

# **Educating the next generation of scientists and engineers: Nanotechnology in the K-16 science curriculum**

Aldrin E. Sweeney  
University of Central Florida  
asweeney@pegasus.cc.ucf.edu

## **Abstract**

Nanoscience and nanotechnology represent the most rapidly developing areas in contemporary scientific discovery and innovation. Nanoscience involves exploration and understanding of the fundamental behavior of structures having at least one dimension between 1 and 100 nm. Nanotechnology may be defined as the understanding and application of phenomena at the atomic level, leading to the design, construction and utilization of functional structures, again with at least one characteristic dimension measured in nanometers. Continuing advances in nanoscience and nanotechnology will impact all levels of science and engineering education.

**Keywords.** Nanoeducation, nanotechnology, K-12,

**To read full text: Order now**

**Price: \$25**

