Mission Statement: The PSU Nanofabrication Facility is dedicated to research, development and education in 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 among Pennsylvania institutions. Using the resource-sharing approach, the NMT program 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 Program 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 November, 2001

November 12 Job Fair
The fifth NMT Partnership Job Fair was held on Monday, November 12. The following companies participated: Agere Systems Inc.; National Institute of Standards and Technology (NIST); and Seagate Technology. The Career Link of Centre County also attended and provided an overview of their services.

Up-coming Activities:
April 10-12, 2002
Hands-on Processing Workshop: Success Stories In Applications of Micro and Nanobiotechnology
This workshop will cover the applications of micro- and nanotechnology to biology and medicine. Fundamentals of micro- and nanobiotechnology will be discussed along with hands-on processing skills practiced in the cleanroom facility. Topics will include microfluidics, microarrays, and bioMEMs, along with others.

May 1-3, 2002
Educators Workshop: Hands-on Overview of Nanofabrication Processing
This workshop is designed to acquaint the participant with the fundamentals of the processing used in microelectronics, displays, optoelectronics, microelectromechanical systems, solar cells, and applications in biotechnology. Participants of this workshop will experience hands-on processing in the class 10 cleanrooms of the Penn State Nanofabrication Facility utilizing state-of-the-art processing tools and equipment. Please contact Lisa Daub (ldaub@engr.psu.edu) for more information on workshops.

Chip Camps
Eight three-day Chip Camps are planned for Summer 2002. This will be the most three-day Chip Camps ever offered during the summer at the Nanofabrication Facility. All available spaces are now filled for Summer 2002. Please contact Lisa Daub (ldaub@engr.psu.edu) for details on how to sponsor a Chip Camp in the future.

Starting and Ending Dates for Next Three Terms of the Capstone Semester:
- 1. Spring 2002 - Jan 7 – April 29, 2002

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