Society for Analytical Chemists of Pittsburgh

MIDDLE/HIGH SCHOOL SCIENCE TEACHERS WORKSHOP

Nanotechnology

When: Saturday, October 24, 2009
8:30 AM – 3:00 PM
(Registration 8:00 – 8:30 AM)

Where: Duquesne University
Bayer Hall Rotunda
600 Forbes Avenue, Pittsburgh, PA 15282

Instructors: Amy Brunner, Jamie Houseknecht, Robert Ehrmann
Penn State University
Center for Nanotechnology Education & Utilization

Act 48 Credits Available for Attendance

Cost: $15.00 (including free lunch, parking and materials)

How: Register Now

Application deadline: October 19, 2009

Complete the Application Form below and mail (or email) to:

Ms. Valarie Daugherty (Daugherty@pittcon.org)
SACP
300 Penn Center Blvd., Suite 332
Pittsburgh, PA 15235-5503

SACP 2009 MIDDLE/HIGH SCHOOL SCIENCE TEACHER WORKSHOP
APPLICATION FORM

NAME ______________________________________ SCHOOL _______________________________

USPS MAILING ADDRESS ____________________________________________________________

EMAIL (PREFERRED) AND PHONE ____________________________________________________
Amy Brunner
Research/Outreach Associate
Penn State Center for Nanotechnology Education and Utilization

Amy Brunner is a Research and Outreach Associate for the Center for Nanotechnology Education and Utilization (CNEU) at The Pennsylvania State University. The CNEU is home to the Pennsylvania Nanofabrication Manufacturing Technology (NMT) Partnership, a leading associate and baccalaureate level technical training program. The CNEU was also recently awarded the title of National Science Foundation Advanced Technological Education (ATE) National Center, and now facilitates the development of similar programs across the United States.

Ms. Brunner actively works with students and educators to increase the awareness and understanding of emerging technologies and develops educational materials for secondary and post secondary education. She has worked with teachers and students as far away as Australia. Ms Brunner is also a staff engineer and is responsible for the installation, maintenance, and subsequent user training on a variety of tools in the CNEU Educational Cleanroom Facility.

Prior to joining the CNEU staff in 2003, Ms Brunner earned a Bachelor’s Degree in Applied Physics from Shippensburg University and a Master’s degree in Engineering Science from the Pennsylvania State University.

Jamie G. Houseknecht
Outreach Assistant
Penn State Center for Nanotechnology Education and Utilization

Jamie G. Houseknecht is an Outreach Assistant for the Center for Nanotechnology Education and Utilization (CNEU) at The Pennsylvania State University. The CNEU is the home of the nation’s leading program in associate and baccalaureate level nanotechnology education, in addition to the Pennsylvania Nanofabrication Manufacturing Technology (NMT) Partnership, a vast network of educational institutions across the commonwealth, and most recently, the Nanotechnology Applications and Career Knowledge (NACK) center, a nationally recognized Advanced Technology Education (ATE) entity.

Mr. Houseknecht is responsible for recruitment of potential students, as well as fostering relationships between participating institutions and Penn State. He is available for interactive presentations, demonstrations, as well as discussions at said institutions, for awareness of the NMT Capstone program and nanotechnology in general.

Prior to joining the CNEU at Penn State in 2008, Mr. Houseknecht was employed in R&D at Becton, Dickinson and Company in North Carolina. He holds a B.S. in Chemistry – A.C.S. certified option from Bloomsburg University, as well as an A.A.S. in Nanofabrication Manufacturing Technology from The Pennsylvania College of Technology. Mr. Houseknecht completed the NMT Capstone Semester in the spring of 2003 and has also participated in NSF funded research projects at both Marshall University in 2006 and the University of South Carolina in 2004. He served as a teaching assistant in both the summer of 2005 and 2003 at Penn State, for the NMT Capstone semester as well.

Robert K. Ehrmann
Director of Education and Outreach
Penn State Center for Nanotechnology Education and Utilization

Robert K. (Bob) Ehrmann is the Director of Education and Outreach at the Penn State Center for Nanotechnology Education and Utilization (CNEU). The CNEU is the home of the Pennsylvania Nanofabrication Manufacturing Technology Partnership, the nation’s leading program in associate and baccalaureate level nanotechnology education. The Partnership offers the NMT Capstone Semester which is an integral part of fifty nine degree programs at 29 post secondary institutions across the Commonwealth of Pennsylvania. The CNEU focuses resources on addressing the incorporation of nanotechnology into K-12 education, post secondary education, and industry applications. The CNEU is also home to NSF
National Nanotechnology Applications and Career Knowledge (NACK) Center which has a national mission to facilitate the development of nanotechnology education programs across the nation.

Prior to joining Penn State in 2004, Mr. Ehrmann was employed in industry. During his twenty three year tenure with Corning, Incorporated he held multiple positions in engineering, product development, engineering / design management, production management and project management. Mr. Ehrmann earned a BS Degree in Ceramic Engineering from Rutgers University and a Masters in Business Administration from West Virginia University.

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**Duquesne University Campus Map**

For parking, please use the Duquesne University Parking Garage on Forbes Avenue. Please bring you parking ticket to the registration desk for a parking validation sticker. From the parking garage, take the elevator to the 8th floor level. At this level, proceed across the campus to the Bayer Hall. For driving directions to Duquesne University, please go to their website: www.duq.edu, under “About DU” then under Campus Map.