



## 2010 Nanotechnology Education Train the Trainer Workshops

Join us for one or both of these Train the Trainer Workshops for post-secondary faculty and administrators who are interested in starting or enhancing nanotechnology programs. Each four-day workshop will cover the teaching of two courses, using the NACK class notes and the corresponding set of labs. Background information for each of the two courses will be provided. The workshop will also cover the strategies for the conducting of the NACK-provided labs for each of the two courses. In addition, we will discuss the equipment needs for the labs, equipment costs, and sustaining costs. The various modes in which institutions may choose to present these courses and their labs will be examined varying from complete in-house offerings to web-augmented joint offerings with NACK.

### Workshop Details

**October 4-7:** This workshop will focus on:

*ESC 215:* Materials Modification for Nanotechnology Applications

*ESC 216:* Characterization, Testing of Nanotechnology Structures and Materials

**Application due: September 20<sup>th</sup>.** Applicants will be notified by September 27<sup>th</sup>.

**October 11-14:** This workshop will focus on:

*ESC 211:* Materials, Safety and Equipment Overview

*ESC 212:* Basic Nanotechnology Processes

**Application due: September 20<sup>th</sup>.** Applicants will be notified by September 27<sup>th</sup>.

### Workshop Venues

Lectures / discussions will be held at 114 Lubert building, State College, Pennsylvania. All hands-on laboratory work will be accomplished at the cleanrooms at the Penn State University Materials Research Institute (MRI) in University Park, Pennsylvania.

### Workshop Application Process / Timeline

These workshops are primarily intended for institutions offering two-year degrees. Four year institution faculty may also be eligible if they are, or will be, utilizing their staff and facilities to train associate degree students in nanotechnology. Please complete and submit the attached application form via fax to (814) 865-3018, or, scan and email the application to Kristen Robinson at [kjg17@psu.edu](mailto:kjg17@psu.edu). For specific questions on the application process or workshops, contact Kristen Robinson at (814) 867-3069.

### Travel Reimbursement

Expenses for lodging and travel will be reimbursed for accepted applicants. There will be refreshment breaks and lunch will be provided. Dinner will not be provided so that you may spend your evening break how you wish before we reconvene for evening sessions.



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### Workshop Application Form

If you are interested in applying for one or both of the NACK Train the Trainer Workshops, please complete and submit the attached application form via fax to (814) 865-3018, or, scan and email the application to Kristen Robinson at [kjg17@psu.edu](mailto:kjg17@psu.edu).

**Please check which workshop(s) you are applying for:**

October 4-7, 2010	<input type="checkbox"/>
October 11-14, 2010	<input type="checkbox"/>

Full Name:

Phone Number:

Email Address:

Street Address:

City:

State:

Zip:

Institution's Name:

Title:



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**Please complete the following information as completely as possible**  
**(Please use additional sheets - if necessary):**

1. My institution is a:

- a. Two year educational institution
- b. Four year educational institution
- c. Other (please describe):

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2. Please describe current status of nanotechnology education at your educational institution.

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3. Please describe the future plans for nanotechnology education at your educational institution (please include your projected timeline).

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4. Please describe roadblocks for the integration and/or growth of a nanotechnology education program at your educational institution.

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5. Please describe how attendance at this Train the Trainer Workshop will assist you and your institution in the implementation and/or continuous improvement of nanotechnology education at your educational institution.

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6. Please provide a letter of support from an administrator at your institution recommending your attendance and interest in learning more about nanotechnology for potential implementation into course work at your institution.

**Please fax (814) 865-3018 or scan and email this completed form to Kristen Robinson at [kjg17@psu.edu](mailto:kjg17@psu.edu) by September 20, 2010.**

Workshop applicants will be notified of their status by September 27, 2010.