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ALD NanoSolutions, Inc.

Precision NanoCoating for NanoParticles

ALD NanoSolutions Awarded \$100,000 Phase I STTR NSF Grant

December 20, 2005 - ALD NanoSolutions, Inc. has announced today the award of a \$100,000 Phase I Small Business Technology Transfer (STTR) grant from the National Science Foundation for "Fabrication of Coaxial Nanowires/Nanocables Using Carbon Nanotubes."

The grant will focus on how composite alumina/tungsten/alumina trilayers are deposited by Particle ALDTM on carbon nanotubes to form coaxial nanowires/nanocables for nanoelectronic applications. The thickness of each of the layers in the trilayer will be controlled to within approximately 0.1 nanometers. The novel nanowires or nanocables can be used as building blocks for future nanoscale devices, prototype power cables or "quantum wires".

This research, done in partnership with the George/Weimer Laboratories at the University of Colorado - Boulder, is an important part in the company's continuing effort to prove the flexibility of atomic layer deposition in the custom designing of composite particles.

About ALD NanoSolutions

ALD NanoSolutions, Inc. is focused on commercializing its nano-coating processes, called Particle-ALD and Polymer-ALD, and is targeting collaborative research agreements with domain partners for the discovery and validation of innovative composite materials in selected industries. The company's proprietary technology is based on atomic layer deposition (ALD) coating chemistry methods developed for depositing ultra-thin films on particulate and polymeric surfaces. For more information, visit www.aldnanosolutions.com.