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 August, 2001

October 18-19 Fourth Annual Nanofabrication Manufacturing Technology Conference – This year’s conference, entitled Nanobiotechnology: Coming Impact and Workforce Needs, will be held at the Penn Stater Conference Center Hotel, University Park, PA. There is no registration fee for this conference. For more information please contact Christian Shaffer (cshaffer@engr.psu.edu). In conjunction with the Fourth Annual NMT Conference, a meeting of the advisory board of the Pennsylvania NMT Partnership is scheduled for 7:00 p.m. on October 18, 2001 at the Penn Stater Conference Center Hotel.

October 4-6 Advanced Technical Education (ATE) Principal Investigators Conference: As part of the new ATE grant awarded to the NMT Partnership, we will be participating in an NSF Conference in early October. The American Association of Community Colleges (AACC), in collaboration with NSF, is hosting this Advanced Technical Education conference, which has the theme “Blueprint for Change.” The conference will highlight outstanding students for their participation in ATE programs and related activities in science, mathematics, and technology.

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). Secondary school educators will receive 21 hours of Act 48 credit for attending this workshop.

Nanofabrication Facility Staff Changes: Bill Mahoney, Research Assistant at the Penn State Nanofabrication Facility, has joined Terry Kuzma in teaching the NMT “Capstone Semester”. Also, Sue Wenner has joined the Nanofabrication Facility staff as a Staff Assistant. She can be reached at (814) 865-3303 swenner@engr.psu.edu

Enrollment Report: Eighteen students enrolled in the “Capstone Semester” for the fall 2001 semester beginning August 21. They come from ten academic institutions across the state. This is the third year of the NMT Partnership and there now have been over 100 students enrolled in the program. As the graduating total for each year shows, the number of students in the NMT program is growing rapidly (1999-7, 2000-29, 2001-67).

Forthcoming Job Fair: The Fifth NMT Partnership Job Fair is scheduled for November 11-12. Please contact Christian Shaffer for more information. (cshaffer@engr.psu.edu)

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