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 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 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 June, 2001

Capstone Semester Enrollment:
29 students from 14 Pennsylvania institutions participating in the NMT Partnership are currently enrolled in the summer “capstone semester”.

Starting and Ending Dates for Next Two Capstone Semesters:
- Fall 2001: Aug 21 - Dec 14, 2001
- Spring 2002: Jan 7 – May 3, 2002

October 8-10 Workshop for Educators and Industry Personnel:
Registration forms are now available for the October 8-10 professional development workshop, which will overview the processing and applications of micro- and nanofabrication. For more information on registration and availability please contact Christian Shaffer (cshaffer@engr.psu.edu). The Penn State NMT Partnership is now an approved Act 48 credit provider. Act 48 mandates that all secondary school teachers in Pennsylvania receive 180 hours of professional development every five years to maintain their certification. Educators will receive 21 hours of Act 48 credit for attending this workshop.

Chip Camps:
Sixteen students and five chaperones from the Upper Darby High School attended a three-day chip camp on June 25-27. Also, 50 students sponsored by Upward Bound attended a one-day chip camp on June 29. Other Chip Camps have been scheduled as follows: July 9-11 (sponsored by Horizons for Youth); July 11-13 (sponsored by Management and Environmental Technologies Inc.); and July 16-18 (sponsored by Harrisburg Center for Healthy Child Development). For more information please contact Christian Shaffer (cshaffer@engr.psu.edu).

Up-Coming Activities:
October 18-19 Fourth Annual Nanofabrication Manufacturing Technology Conference: The Fourth Annual Nanofabrication Manufacturing Technology Conference will be held at the Penn Stater Conference Center Hotel, University Park, PA. In the coming weeks, registration materials will be available for this conference. Please note that the date for this event has been changed from September 16-18 to October 18-19, 2001. There is no registration fee for this conference.

For further information on these Highlights or the NMT Program, contact:
Mr. Christian Shaffer (814) 865-3895 cshaffer@engr.psu.edu
Dr. Doug Fenwick (717) 866-9659 dfenwick@engr.psu.edu