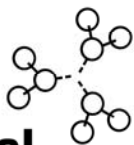


As Presented to
The Nanomanufacturing &
Dual-Use Commercialization
Conference
Savannah, Ga. Nov. 3-5, 2008

Hosted By:



turning invention into reality

**National
Nanotechnology
Manufacturing
Center**

102 S. Main Street

Swainsboro, GA 30401

[Http://NationalNano.info](http://NationalNano.info)

TBecker@NationalNano.info

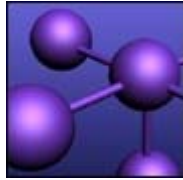
478-289-2346

The Oklahoma Nanotechnology Initiative: Focusing on Commercial Applications

Jim Mason, Executive Director
Oklahoma Nanotechnology Initiative

The State Chamber -
jmason@okstatechamber.com
405-272-4420 www.oknano.com

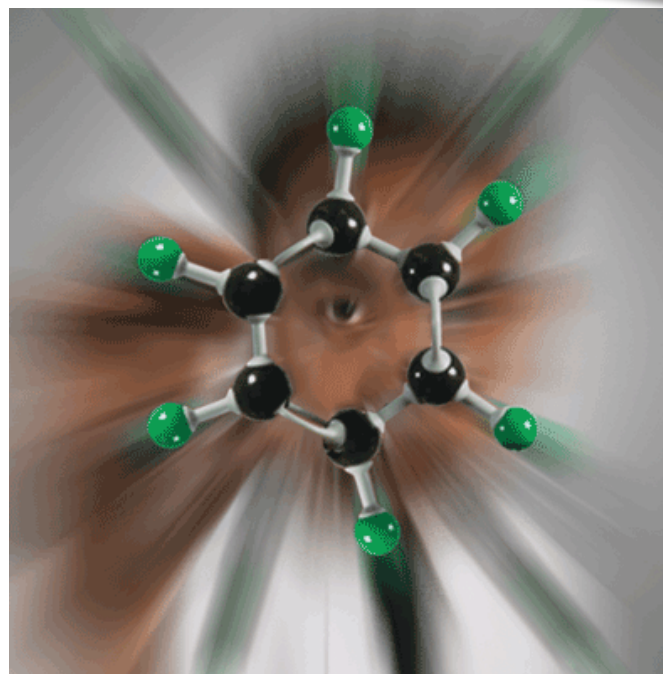
The next “Big Thing” ...is very, very, very small!



- **2000** - The **Oklahoma NanoNet** was formed with researchers from Oklahoma State University, Tulsa University, and the University of Oklahoma.
- **2002** - The **Oklahoma Nanotechnology Initiative (ONI)** was conceived by private nano companies and The State Chamber of Oklahoma in 2002 and officially authorized by the State legislature in 2004.
- **2005** - The State Chamber 's proposal was selected by the **Oklahoma Center for the Advancement of Science and Technology (OCAST)** to coordinate the Oklahoma Nanotechnology Initiative.
- **2006** - the **Oklahoma Nanotechnology Sharing Incentive Act** created the **Oklahoma Nanotechnology Applications Program (ONAP)** and the legislature appropriates \$2 million annually to fund the ONI and ONAP.

ONI VISION

- **“Oklahoma companies are world leaders in creating new and improved products thorough applications of Nanotechnology.”**
- Since 2006 we have grown from **six** identified companies involved in nanotechnology to **nearly 50** companies



The Oklahoma Nanotechnology Applications Program

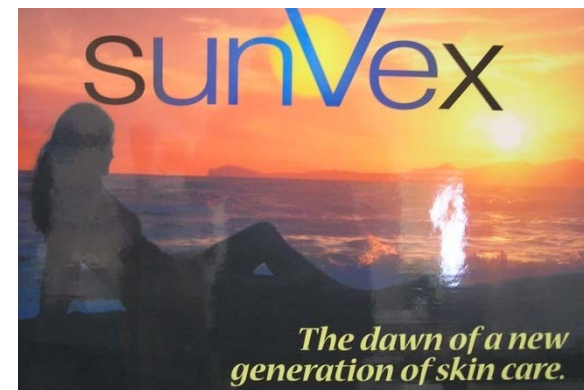
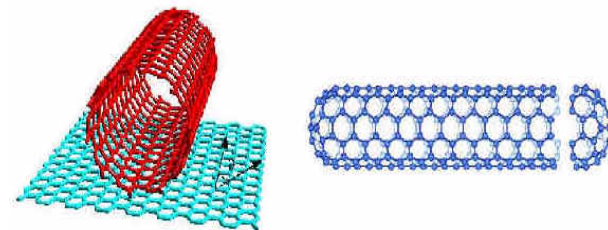
- Provides funding via OCAST for Oklahoma companies to license, acquire or create nanotechnology IP that results in bringing a new or improved product to commercial market.
- 2007 - \$1.25 million funded 5 proposals from five Oklahoma companies. All five now have products in the market using nano.
- 2008 - \$1.5 million funded 4 proposals from 4 Oklahoma companies and 4 “proof-of-concept” proposals from 4 researchers.
- 2009 - \$1.5 million appropriated. Proposals due in March.
 - Total of \$4.25 million appropriated from legislature. No match required the first year. A 1-to-1 match required from 2008 going forward.

- **2007**

- Access Optics – medical lenses
- Martin Bionics - prosthetics
- Rupture Pin Technologies – oil and gas pressure relief valves
- Southwest NanoTechnologies – high quality, high volume carbon nanotubes
- XetaComp Technologies – clear, non-oily, non-greasy sunscreen

- **2008**

- Charlesson – nano medicines for eyes
- IMTEC - Dental Implants
- EKIPS – cancer detecting breath meter
- XetaComp – sunscreen base for cosmetics



ONI's Primary Objectives

- Create **statewide awareness** of the emerging nano-technology industry & its potential impact on Oklahoma.
- Promote Oklahoma and its resources as a valuable site for **nanotechnology industry location**.
- Serve as a **clearinghouse of information** on nanotechnology to the academic, financial, industrial, and business communities via www.oknano.com .
- Provide outreach and referral support to ONAP - the **Oklahoma Nanotechnology Applications Program**.
- Facilitate regional collaborations with Arkansas, Kansas, Colorado, New Mexico, and Texas – suggesting the **Southwest Nanotechnology Initiative**.

Getting Kids into Nano!

Oklahoma Nanotechnology Education Initiative



www.oknano.com

- “Nanotechnology for Students” (also on youtube)
- Virtual products showcase
- Researcher and nano company databases
- Links to nano activities and lesson plans