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The Physics of Sand: Your visit to the beach will never be the same!

Abstract:

Sand is but one example of a large range of granular systems around us. Cereals, pharmaceutical pills, grains in a silo, dry snow are other examples. They are ubiquitous and play an important role in industry, agriculture, construction and geology. Despite their importance in many aspects of our lives, our understanding of these systems is still limited. The study of such “complex fluids” is a new frontier for the physicists.

This talk will cover the interesting properties of such materials as well as the research work on the study of granular flows and the correlations between the velocity and stress fields in the flowing system.



Wednesday, November 9, 2016

4:00 – 5:00pm 221 Kreger Hall

Refreshments at 3:40pm in the Pendulum Commons

