Mission Statement: The PSU Nanofabrication Facility is dedicated to research, development and education across all aspects of micro- and nanotechnology. Its Nanofabrication Manufacturing Technology (NMT) Partnership is a National Science Foundation and Commonwealth funded initiative based on sharing the Penn State Nanofabrication Facility across Pennsylvania. Using the resource-sharing approach, the NMT Partnership addresses the tasks of (1) enhancing workforce development, (2) improving K-12 science and technology education, (3) increasing educators’ awareness of Micro- and Nanofabrication-based technologies, and (4) providing training, research and development assistance to Pennsylvania industry. The NMT Partnership has the goals of increasing job opportunities for Pennsylvanians and of nurturing and growing microfabrication-based, nanofabrication-based, semiconductor, and semiconductor-supplier industries in the Commonwealth.

Program Highlights for the Month of September, 2002

NSF Nanotechnology Undergraduate Education (NUE) Workshop

A workshop was held on Sept 11-12, 2002 at the National Science Foundation to explore the challenges and opportunities in the emerging and important area of Nanotechnology Undergraduate Education. The workshop was designed to review the status of various programs that impact NUE and to give guidance to the National Science Foundation as they initiate the first round of funding in this area through the NUE component of the Nanoscale Science and Engineering program. The workshop was undertaken to increase awareness about the new NUE program, to provide ideas and encouragement to potential NUE program applicants, and to develop recommendations to help guide the program this year and in subsequent years as the NSF builds an investment in NUE. The agenda, presentations, and full report can be found on the PSU Nanofab website’s “Education” page (See http://www.nanofab.psu.edu/education/nsf-nue-program.htm).

Nano Camp: Center for Arts and Technology

On September 17, 2002, 24 students from the Center for Arts and Technology, a vocational technical school located in Phoenixville, experienced class room and clean room activities during their one-day nano camp. The students are participating in an electronics program and their grade levels ranged from ninth to twelfth.

Up-coming Activities

February 24 & 25
NMT Partnership Winter 2003 Partners Meeting

The NMT Partnership Winter 2003 Partners Meeting will be held at the Penn Stater Conference Center Hotel on Monday, February 24th and Tuesday, February 25th, 2003. The meeting will begin at 10:00 a.m. on Monday, February 24th and end at 3:00 p.m. on Tuesday, February 25th. The agenda for this meeting will be forthcoming.

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

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