

# **ALD NanoSolutions, Inc.**

*Precision NanoCoating for NanoParticles*

## **ALD NanoSolutions Awarded \$499,722 Phase II STTR AF Grant**

November 19, 2004 – ALD NanoSolutions, Inc. has announced today the award of a \$499,722 Phase II Small Business Technology Transfer (STTR) grant from the Air Force for “Atomic Layer Deposition on Particles for Nanoenergetic, Ferroelectric Capacitor and Thermal Management Applications.” These funds will be used to further the company’s developmental work on composite thermite particles as well as to demonstrate large-scale production techniques for coated particles for ferroelectric capacitor materials as well as thermal management materials for electronic packaging applications.

This research, done in partnership with the George/Weimer Laboratories at the University of Colorado – Boulder, will show the company’s command in customizing designed materials in functions not previously adapted.

### **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 ultra-thin films on particulate and polymeric surfaces. The company 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. ALD NanoSolutions has been named one of *R & D* magazine’s top 100 innovations for 2004.