

IEEE-NANO 2008

8th IEEE Conference on Nanotechnology



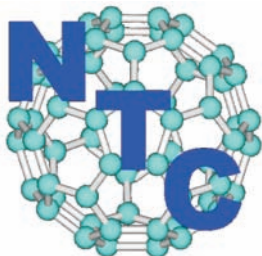
August 18-21, 2008
Sheraton Hotel and Arlington Convention Center
Arlington, TX, USA

Sponsored by the IEEE Nanotechnology Council

<http://www.ieee.org/NANO2008>

This conference is the sequel to meetings held in Maui (2001), Washington (2002), San Francisco (2003), Munich (2004), Nagoya (2005), Cincinnati (2006), and Hong Kong (2007). Emphasis will be on fusions of several different fields and applications of nanoscience and nanotechnology. The conference focus will be on engineering and business issues related to nanoelectronics, circuits, architectures, sensor systems, integration, reliability and manufacturing in addition to fundamental issues such as modeling, growth/synthesis, characterization, etc. The conference will feature plenary, invited, and contributed papers (oral and poster sessions) thematically arranged according to the following topics. Contributed papers are welcome in the following and related topics:

- **Nanoelectronics and Nanodevices**
- **Nano-optics, Nano-Photonics, and Nano-optoelectronics**
- **Nanofabrication, Nanolithography, Nano Manipulation, and Nano imaging**
- **Nano sensors/effectors and Nano membranes**
- **Nanocarbon, Nanodiamond and Carbon Nanotube-Based Technologies**
- **Computation / Modeling and Simulation**
- **System Integration (Nano/Micro/Macro), NEMS, and Actuators**
- **Defense/Medical/Commercial Applications**
- **Molecular Electronics, Inorganic Nanowires, Nanocrystals, and Quantum Dots**
- **Spintronics, Nanomagnetism, and Quantum Computing**
- **Nano-bio Fusion, Nano Biology, Nano-Bio-Medical Science**
- **Nano-Circuits and Architectures**
- **Nanomaterials and Nanostructures**
- **Nano Manufacturing and Robotics**
- **Health and Safety, Economic, and Societal Aspects**
- **Nano Theory/Education**
- **Nano-Standards**
- **Reliability of Nanosystems**

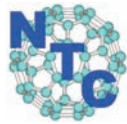


Abstract Submission Due Date: March 15, 2008 (2 page abstract)
Authors will be notified of paper selection by April 7, 2008
Final camera ready (accepted paper) up to 4 pages, Due Date: May 1, 2008
Point of Contact: Kyle Bunch, Kyle.Bunch@pnl.gov (Publications Chair)





The Dallas-Fort Worth Area Welcomes IEEE-NANO 2008



Arlington is nestled between Fort Worth and Dallas with access from two major air ports, Dallas-Fort Worth International Airport and Love Field, as well as major interstate highways.

The Sheraton Arlington and Arlington Convention Center are located near a number of entertainment venues. Six Flags Over Texas features roller coasters, shows and rides for all ages. Six Flags Hurricane Harbor is the region's biggest and best water park featuring 26 slides, rides and pools to cool down in. For the sports enthusiast, the Ranger Ballpark at Arlington is located just south of the convention center. For your dining pleasure, the nearby restaurant row and surrounding area offer a wide variety of tastes including Tex Mex, barbeque, steaks, sea food, Italian, and Cajun, just to name a few. And for the Texas Southwest enthusiasts, the Fort Worth Stockyards and the Southfork Ranch in Dallas provides a cowboy getaway.

