (RH). Our results illustrate that these mixed particles assume a variety of composition- and RH-dependent morphologies that can influence their heterogeneous chemistry.

Refreshments will be available prior to the seminar at 10:45 a.m. outside room 1315

Graduate Students may meet with the speaker at 1:15 p.m. in Room 8305f