Special Analytical/Physical Chemistry Seminar

Friday, May 8, 2009 | **1:00 p.m.** | **Room 1315 Chemistry Building**

What Happens to Different Materials when their Size is Reduced to the Nano-Meter Scale? Some Interesting New Properties and Potential Applications

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When the size of material is reduced to, or becomes smaller than, the length scale of its electronic motion (which is on the nano-meter scale), the material properties change and become sensitive to its size and shape.

In this talk, we describe some of the new properties and some potential applications of nano-Semiconductors, of Transition nano-metals in Catalysis and of Plasmonic Nanogold in the diagnosis and Photo-Thermal Therapy of Cancer.