

Public lecture on nanoscience: A glimpse into the nanoworld

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**June 14th
Wed. 8:00 pm
Abbot Hall
Room 101**

When you reduce the dimensions of everyday materials down to nanometer sizes (a nanometer is roughly a hundred thousand times smaller than the width of a human hair), ordinary materials often take on extraordinary properties. Nanoscience explores the unusual properties of nanoscale materials, leading to insights that are both scientifically fascinating and potentially useful. Nanotechnology promises advanced information processing and storage, new medical treatments, and much more. While some technologies exist only in movies and novels, there are already a surprising number of products on the market that exploit nanoparticles. This public lecture will provide an overview, directed towards the non-expert, of some of the interesting phenomena that are observed at the nanoscale and the tools that allow us to "see" into the nano-world.

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Background image from National Geographic, June 2006