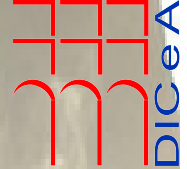




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**Avviso di Seminario**  
Facoltà di Ingegneria  
Mercoledì 7 Ottobre 2009  
Ore 9:15-10:30  
Aula Seminari Dip. Energetica

### **The Dynamics of Wind Blown Sand**

Dr. Jean Ellis  
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#### Abstract

For the last century researchers have studied the processes of wind-blown sand on beaches and in arid environments. In that time we have substantially advanced our understanding of these processes, especially of saltation. A large proportion of these studies have focused on measuring and modeling time-averaged sand transport rates. However, the model and field-based measurement results are significantly different. This presentation will describe possible reasons for the discrepancies: 1) environmental factors and 2) methodological inconsistencies.

#### Short CV:

Jean Taylor Ellis, Assistant Professor, Department of Geography and Marine Sciences Program, University of South Carolina, Columbia, South Carolina, USA. Doctorate, Texas A&M University (2006); Masters and Bachelors, University of Southern California. Previously employed by NASA.

Areas and research and teaching: coastal and aeolian geomorphology, coastal management, sediment transport, research applications, applied science. Publication topics range from wave transformation, to small-scale aeolian transport, to using remote sensing technologies to extract land-use and land-cover change and suspended sediment. Currently funded by NASA and the United States National Science Foundation.