ARIZONA **NANOTECHNOLOGY** CLUSTER

Arizona's Second Annual Nanotechnology Symposium

Friday, March 23, 2007 (8:00 AM – 5:30 PM)

Scottsdale Community College Performing Arts Center

"Real Progress, Real Products"

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This is an all-day event with participation and speakers from local, national and international organizations. Further details and registration can be seen at http://www.aznano.org/Symposium.html

- *Opening keynote will be Dr. Wade Adams, the Chairman of the Board for Texas Nanotechnology Initiative and the Director of the Center for Nanoscale Science and Technology at Rice University.*
- *Afternoon keynote Patti Glaza, Vice President/Publisher of Small Times.*

Fees include Breakfast/Lunch

NanoCluster and Arizona BioIndustry Association Fee	*$75*
Non-Member Fee	*$85*
Student Fee	*$30*

Scholarship program for free attendance to the symposium is open to the first 50 Arizona Students that apply contact Matt Kim at mk@quanttera.com

For more information, please contact:
Cluster Chair Matt Kim 602-214-3524, mk@quanttera.com,
Co-Chair Michael Berman at mberman@ece.arizona.edu,
Symposium Chair Glen Vaughn at glen_vaughn@yahoo.com.

Agenda – Arizona Nanotechnology: Real Progress, Real Products

7:30 Registration, Vendor Displays, and Breakfast
8:00 Opening Remarks Dr. Matt Kim, QuantTera
Welcome Dr. Arthur W. DeCabooter, President of Scottsdale Community College
Welcome Mary Manross, Mayor of Scottsdale Arizona
8:20 Introduce Keynote Michael Berman, UofA
Keynote Dr. Wade Adams, Chairman of the Board of Texas Nanotechnology Initiative (TNI) and Director of the Center for Nanoscale Science and Technology at Rice University
9:05 Session I: Nanotech in Arizona
Session Chair: Jon McGarity, Arizona Bioindustry Association
Dr. Stuart Lindsay, ASU, Molecular Imaging, "Nanotechnology: from Fundamental Science to Medicine?"
Dr. Raouf Loutfy, Materials and Electrochemical Research Corporation, on nanomaterials
Dr. Randall Nelson, Intrinsic BioProbes, ASU, "High Throughput Mass Spectrometric Immunoassays in Human Plasma Profiling and Targeted Protein Analysis"
10:10 Coffee Break and Vendor Displays
10:30 Session II: International Nanotech
Session Chair: Donna Kent, Arizona Technology Council
Dr. Sylvain Charbonneau, National Research Council of Canada, "The Path to Manufacturing Nano-Photonics Components"
Matthew Goldstein, Esq., Snell & Wilmer, "Navigating U.S. Export Controls on Nanotechnology"
Dr. Simon Fafard, Cyrium Technologies Inc., "High Efficiency Solar Cells for Concentrated Photovoltaic (CPV) using Semiconductor Nanostructures"
11:35 Lunch and Vendor Displays
12:45 Introduce Keynote Dr. Sandra Helsel, SK Helsel & Associates
Keynote Patti Glaza, Publisher Small Times Magazine, VP PennWell Corporation
1:30 Session III: Technology of Nano
Session Chair: Dr. Sayfe Kiaei, ASU
Dr. Sandwip Dey, ASU, "A Nanoceramic Vector for Cancer Therapy and Molecular Imaging"
Dr. Tim Cale, Rensselaer Polytechnic Institute, "Virtual Processing of Nanostructured Materials"
Morry Marshall, SEMICO Research, "The Semiconductor Production Nanotechnology Dimension"
2:35 Coffee Break and Vendor Displays
2:55 Session IV: Nanotech and Finance
Session Chair: Dr. Papu Maniar, Motorola PRL
Dr. Alexei Andreev, Harris & Harris, "Nanotechnology Investment Climate"
Jeff Jones, Agilent, "Nano Measurements, AFM and Why Agilent is in Phoenix"
Sharon Rehbinder, AEPI. The Grenoble France Economic Development Agency, "Public/Private Funding of Nanotechnology in Grenoble, France"
4:00 Panel Discussion on Panel Moderator: Jim Jindrick, UofA,
Business Challenges of Nanotechnology
Dr. Alexei Andreev, Harris & Harris
Gary Emmett, Stantec Consulting, Arizona Optics Industry Association
Dr. Stephen Goodnick, ASU
Dr. Papu Maniar, Motorola PRL
Amy Corinne Smith, Lehman Brothers
Sandra Watson, Arizona Department of Commerce, Executive Director of the Governor's Council on Innovation and Technology
5:30 Adjourn

Dr. Wade Adams

Chairman of the Board of Texas Nanotechnology Initiative (TNI)
Director of the Richard E. Smalley Institute of the Center for Nanoscale Science and Technology at Rice University, USA

The Center for Nanoscale Science and Technology is devoted to the development of new innovations on the nanometer scale. Some of CNST's current thrusts include research in carbon nanotubes, medical applications of C60, nanoporous membranes, molecular computing, and nanoshell diagnostic and therapeutic applications. CNST is part of a major initiative at Rice to expand activities in nano, bio, info and enviro science and engineering, and to expand interactions with the Texas Medical Center, the largest concentration of medical research facilities in the world. Wade retired from the US Air Force senior executive ranks in January 2002, as the Chief Scientist of the Materials and Manufacturing Directorate, Air Force Research Laboratory, Wright-Patterson Air Force Base, Ohio. He was responsible for providing advice to the laboratory director and staff on the technical and scientific merit of the laboratory's research and development programs, and he also directed the in-house research program. Wade was appointed a senior scientist in the Materials Directorate of the Wright Laboratory in 1995. Prior to that he was a research leader and in-house research scientist in the directorate. For the past 31 years he has conducted research in polymer physics, concentrating on structure-property relations in high-performance organic materials. He is internationally known for his research in high-performance rigid-rod polymer fibers, X-ray scattering studies of fibers and liquid crystalline films, polymer dispersed liquid crystals, and theoretical studies of ultimate polymer properties. He has written more than 190 publications on these topics, including several review articles and two edited books. He is a Fellow of the American Physical Society and the Air Force Research Laboratory. Dr. Adams retired from the Air Force Reserve in the rank of Colonel in 1998.

Patricia (Patti) Glaza

Vice President and Publisher of Small Times

Small Times is an international business publication group covering the fast-emerging nanotechnology, MEMS, and microsystems markets. Founded in 2001, it is the leading source of news and analysis for micro and nanotechnologies, detailing technological advances, commercial applications, and investment trends to help business and technology leaders and top researchers stay informed and make critical decisions for their organizations. Small Times is published by PennWell Corporation, a diversified global media and information company based in Tulsa, Oklahoma, and with offices worldwide. Ms. Glaza leads the Small Times' publishing group, focusing on strategy, marketing, and business development. Prior to the acquisition by PennWell in late 2004, Ms. Glaza served as the company's CEO. Before coming to Small Times Media, Ms. Glaza was Director of Business Development, Marketing and Client Services at HealthMedia, a fast-growing technology and health management start-up company. Prior to HealthMedia, Ms. Glaza worked at Avalon Investments, a venture capital company focused on technology company financing. Ms. Glaza started her career as a consulting professional and manager in the logistics, business services and retail industry groups for Andersen Consulting (now Accenture). Ms. Glaza is a graduate of Michigan State University from the James Madison and Honor's Colleges with a Bachelor's Degree in International Relations and Economics. She earned a Masters in Business Administration from the University of Michigan, Ann Arbor.