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Department of Atmospheric Sciences Seminar Announcement

Department of Atmospheric Sciences, S.O.E.S.T., University of Hawai'i at Mānoa
2525 Correa Road, HIG 350; Honolulu, HI 96822 ☎956-8775



Cloud Seeding by Vegetation: conversion of forest volatiles into cloud condensation nuclei

Professor Joel A. Thornton

Department of Atmospheric Sciences
University of Washington

Date: Friday, February 24, 2017
Refreshments: Free Cookies, Coffee & Tea Provided
(Please Bring Your Own Cup)
Seminar Time: 12:00pm
Location: IPRC Conference Room, POST 414

Abstract:

Terrestrial vegetation emits over 500 Teragrams of carbon into the atmosphere each year in the form of highly reactive vapors, which are capable of contributing to the formation and growth of cloud condensation nuclei. I will present our new insights into how efficient these transformations occur and how both natural and anthropogenic emissions of sulfur and nitrogen oxide compounds may have perturbed this process over time. I will discuss implications for air quality and climate forcing at local and global scales.