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### Dusty Space Plasmas

Noctilucent Clouds are a visual manifestation of dusty plasmas in space and possibly linked to global change. Virginia Tech researchers study these dusty plasmas with ground-based and space-based scientific instruments as well as with sophisticated computational models.

Our mission is to provide forefront research, instruction, and educational outreach in the fields of space science and engineering utilizing a holistic approach of theoretical modeling, advanced simulation techniques, space system and instrument design, and experimental data acquisition, analysis and interpretation.

#### SEMINAR SCHEDULE:

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**Thursday, November 15**  
**4:00pm - 5:00pm**  
**Whittemore 457**

Xiz Cai,  
Bradley Department of  
Electrical and Computer  
Engineering, Virginia Tech  
and Department of  
Atmospheric, Oceanic and  
Space Science, University of

