



The Pittsburgh Professional Engineer
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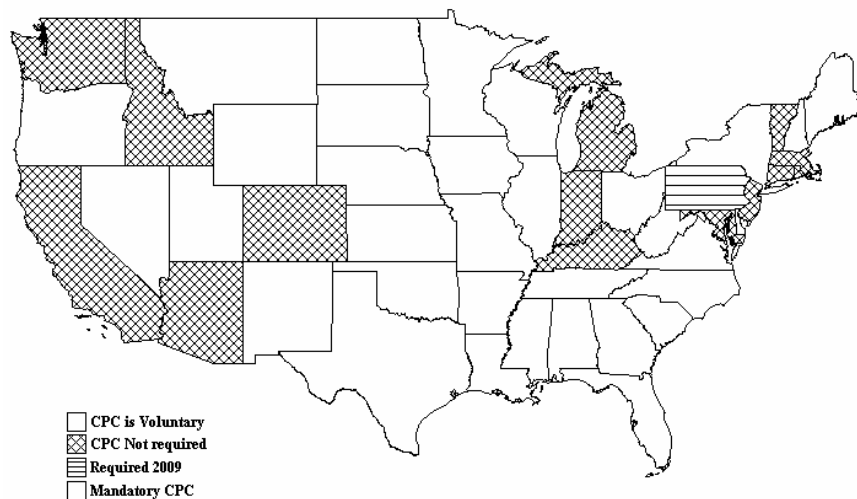
January 2007

Mandatory Continuing Education to maintain Professional Licensure is finally coming to Pennsylvania.

Fellow Professional Engineers;

As you may already be aware, the Pennsylvania legislature passed Senate Bill 655 and the Governor signed the bill on November 29, 2006. The senate bill became Act 170, and is now the Law in Pennsylvania.

By enacting this law, The Commonwealth of Pennsylvania joins the other States that already made continuing professional competency a mandatory requirement for renewal of the Professional Engineering License. (see map below; in Hawaii and Alaska CPC is not mandatory)



Under the new law, the licensees (engineers, land surveyors and geologists) must obtain 24 credit hours of continuing education every 2 years, but the details of what is acceptable education was left up to the state licensing Board which has up to 18 months to develop the more detailed regulations.

The new law also grants the Board power to waive the requirement in cases of illness, hardship or military service.

The next renewal cycle for Pennsylvania engineers is 2007 and the continuing education requirements will not be in effect for this renewal. The next renewal cycle (2009) is the earliest possible renewal period during which **Pennsylvania licensees will be asked to verify that they have met the continuing education requirements.**

PSPE will closely monitor the development of the detailed regulations and will keep the membership informed.

For the benefit of the Pittsburgh Chapter members, the full text of the final bill that passed the legislature and became the law is included in this newsletter on following pages: Pages 3 and 5.

Michel J. Sadaka, P.E.
PSPE South West Regional Vice President

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Apprenticeship Program



University of Pittsburgh

University of Pittsburgh Visit Cecily Sunday and Rob Nellis Group 3

The process of deciding where to go to college can prove to be an arduous task. However, taking college tours can help you decide what kind of characteristics you are looking for in a college. On October 13, four students from NASH attended a tour of the University of Pittsburgh through the Allegheny Intermediate Unit (AIU) Engineering Apprenticeship Program. The tour was a very educational experience that included a general overview of the Pitt campus as well as a specific tour of the engineering school.

After arriving at the start of the campus tour, the students were vivaciously greeted by the "Pitt Pathfinders," the tour guides. The group was split up with Cecily Sunday and Rob Nellis in one group and Stephanie Bost and Karl Koleck in another. Some students from other schools in the apprenticeship were also mixed into the tour groups. Cecily and Rob's guide was Lee Every, a business student at the university. Lee took the group around the campus, pointing out all of the main buildings and even led the group through a few of them. Some of the buildings the group went through were a dining hall, a dorm room, and the Cathedral of Learning. The whole campus seemed very busy, but it also had a friendly feel to it. It would definitely suit someone looking for a college in the city. In addition to the educational facilities, there were also many other places of interest, such as museums, sport and workout facilities, restaurants, and Schenley Park nearby. The tour guide emphasized the accessibility of these sites by explaining how Pitt students can ride the campus bus for free, get free admission to the museums, and get discounted tickets to sporting events and plays. When the tour was over, the students were given the opportunity to try out one of the dining facilities for lunch. After a quick meal at the dining hall's sub shop, the students moved on to the Engineering school tour.

Most of the classes for any type of engineering major at Pitt are held in Benedum Hall. Some of the areas of the Hall that were covered included a typical classroom and a couple of lab rooms. The classroom was a fairly large room in which was situated about fifteen tables. Each table had three computers, and each computer had two chairs assigned to it. With these accommodations, the room was ideal for learning how to be an engineer. After leaving the classroom, the group visited a series of different types of labs, such as labs for chemical engineering, mechanical engineering, and computer engineering. Each had special equipment to aide in the learning experience. For example, for the mechanical engineers, there was a lab where a small racing car was being designed and built. When the final product is completed later on this year, the designers will be able to race it in a competition against other colleges. This is an interesting experience for engineering students because it gives them a feel for designing and producing a product in a real working environment. Overall, the hall was well suited for the type of leaning that engineers require.

The tour of the University of Pittsburgh was an informative and enjoyable experience. It helped the apprenticeship participants in their search for their ideal college by showing an example of what a college can offer. The exciting city campus and the excellent engineering facility make Pitt a clear option for students considering the field of engineering.

Mandatory Continuing Education Bill – Content
“SENATE BILL, No. 655 Session of 2005

*INTRODUCED BY MADIGAN, STOUT, O'PAKE, M. WHITE, COSTA, RAFFERTY,
RHOADES, BOSCOLA, D. WHITE, ORIE AND WONDERLING, MAY 26, 2005
AS REPORTED FROM COMMITTEE ON PROFESSIONAL LICENSURE, HOUSE OF
REPRESENTATIVES, AS AMENDED, OCTOBER 17, 2006*

AN ACT

Amending the act of May 23, 1945 (p.l.913, no.367), entitled, as amended, "An act relating to and regulating the practice of the profession of engineering, including civil engineering, mechanical engineering, electrical engineering, mining engineering and chemical engineering, the profession of land surveying and the profession of geology and constituent parts and combinations thereof as herein defined; providing for the licensing and registration of persons practicing said profession, and the certification of engineers-in-training and surveyors-in-training, and the suspension and revocation of said licenses, registrations and certifications for violation of this act; prescribing the powers and duties of the state registration board for professional engineers, land surveyors and geologists, the department of state and the courts; prescribing penalties; and repealing existing laws," Further providing for general powers of the state registration board for professional engineers, land surveyors and geologists; and providing for continuing education requirements. (Continued on Page 5)

Engineer's Week Banquet

This year PSPE will be hosting the annual Engineer's Week Banquet at the Engineers Society of Western Pennsylvania on Saturday, February 24, 2007. Please plan to attend by filling out the attached flyer and submitting with your payment.

The Engineer's Week Banquet is always a good time to socialize with fellow engineers and honor those who have distinguished themselves in our profession.

Consider reserving a table and bringing clients, family members, or young engineers in your company to introduce them to the engineering community. Think back to who got you involved in PSPE and resolve to get a young engineer involved! It's also a nice evening to enjoy a fabulous dinner with your spouse to make up for the late evenings you may have spent at work.

Engineer's Week - Awardees

Pittsburgh Section of the Pennsylvania Society of Professional Engineers is pleased to announce this year's recipients of the following awards:

Distinguished Service: **Col. Stephen L. Hill, USACOE**

Dedicated Service: **Virginia Dailey, P.E.**

Silvio Lorenzi President's Gold Star Award: **Dave Briskey, P.E.**

Nominee, State Engineer of the Year - **Gene Geiger, PE** (posthumously)

Young Engineer of the Year – **Tom Howell**

Lawrence W. Hornfeck Award: Will be announced at the Banquet

Please join your fellow engineers at the Engineer's Week Banquet on February 24, 2007 honoring this year's award winners.

All Engineers and their guests are cordially invited to the
ANNUAL NATIONAL ENGINEER'S WEEK BANQUET

presented by:

***THE PENNSYLVANIA SOCIETY OF PROFESSIONAL ENGINEERS,
PITTSBURGH CHAPTER***

On Saturday, February 24, 2007 at The Engineers Society of Western Pennsylvania, 337 Fourth Ave., Pittsburgh, PA.

Please join us for a wonderful evening of fellowship, great food and the presentation of the 2007 Engineers Week Awards

Cocktails : 6:30 PM Social (Cash Bar)
Welcome & Presentation of Mathcounts Awards : 7:00 PM
Dinner : 7:30 PM
Awards

Dinner Choice: Choose one of the following:

- Chicken Boursin - topped with sliced tomato, basil provolone cheese and boursin cream sauce
- Virginia Spots - English style with lemon butter cream sauce
- Petit Filet Mignon - with button mushrooms and dijon brandy sauce

You may make your reservation by filling in the form below and mailing or faxing it to Dave Teorsky, Engineers Society of Western Pennsylvania. You may also phone in all of this information to us. If you opt to make your reservation via e-mail, do not e-mail your credit card info. Payment may be made by calling in your credit card info, faxing this filled in form, or mailing this form with credit card info or enclosing a check.

Phone: (412) 391-0615 Fax (412-261-0616) e-mail: eswp@eswp.com
U.S. Mail; PSPE , 337 4th Ave., Pittsburgh, PA 15222

Name : _____ Meal Choice: _____

Name : _____ Meal Choice: _____

Reservations including payment must be received by February 20, 2007. Cost per attendee \$ 60.00

If reservation and payment is received by February 09, 2007 the cost per attendee is reduced to \$ 55.00

Payment Options:

Credit Card: MASTERCARD VISA, Card Number: _____

Name (as it appears on the credit card): _____

Billing Zip Code : _____ Expiration Date: _____

Check enclosed payable to PSPE Pittsburgh Chapter - mailed to ESWP.

**Directions: On Mapquest.com, enter this address:
Engineers Society-Western Pa, 337 4th Ave., Pittsburgh, PA 15222**

Text of Mandatory Continuing Education Bill (Continued from Page 3)

The general assembly of the commonwealth of Pennsylvania hereby enacts as follows:

*Section 1. Section 4(l) of the act of may 23, 1945 (p.l.913, < No.367), known as the engineer, land surveyor and geologist registration law, amended december 16, 1992 (p.l.1151, no.151),
Is amended to read:*

Section 4. General powers of board.--the board shall have power--

(l) administrative rules and regulations.--to adopt, promulgate and enforce such administrative rules and regulations, not inconsistent with this act, as are deemed necessary and proper by the board to carry into effect the powers conferred by this act[.], which shall include establishing requirements for continuing education to be fulfilled by individuals licensed and registered under this act. The rules and regulations shall include any fees necessary for the board to carry out its responsibilities regarding establishing continuing education requirements.

** * **

Section 2. The act is amended by adding a section to read:

Section 4.5. Mandatory continuing education.--(a) the board shall adopt, promulgate and enforce administrative rules and regulations establishing requirements of continuing education to be fulfilled by individuals licensed and registered under this act. Except as otherwise provided in this section, beginning with the licensure period designated by regulation, individuals licensed and registered under this act shall be required to complete twenty-four hours of mandatory continuing education during each two-year licensure period as a condition of biennial renewal.

(b) an individual applying for initial licensure and registration shall be exempt from the requirement set forth in subsection (a) for the licensure period immediately following initial licensure and registration.

(c) the board may waive all or a portion of the continuing education requirement established in subsection (a) for an individual licensed and registered under this act who shows to the satisfaction of the board that the individual was unable to complete the requirements due to serious illness, military service or other demonstrated hardship. The request shall be made in writing, with appropriate documentation, and shall include a description of circumstances sufficient to show why the individual is unable to comply with the continuing education requirement set forth in subsection (a). Requests for waiver of the continuing education requirement shall be evaluated by the board on a case-by-case basis. The board shall send the individual written notification of its approval or denial of the request for waiver.

(d) an individual seeking to reinstate an inactive or lapsed license and registration shall show proof of compliance with the continuing education requirement for the preceding biennial renewal period.

(e) all courses, locations, instructors and providers of mandatory continuing education shall be approved by the board. However, no credit shall be given for a course in practice building or office management.

(f) the board shall promulgate regulations to carry out the provisions of this section within eighteen months of the effective date of this section.

Section 3. This act shall take effect in 60 days.”

Westinghouse Nuclear In Pittsburgh

(The following are excerpts from local newspaper stories)

Now that [Westinghouse Electric Co.](#) has decided on southwestern Pennsylvania for its massive new engineering campus, the only question that remains is whether Cranberry or Monroeville will land the new facility.

The Westinghouse deal is one of the biggest development projects to hit the Pittsburgh area in the last decade. The new engineering campus would be home to technical personnel earning up to \$100,000 a year, adding to some 3,000 people Westinghouse already employs locally, the bulk at its Monroeville home.

Westinghouse, a producer of atomic power plant equipment, is planning a 700,000- square-foot campus to house between 1,000 and 2,000 engineers it plans to hire over the next four or five years, company spokesman Vaughn Gilbert confirmed this week. Southwestern Pennsylvania was competing with several states for the site, ultimately beating out North Carolina and South Carolina.

Allegheny County Economic Development director Dennis Davin echoed Dan Onorato's excitement that Westinghouse has chosen the region for the campus. Even if the campus is not built in Allegheny County, Davin said his office just "loves to have it in southwestern Pennsylvania."

"Allegheny County residents are going to be working there," he said.

The combination of an expanding nuclear energy industry and an aging Westinghouse work force are fueling the demand for engineers. Westinghouse is poised to build new plants in the southern United States and Asia.

A consortium of power companies has chosen Westinghouse technology for 12 new nuclear plants across the southeast. Westinghouse also has deals to provide equipment and support to two power plants in South Korea, and the company expects to play a role in the construction of as many as 30 power plants to be built in China over the next 20 to 25 years.

In October, Toshiba Corp. finalized the purchase of Westinghouse Electric, acquiring a 77 percent stake in the company for \$4.16 billion from British Nuclear Fuels plc. Engineering firm The Shaw Group Inc. also took a 20 percent stake for about \$1.08 billion, while Ishikawajima-Harima Heavy Industries Co. Ltd. took the remaining 3 percent for \$162 million. threatens to undercut the United States' global leadership in development and innovation if unaddressed.

2006-2007 Chapter Officers

President - Darryl Brogan, P.E.

President Elect – Virginia Dailey, P.E.

Vice President - Tom Weber, P.E.

State Director - David Briskey, P.E. 2005-2008

Executive Secretary - Kevin Wiley, P.E.

Treasurer - John A. Broscious, P.E.

Financial Secretary - Reyman Branting, P.E.

Immediate Past President – Mohan Budidha

2006-2007 Chapter Directors

Brain Schull, P.E. 2006-2009

Hal Dietrick, P.E., 2006-2009

Jeff Mazza, P.E. 2005-2008

Moe Rayan, E.I.T. 2005-2008

Michel Sadaka, P.E. 2005-2007

Dave Samek, P.E. 2004-2007

MATHCOUNTS®

MATHCOUNTS objectives are to elevate the prestige associated with achievement in mathematics, to increase awareness of the importance of mathematics among parents, educators, and the general public, and to bring about improvements in mathematics curricula and instruction in 6th, 7th and 8th grades.

MATHCOUNTS is organized and administered by the National Society of Professional Engineers (NSPE) and Pennsylvania Society of Professional Engineers (PSPE) state and local chapters. This year's competition will be held on February 10, 2007 at University of Pittsburgh, Benedum Hall Auditorium.

If you are able to help as either a GRADER or a PROCTOR please let us know via. email as soon as possible. If you have a preference, GRADER or PROCTOR, please be sure to specify this in your reply. If you have a friend or brother / sister, etc. who would also like to help please feel to include them as well. Volunteering is not limited to engineering students -- anyone is welcome and encouraged to volunteer. Please include the full name and email address for each volunteer.

Volunteers will be provided brief instructions from one of the Pittsburgh Chapter members upon arrival. It's not difficult or complicated and it's lot's of fun !! Coffee, tea and donuts will be provided in the lobby upon arrival and lunch will also be provided to all volunteers at the completion the test.

GRADERS – (approximately 70 volunteers are needed) will need to arrive, and report directly to the Kresege, by 9:30 a.m. and they will be done by approx. 12:30 p.m.

PROCTORS (approximately 10 are needed) will need to arrive at the lobby of the Benedum Auditorium by 7:30 a.m. and they will be done around 11:15 a.m.

This will be the Pittsburgh Chapter's 23rd MATHCOUNTS Program. It offers local students the opportunity to interact and compete with their fellow MATHLETES. The first MATHCOUNTS Program occurred in the 1984-1985 season when twelve schools participated. We're proud to be involved with such a worthwhile program that encourages mathematics and engineering. If you may be interested in joining the MATHCOUNTS Committee or volunteering for the February 10, 2007 Competition, please contact Tom Schwartzmier via e-mail toms@nauticom.net

FE/PE Refresher Courses

The Pittsburgh Chapter sponsors a refresher course twice yearly for both the Engineer in Training (EIT/FE) and Professional Engineer (civil discipline) exams. Courses meet one evening per week to complement the semiannual examinations administered in the Commonwealth of Pennsylvania.

The classes will be held at the University of Pittsburgh Campus (Oakland). A minimum enrollment of 8 students is required.

A tuition fee of \$300 is charged for each course, payable to "Pittsburgh Chapter, PSPE".

The Winter 2007 Refresher Courses are now scheduled for 9 sessions beginning February 14, 2007, and running through April 11, 2007. Each course provides 22 hours of instruction. The deadline for course registration is **February 7, 2007**. The Civil PE Review class runs on Wednesdays beginning 2/14/2007, the EIT/FE class will also be held on Wednesdays beginning 2/14/2007.

All classes are scheduled from 6:30 PM to 9:00 PM. For more information and registration materials for future sessions, please check the Chapter web-site <http://www.PittsburghPE.org> or contact the Chapter office at 412-391-0615. Feel free to contact the EIT/FE and PE instructor, Steven Musial, P.E., at 412-956-6448 for additional class information.

For more information and registration materials for future sessions, please check the Chapter web-site <http://www.PittsburghPE.org> or contact the Chapter office at 412-391-0615. Feel free to contact the EIT/FE and Electrical PE instructor, Steven Musial, P.E., at 412-956-6448 for additional class information.

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2006-2007 CALENDAR

MEMBERSHIP EVENTS & MEETINGS

Date	Time	Description	Location
February 10, 2007	8:00 AM	Local Mathcounts Competition	University of Pittsburgh
February 24, 2007	6:30 PM	Engineer's Week Banquet	ESWP ("Engineers Club")
March 23-24, 2007		State Mathcounts Competition	Harrisburg
April 2007		American Bridge Engineers	ESWP ("Engineers Club")
May 10, 2007		Open	

BOARD OF DIRECTION MEETINGS WILL BE HELD ON: Nov. 9, 2006, Jan. 11, 2007, Feb. 8, 2007, Mar. 8, 2007, Apr. 12, 2007, May 10, 2007 and June 14, 2007

All BOD meeting are to held @ 5:30PM @ the ESWP Building pending further notice.

✓ - Indicates meeting already held.