

SEMINAR IN PHYSICS

Friday, April 20, 2018
3:30-4:25 – Ross 0220

· Refreshments ·

Mechanical Properties of Nanoparticles

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Nanoparticles are microscopic particles, usually on the scale of individual molecules, which possess physical properties unique from those of macroscopic materials. Within the last few decades research in this field and the interfacial forces that govern their behavior has grown, and as such has yielded the potential for many new applications.

Today nanoparticles can be employed in numerous ways, including microscopic polishing, nano-manufacturing, reinforced composite coating, and used as either lubricants or adhesives additives. We will be discussing how these techniques are utilized, and the underlying physics involved.