

**CENTRAL CHAPTER
NY STATE SOCIETY OF PROFESSIONAL ENGINEERS**

NEWSLETTER

SEPTEMBER 2006

President's Message - Mike Hayes, PE

Mark your calendars for the Central New York Engineering Expo on Monday, November 6, 2006 at the Holiday Inn in Liverpool. Please see the schedule on the chapter's web site at www.cnype.org. There will be an opportunity to earn six or seven PDHs. The cost will again be \$80, which includes lunch. I am trying to arrange for a lunch speaker, which would allow us to offer 7 PDHs; 6 will be offered if there is no lunch speaker. The www.cnype.org web site will provide a link to the online registration site.

Credit cards will be accepted only for online registration. We haven't figured out how to accept credit cards the day of the Expo without either a lot of hassle or higher expenses. Checks or cash will be accepted "at the door" at the higher late registration fee of \$100.

Additional PDH programs will be offered this September and October plus January through June. Most, but not all, will be lunchtime meetings eligible for 1 or 2 PDHs. Please see the announcement below for the September meeting. The goal of the CNY PE chapter is to sponsor programs offering 14 PDHs a year, including the Expo.

We are also having our annual presentation about New York PE licensing. See the announcement below for more information. Although aimed primarily at students, it is open to anyone interested in learning the licensing requirements and current PE Board policies.

The Syracuse Post Standard listed our Chapter's Scholastic Achievement award winners in the June 16, 2006 edition of the newspaper. As you may remember, we presented \$1000 awards to Patricia Hurd, Manlius Pebble Hill and Christopher Wheeler, Cazenovia. We'll have the article posted on our web site. Your contributions to our scholarship fund make this possible.

Finally, I am debating about offering a course about electrical power system engineering for non-electrical engineers. The course would familiarize you with electrical systems for buildings, some design considerations, and an overview of the National Electrical Code. The course (or courses) would offer 12 to 24 PDHs. See below for a tentative course syllabus. The course would start sometime next spring. **Please let me know if you would be interested in this course.** You can send an email to me at mhayes@cscos.com.

Electrical Power System Engineering Overview for non-Electrical Engineers			
Class 1	Typical building power system description & NEC overview & voltage levels & clearances	Class 7	Grounding
Class 2	Electrical power system math	Class 8	Motor circuits
Class 3	Load calculations	Class 9	Transformers
Class 4	Short circuit calculations	Class 10	Services, feeders, & branch circuits
Class 5	Voltage drop calculations	Class 11	Special cases: hazardous areas, hospitals, fire pumps
Class 6	Overcurrent protection	Class 12	Comprehensive problem

NSPE Meeting Announcement 1

Topic: Geotechnics: Looks Like Dirt To Me!

Speaker: Ms. Beth Ann Smith, PE

Location: C&S Engineers
499 Col Eileen Collins Blvd (Hancock Airport Access Rd)
Syracuse, NY 13212

Date: Friday, September 22, 2006

Time: Lunch – 11:45 AM
Presentation - Noon

Cost: \$10

Reservations: Mike Hayes, 455-2000, mhayes@cscos.com, by September 21, 2006

The objective of the presentation is to inform what methods are available to find soil information for projects from design to construction. Basic soil properties needed for projects can be found from existing information, subsurface investigations, laboratory testing and construction quality assurance/quality control soil testing.

Ms. Smith has education and experience in civil and environmental engineering with special emphasis in the area of geotechnical engineering. Ms. Smith has experience as a geotechnical engineer on projects for terrestrial and marine earthwork activities, site development, slope stability analyses, drainage analyses, building foundations, sanitary/storm sewer and pipeline construction, highway construction, earthen embankment dam for reservoirs, general structure construction, solid waste facilities, site investigations and environmental remediation projects.

There will be one PDH offered for this presentation.

NSPE Meeting Announcement 2

So You Want To Be an Engineer: The Ins and Outs of Getting Licensed In NYS

A Panel Discussion Sponsored By:

CNY Chapter of the NY State Society of Professional Engineers, NYS Department of Education, SU College of Engineering & Computer Science, and IEEE Student Chapter

Date: September 27, 2006

Time: 5:30 PM

Location: Room 369, Link Hall, Syracuse University.

Parking will be available at no charge in the SU VIP lot (q4) on College Place adjacent to the Science and Technology Building.

Jane W. Blair, P.E. Executive Secretary of the Engineering and Land Surveyor's Licensing Board, NYS Education Department will be our panelist for a discussion of issues relative to the licensing of engineers. Topics will include: Why be licensed?, the application process, the exams (including recent changes).

Contact TBD (SU contact—see web site www.cnype.org or send email to John Przepiora), *to arrange for parking*, John Przepiora, P.E. (email: jwp134@twcny.rr.com) for program details.

There is no charge for attendance at this session.

Calendar

Date/Time	Topic	Speaker	Location	Cost	Contact
9/22/06	Geotechnical Engineering	Beth Ann Smith, PE	C&S Engineers	\$10	Mike Hayes, PE, 455-2000, mhayes@cscos.com .
9/27/06	Getting Licensed in NY	Jane Blair, P.E. (tentative)	Syracuse University., Link Hall, Room 369 (tentative)	Free	Mike Hayes, PE, 455-2000, mhayes@cscos.com .
Oct 06	TBD	TBD	TBD	TBD	Seventh in series of "PDH" luncheons. Date is tentative.
11/6/06	Various	Various	Holiday Inn, Liverpool	\$80	2006 CNY Engineering Expo. 6 or 7 PDH.
Jan 07	TBD	TBD	TBD	TBD	Joint with AIA & ACEC. Meeting @ Ashley-McGraw (tentative). "PDH" dinner.

CALENDAR (continued)

Date/Time	Topic	Speaker	Location	Cost	Info/Contact
Feb 07	TBD	TBD	TBD	TBD	Sixth in series Joint with AIA & ACEC. Meeting. location TBD. "PDH" lunch & Engineers' Week meeting. of "PDH" luncheons. Date is tentative.
Mar 07	TBD	TBD	TBD		Seventh in series of "PDH" luncheons. Joint with AIA & ACEC. Meeting @ Wyndham (tentative). "PDH" lunch. date is tentative.
Apr 07	TBD	TBD	TBD	TBD	"PDH" luncheons
May 07	TBD	TBD	TBD		"PDH" luncheons
June 07	TBD	TBD	TBD	TBD	"PDH" luncheons

WEBSITE

There are a number of events, schedules and dates in this newsletter. Unfortunately the slowness of the printed word keeps it at least 3 weeks behind your receipt. To keep current right up to the event, go to our website at <http://www.cnype.org> . The site is as up to date as we can make it. **Check it today for current EXPO schedule and registration forms.**

BOARD OF DIRECTORS MEETINGS

NSPE members are most cordially invited to attend all board meetings. The next meeting is scheduled for Wednesday, September 6, 2006 at noon at Microwave Filter. Those wishing to attend should contact Mike Hayes: (315) 455-2000 ext. 4384; mhayes@cscos.com to confirm time and date.

SCHOLARSHIPS

Each year the Central New York Chapter of the New York State Society of Professional Engineers (CNYSSPE) awards scholarships to worthy High School Seniors who will be going to college in an engineering or technical discipline. These young people are judged by an impartial algorithm based on their academic background, scholastic achievements and SAT scores. We are actively soliciting donations from local firms and individuals to support the scholarship fund. Public attribution and appreciation will be publicly expressed in all news releases, The Technologist newsletter and at the annual "Celebration of Technology" dinner. For additional information please contact Carl Fahrenkrug, carl-f@microwavefilter.com, 438 4722

Thank you in advance for your generosity. Together we can encourage more Central New York young people to choose engineering as a career. Your donation check should be made out to the CNYSSPE Scholarship Fund and sent to:

CNYSSPE c/o Microwave Filter Company, Inc.
6743 Kinne Street
East Syracuse, New York 13057
ATTN: Nancy Young

THANK YOU

We continue to seek donations for your Chapter's Scholarship Fund. The fund is supported by contributions from firms and individuals who take an active interest in the future of our profession. Current contributors include:

- Associated Builders & Contractors
- Blasland, Bouck and Lee
- C&S Engineers Inc.
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- Microwave Filter
- Ram-Tech
- Stearns & Wheeler
- Syracuse Research Corporation.
- Syracuse Thermal Products
- Watkins Environmental Sciences, P.E., P.C.