

## **ALD NanoSolutions, Inc.**

### *Precision NanoCoating for NanoParticles*

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

June 13, 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 "Improved Boron Nitride Materials for Enhanced Thermal Management." These funds will be used to begin the development of selectively coating the basal planes of BN particles with ultrathin Al<sub>2</sub>O<sub>3</sub> films, as well as to prove the scalability of the production process.

This research, done in partnership with the George and 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. was founded in 2002 by P. Michael Masterson, Dr. Karen Buechler, and University of Colorado Professors Dr. Steven George and Dr. Alan Weimer. The company's proprietary technology is based on atomic layer deposition (ALD) coating chemistry and fluidized bed processing methods developed by Dr. George and Dr. Weimer for depositing ultrathin films on particulate and polymeric surfaces. The company is focused on commercializing its nanocoating 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. Particle ALD™ has been named one of R & D magazine's top 100 innovations for 2004.