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
December 2003

New National Science Foundation (NSF) Award - National Nanotechnology Infrastructure Network (NNIN)
The Penn State Nanofabrication Facility in partnership with twelve other major nanotechnology user facilities at Cornell University, Stanford University, University of Michigan, Georgia Institute of Technology, University of Washington, University of California at Santa Barbara, University of Minnesota, University of New Mexico, University of Texas at Austin, Harvard University, Howard University and North Carolina State University received a five year $14m per year award from NSF. The NNIN award will provide unparalleled opportunities for nanoscience and nanotechnology research. The network will provide extensive support in nanoscale fabrication, synthesis, characterization, modeling, design, computation and hands-on training. NNIN facilities are operated as open, hands-on user facilities, available to all qualified users. For more information visit the NNIN website at http://www.nnin.org.

Winter Meeting - March 8-9, 2004
The Winter Partners Meeting/NSF National Visiting Committee Meeting is scheduled for March 8-9, 2004 at the Penn Stater Conference Center Hotel. This meeting is open to funded NMT partner institutions. All funded NMT Partnership organizations are expected to be represented. Attendees must contact the Penn State Hospitality Services Reservations Department directly PRIOR TO FEBRUARY 7, 2004 to make their own guest room arrangements. The number to call is: 800-233-7505 and attendees should reference reservation ID #2000307. The meeting agenda will be forthcoming.

Spring 2004 Term and Summer 2004 Term Dates
Spring Term 04 begins on January 12th and ends May 3rd. Spring break dates are: March 8-12
Summer Term 04 begins on May 17th and ends on August 11th.

NMT Capstone Semester Enrollment Update
Eleven students completed the Capstone Semester Fall Term 2003. This brings the total number of students completing the Capstone Semester to 221 since its inception in January 1999. There are seventeen students enrolled for the Capstone Semester beginning January 12th, 2004. They are enrolled from Butler County Community (3), California University of Pennsylvania (1), Community College of Allegheny County (2), Lehigh Carbon Community College (1), Luzerne County Community College (1), Mansfield University (1), Northampton Community College (2), Penn College of Technology (1), Penn State Altoona (1), Penn State University (1), Reading Area Community College (2) and Westmoreland County Community College (1).

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

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