



Mechanical and Aeronautical Engineering Department
University of California Davis
Davis, California 95616-5294

2006-2007 Monthly Seminar Series on Space Research

19 October, 16 November, 18 January, 15 February, 19 April, 17 May
3rd Thursday 4:00-5:00 pm

Experiments & Experiences with Static Electricity

Dr. John Marshall
SETI Institute
Mountain View, CA

Date: 16 November 2006 Thursday Time: 4:10-5:00 pm Location: 1062 Bainer
Refreshments will be provided at 4:00 p.m.

ABSTRACT

Hosted by: Professor Bruce White

Dr. Marshall of the SETI Institute will describe the role of static electricity in astrophysical and geophysical processes involving particulate material, and how the connection between particle behavior and static electricity has been sought in unique experiments in the laboratory, on board zero-gravity aircraft and the space shuttle, and in swirling dust devils.

ABOUT THE SPEAKER

Dr. John Marshall is a research scientist at the SETI Institute in Mountain View, CA. Trained as a geologist; he has spent 30 years conducting experiments with particulate materials, their microscopic appearance, how they move in the wind, and how they develop static charges. He has flown experiments twice on Space Shuttle Columbia, and has been extensively involved in electrostatic experiments on Mars. Currently, he is a co-investigator on the Phoenix Mars mission due to launch next summer.

For more information about

SpaceED (Space Engineering Research and Graduate Program) or the seminars please contact Professor Nesrin Sarigul-Klijn at (530)-752-0682 or nsarigulklijn@ucdavis.edu

Members of the campus community and visitors from the region are welcome to attend the seminar series. Sign-in is required at the event. SpaceED seminar will replace MAE297 seminar on 3rd Thursdays.

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