Nanotechnology in the Secondary Classroom

The Pennsylvania Nanofabrication Manufacturing Technology (NMT) Partnership and the Pennsylvania State University Science Education Department announce a Nanotechnology in the Secondary Classroom Workshop for Educators. This three-day workshop will be held **November 14-16, 2005** at the Center for Nanotechnology Education and Utilization (CNEU) facilities at University Park, PA.

The desired outcome of the November 2005 workshop is to introduce Nanotechnology at a beginner's level and to demonstrate how the selected topics can be introduced into the secondary classroom while still using current curriculum. The workshop runs three days with daily lectures and activities lead by Penn State researchers, engineering staff, and educators from The Center for Nanotechnology Education and Utilization and The Pennsylvania State University Department of Science Education. Lab sessions highlight hands-on-activities in nanofabrication that can be used in the secondary classroom and introduce web-access remote use of nanocharacterization tools.

The intended audiences for these workshops are Pennsylvania secondary science educators. A previous knowledge of micro or nanotechnology is not required. We encourage multidisciplinary teams to apply as a group. Priority will be given to groups and there will be a cap of 20 participants in total. The fee for this workshop will be $200.00, and this will allow for distribution of take-home materials for the attendees. A variety of professional development workshops are offered several times per year. To stay up-to-date on all our events and activities check our News/Events section regularly at [www.cneu.psu.edu](http://www.cneu.psu.edu).

The Pennsylvania NMT Partnership (established in 1999) is recognized as the nation’s leading nanotechnology education and workforce development program. The Partnership provides hands-on undergraduate education to students enrolled at more than 30 different institutions across Pennsylvania, as well as professional development workshops for educators and industry. There is also a variety of outreach programs for secondary students. The Partnership includes the Pennsylvania Commission for Community Colleges, the State System of Higher Education, The Pennsylvania State University, and the Pennsylvania College of Technology.

This workshop has been submitted for Pennsylvania Act 48 credits and is pending approval at this time.

**How does it work?**

- Complete and return the workshop registration form to the Penn State Center for Nanotechnology Education & Utilization, Attn.: Tina Crosson, 101 Innovation Blvd., Suite 114, University Park, PA 16802. **Registration closes October 28, 2005. Please register as soon as possible; spaces fill up quickly.**
- A block of rooms is being held at the Penn Stater Conference Center until October 12. Please contact the Penn State Hospitality Services Reservation Department directly prior to October 12 to reserve your room. The number to call is 1-800-233-7505. Attendees should reference reservation ID# CNE1113. The rate is $89/night.
- You will be responsible for your transportation to and from the workshop each day.
- Additional details will be mailed/faxed to you as a confirmation.
- If you have any registration questions, contact Tina Crosson at (814) 863-2955 or tcrosson@engr.psu.edu
- If you have any workshop questions, contact Amy Brunner at (814) 865-8977 or abrunner@engr.psu.edu
Nanotechnology in the Secondary Classroom Workshop for Educators

(Must be received by October 28, 2005)

Name: ________________________________________________________________

Title: __________________________________________________________________

Organization: __________________________________________________________________

Address: ___________________________________________________________________

Work Phone: ______________________           Home Phone: ________________

FAX: _______________________________________________________________________

E-mail: _____________________________________________________________________

Special Needs: _______________________________________________________________

Workshop Fee: □ $200 PA Educators

Workshop Fee Includes: Workshop registration, workshop materials, and lunch as a group function.

Hotel as well as travel from your institution to the workshop and the return are NOT covered.

Sorry, we do not accept credit cards.

Make checks payable to Penn State and send to the address below:

Return To: Penn State Center for Nanotechnology
            Education and Utilization
            Attn: Tina Crosson
            101 Innovation Blvd., Suite 114
            University Park, PA 16802-7003

            Phone: 814-863-2955
            Fax: 814-865-3018
            Email: tcrosson@engr.psu.edu