Nanotek & Expo

(**Theme:** Accelerating Research and Pioneering Expansion in Nanotechnology)

Summary :

Nanotechnology is a relatively new materials science that is slowly beginning to revolutionize many sectors of manufacturing. The long term outlook is exceptionally promising. Only a small number of consumers or business executives realize the extent to which nanotech is going to change the materials they use every day. As of 2015, so much progress has been made in nanotech research and development that commercialization is accelerating broadly. One factor boosting the adoption of nanotechnology is an increase in the manufacture and availability of carbon nanotubes, a basic nanomaterial that can be used in a wide variety of manufactured goods. These nanotubes have been shown to have highly valuable qualities, including incredible strength, extremely light weight and high conductivity of electricity. As nanotube supplies increase and costs drop, use will increase significantly. Nanotek--2015 welcomes attendees, presenters, and exhibitors from all over the world to San Antonio, USA. We are delighted to invite you all to attend and register for the "International Conference on Nanotek and Expo(Nanotek-2015)"which is going to be held during November 16-18, 2015 in San Antonio, USA.

For more details please visit- http://nanotechnologyexpo.conferenceseries.com/

Importance and Scope :

Nanotechnology has applications in fields such as semiconductors, biotechnology, solar power, chemistry, automotive systems, apparel, coatings, robotics and aerospace. The result will be new ways to solve problems and create products based on the use of micro components.Over the next few years, the fastest-growing commercialized uses of nanotechnology will most likely be in coatings, including advanced paints used in extreme environments; specialty chemicals; aerospace; electronics; pharmaceuticals and other health care technologies; and textiles. As the technology matures, many more uses will be commercialized. MEMS, another branch of technology involving extreme miniaturization, refers to a very exciting field in microelectronics. Specifically, we define MEMS as "Micro Electro Mechanical Systems," micro-scale structures that transduce signals between electronic and mechanical forms. Both MEMS and nanotech are vital to the long-term trend of greater and greater miniaturization of electronics and other systems. All the key breakthroughs and business developments in 2014 in graphene, carbon nanotubes, nanomedicine, nanocellulose, nanocoatings, nanomaterials regulation, nanowires, quantum

dots and energy are covered. This publication provides a comprehensive review of the state of the nanotech sector at present, it's development, and future prospects. Strategic analysis of the key global markets nanotech will impact is the core theme.

The Project on Emerging nanotechnology listed 1,628 items in its latest inventory of consumer products that have a nanotech component, up from only 209 products listed in their initial March 2006 inventory. The list includes health and fitness items (such as cosmetics, sunscreens and sporting goods), food and beverage products, home and garden items and electronics and computer products. Estimates of the size of the MEMS market vary. Analysts at research firm Yole estimated the global market for MEMS devices at $15 billion for 2015, and $22 billion for 2018. The global market for nanotechnology was valued at nearly $20.1 billion in 2011 and should reach $20.7 billion in 2012. Total sales are expected to reach $48.9 billion in 2017 after increasing at a five-year compound annual growth rate (CAGR) of 18.7%.

Why San Antonio?

Nanotek is an international platform for presenting research about marketing, exchanging ideas about it and thus, contributes to the dissemination of knowledge in marketing for the benefit of both the academia and business. San Antonio has a diversified economy with about a $96.8 billion metropolitan Gross Domestic Product. This ranks the city 4th among Texas metropolitan areas and 38th in the United States.

The city is located in the American Southwest, the south–central part of Texas, and the south western corner of an urban region known as the Texas Triangle. San Antonio has a transitional humid subtropical climate The weather is hot in the summer, comfortably warm or mild winters subject to descending northern cold fronts in the winter with cool to cold nights, and warm and rainy in the spring and fall. Dewpoints in the summer months average at around 68 °F (20 °C). As San Antonio offers a culture of business that values growth and supports it with financial incentives, affordable land and energy and much more.

San Antonio is home to six Fortune 500 companies Valero Energy Corp, Tesoro Corp, USAA, Clear Channel Communications, NuStar Energy and CST Brands .San Antonio headquarters include Bill Miller Bar-B-Q Enterprises, Carenet Healthcare Services, Eye Care Centers of America, Frost Bank, Harte-Hanks, Kinetic Concepts, NewTek, Rackspace, Taco Cabana and Whataburger.

Why to attend?

With members from around the world focused on learning about Nanotechnology engineering and Nano medicine this is your single best opportunity to reach the largest assemblage of participants from all over the world. Conduct demonstrations, distribute

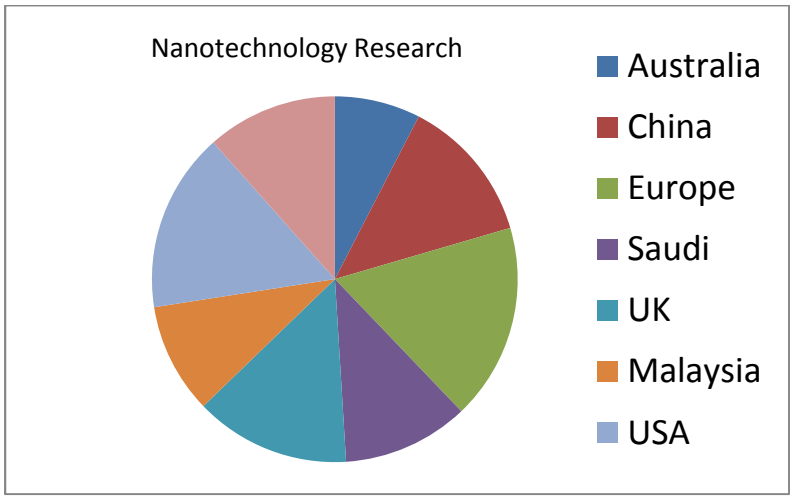
information, meet with current and potential customers, make a splash with a new product line, and receive name recognition at this 2-day event.

World-renowned speakers, the most recent techniques, tactics, and the newest updates in fields Nanotechnology and engineering, Medical Nanotechnology, tissue engineering are hallmarks of this conference.

Nanotechnology Universities in Texas

- Austin Community College
- Lamar University
- Rice Quantum Institute
- Rice University
- Texas A&M University
- Texas State University Nanomaterials Application Center
- University of Houston
- University of Texas at Arlington
- University of Texas at Austin
- University of Texas at Dallas

Worldwide Nanotechnology Research



Nanotechnology Funding:

With extensive research regarding CNT being carried out by almost all the leading companies in the above mentioned application areas, the challenges for integration of CNT will eventually loosen out and in a nutshell, it would be said that carbon nanotubes are the hottest nanomaterial in the time to come. However, notwithstanding some challenges like high cost of production and integration issues, the CNT application markets have made great breakthroughs and enabled nanotechnology to become one of the most sought-after technologies to have made a huge impact on a wide range of applications such as electronics, medicine, aerospace, defense, automotives, energy, construction, etc.