Program Highlights
August, September and October 2003

NUE Meeting
A meeting was held on August 27th at Penn State University focusing on Developing Upper Division Nanotechnology Undergraduate Education (NUE) Opportunities. Faculty representatives from Penn State University, the State System of Higher Education, and the Pennsylvania community colleges convened to discuss existing and new courses and educational pathways in nanotechnology.

NMT Partnership Activities:
The following schools and organizations visited the Nanofab in August to learn about nanotechnology, the NMT program, and to tour the facility:

- Students participating in the RACC 1-day Nanotech Camp (August 6th)
- Educators and administrators from the Greater Reading, PA area (August 13th)
- National Institutes of Science and Technology (NIST) representatives who visited and also interviewed NMT students (August 28th & 29th)

Fall 2003 Term
Fall term began September 2nd and will end December 12th. There are 14 students enrolled from a number of partner institutions including Butler County Community College, Cambria County Community College, Community College of Allegheny County, Delaware County Community College, Montgomery County Community College, Northampton Community College, and Penn State University.

September 15-16 Industry Workshop
Penn State Nanotechnology Workshop for Industry: What is Nanotechnology, Where is it Going, and How is it Changing Business?
A two day Nanotechnology Workshop for Industry was presented by Dr. Stephen J. Fonash at the Holiday Inn and Conference Center in Breinigsville, Pennsylvania on September 15th-16th. Topics of discussion were: what is nanotechnology, where is it going, and how is it changing business? The basic fabrication approaches of nanotechnology and their use in manufacturing were addressed and current and future directions on nanotechnology were explored. There were sixty-one participants at this workshop. Most were managers and technical specialists from companies using or planning to use nanotechnology. Industries represented at the meeting included semiconductor, microelectronics, medical devices, biotechnology, pharmaceutical and materials manufacturers.

October 8-10
Hands-on Nanofabrication Workshop for Educators
Twenty-one Pennsylvania educators attended the intensive three day workshop for educators held at the Penn State Nanofabrication Facility on October 8th-10th. Participants learned through lectures and hands-on laboratory experiments about the growing applications of nanotechnology in many industries including the biotechnology, MEMS, optoelectronics, chemical and nanoelectronics industries. Over 275 educators have now completed one of the Hands-on Nanofabrication Workshops for Educators offered by the NMT Partnership.

October 15-16, 2003
LEADERSHIP IN NANOTECHNOLOGY EDUCATION
6th ANNUAL CONFERENCE OF THE PENNSYLVANIA NMT PARTNERSHIP
Leadership in Nanotechnology Education was the theme for the 6th Annual Conference of the Pennsylvania NMT Partnership held at the Hershey Lodge and Convention Center, Hershey, Pennsylvania on October 15th-16th. Over 150 participants gathered at this conference to share ideas on how to advance nanotechnology education. State and National speakers and panelists were from government, education, and industry.

For further information on these Highlights or the NMT Partnership, contact:

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