

ASCE, PHILA. SECTION MEETING SCHEDULE 2011-12

The ASCE, Philadelphia Section Meeting program for the upcoming season continues to be developed. The nearly final, but still somewhat tentative, "save the dates" information has been provided below for your planning purposes. We would suggest that you use this to mark your calendar at this time.

In coming issues of *THE NEWS*, this information will be "fine-tuned" to provide updates as they are available. We also suggest you visit the Section website for the latest changes in our meeting program. As we have done, each month's edition of *THE NEWS* will feature detailed information on that month's meeting along with as much information as is available for the following month's meeting, and the "look-ahead" schedule will show details that are available at that time for your advance awareness.

We also noted the success of the varied locations of meetings and will continue to schedule a mix of Center City and suburban venues to make them as convenient as possible for you. More details will be provided on meeting locations as they are set.

Dinner meetings generally follow a schedule of a cocktail hour starting at 5:30 PM, dinner at 6:30 PM, and the meeting presentation following at approximately 7:30 PM, unless otherwise noted in the detailed announcement. We also intend to follow our second-Thursday pattern except where joint meetings will preclude this. As always, you are welcome to attend the meeting presentation without dinner at no cost if you prefer to do so.

2012

January 18 (NOTE: Wednesday) –
Joint Meeting with American Society of
Highway Engineers

February 9

March 8

April 12

**I COULDN'T WAIT FOR SUCCESS,
SO I WENT AHEAD WITHOUT IT.**

– Jonathan Winters

NOVEMBER DINNER MEETING

American Society of Civil Engineers, Philadelphia Section

THURSDAY, NOVEMBER 17, 2011

Down Town Club, Public Ledger Building, 6th and Chestnut Streets,
Center City Philadelphia (enter from 6th Street)

Discounted parking is available at the 7th & Ranstead Streets garage (7th Street north of
Chestnut Street). Parking stubs must be validated at the meeting registration table.

Cocktails 5:30 PM • Dinner 6:30 PM • Meeting 7:30 PM

SUBJECT: Pier 11 (Race Street Pier) Revitalization

SPEAKERS: Christopher Hager, P.E., LEED AP; **Alex Shue, P.E.**; **Tom Spokas, P.E.**, LEED AP; and **Chad Carreras**, Langan Engineering and Environmental Services

RESERVATIONS MUST BE SUBMITTED BY FRIDAY, NOVEMBER 11.

Please see the new reservation and pricing system/schedule provided separately in this edition.

For reservations submitted by the deadline, the cost per attendee will be \$40, with a half-price (\$20) cost per government agency employee and students. Reservations received after the deadline and "walk-ups" without prior reservations paying at the door will be charged \$50 (government agency employees and students will be charged the regular \$20 rate), but will be subject to acceptance on a space-available basis. **THERE IS NO GUARANTEE THAT SPACE WILL BE AVAILABLE IF YOU DO NOT RESERVE A SPACE.**

Checks should be made payable to "Philadelphia Section ASCE" and sent to ASCE, Engineers' Club of Philadelphia, 215 S. 16th Street, Suite 16, Philadelphia, PA 19102. Reservations can also be made on the Engineers' Club message center, **(215) 985-5701**. You may also electronically reserve through our website (www.asce-philly.org) and pay via PayPal. **PLEASE NOTE THAT PayPal WILL NOT BE AVAILABLE AS A PAYMENT OPTION AFTER THE RESERVATION DEADLINE.**

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DECEMBER DINNER MEETING

Engineers' Club of Philadelphia

Society of American Military Engineers, Philadelphia Post

American Society of Civil Engineers, Philadelphia Section

Construction Management Association of America, Mid-Atlantic Chapter

Project Management Institute, Delaware Valley Chapter

Pennsylvania Society of Professional Engineers, Philadelphia Chapter

Association for the Advancement of Cost Engineering, Delaware Valley Chapter

(Sponsoring societies tentative as of presstime)

WEDNESDAY, DECEMBER 7, 2011

Down Town Club, Public Ledger Building, 6th and Chestnut Streets,
Center City Philadelphia (enter from 6th Street)

Discounted parking is available at the 7th & Ranstead Streets garage (7th Street north of
Chestnut Street). Parking stubs must be validated at the meeting registration table.

Cocktails 5:30 PM • Dinner 6:30 PM • Meeting 7:30 PM

SUBJECT: The Navy Yard — Past, Present, Future

SPEAKER: Robert Gorgone, Vice President/Project Manager, Philadelphia Industrial
Development Corporation (PIDC)

This presentation will cover a brief history of the Navy Yard, its current development status, guiding principles, Clean Energy Campus, sustainability and energy as well as next steps.

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PRESIDENT'S MESSAGE

There are two important topics for my letter this month: Win \$1000 for our Section; and public comment on the envision™ criteria.

ASCE headquarters is offering a \$1000 prize to the Section with the highest percentage of member renewals by **November 15**. Go to www.asce.org/renewal to renew your membership by **November 15**. (Do you get it that it's **November 15**?) Challenge your coworkers, too, because the ASCE, Philadelphia Section will recognize the employer with the highest percentage of renewals. Remember, **November 15**! [See the separate article on this in this edition.]

You may be aware that the Institute for Sustainable Infrastructure (ISI) was founded in February 2011 through contributions and support by ASCE, ACEC (American Council of Engineering Companies), and APWA (American Public Works Association). ISI is dedicated to working with public and private owners, designers, contractors, and materials/equipment manufacturers and suppliers to forge a new vision for sustainable infrastructure throughout North America. The founding board members noted that, among other issues, there is no infrastructure-wide and generally-accepted rating system for engineering and public works projects, since the USGBC (US Green Building Council) LEED (Leadership in Energy and Environmental Design) system is predominantly designed for habitable buildings. As Engineers, we need to address the triple bottom line—economic/financial, environmental, and social—aspects of any infrastructure project, not just the economic/financial, which has been our primary focus for many years. In hindsight, an example of a non-sustainable infrastructure project was the Fukushima nuclear power plant, specifically the fact that the emergency generators were placed in the basement. Because these generators were flooded, the cooling water could not be pumped after power loss.

ISI has developed the envision™ criteria. These criteria were created for communities, designers, and constructors to work together to plan projects, especially to challenge their assumptions and to involve the public and other stakeholders from the very beginning of a project. The criteria are out for public comment on the ISI website (www.sustainableinfrastructure.org). I encourage you to go to the upper right side of the banner (Comment), request login access, read through the criteria, and offer your comments. I read and commented, and I'm glad I did. It's especially important right now to incorporate the triple bottom line into all our projects.

Sincerely,

Ann M. Tomalavage, P.E., PMP, LEED AP
President, ASCE, Philadelphia Section

HELP US TAKE THE "NATIONAL CHALLENGE"!

National ASCE has announced a membership renewal drive for 2012 and our ASCE, Philadelphia Section has decided to make a run at it. The challenge is a fairly easy one — the Section with the highest percentage of membership renewals by **November 15** will win **\$1000**.

So, you were going to renew anyway, right, so maybe you do it a little earlier than you planned (there are other individual incentives being offered for this by National — please check www.asce.org for more details on this).

As an added incentive along these lines, our Section is having our own contest. The companies and agencies in our Section with the highest percentage of employees renewing for the 2012 year will be featured in an upcoming issue of *THE NEWS*, on our website (www.asce-philly.org), and at an upcoming Section dinner meeting!

If you're up to the challenge, here's all you need to do:

1. Renew your membership by **November 15** by either:
 - a. Visiting www.asce.org/renewal and renewing on-line.
 - b. Calling 800-548-ASCE (2732), toll free.
 - c. Return the form you may have received in the mail with your check for payment.

2. While you're renewing, update your employer information. Be sure to provide your company's name.

It's that easy!

It will take our Section approximately one month to announce the winners. This contest will calculate the percentage of current members for each employer who renew their membership for the 2012 year. If you have any questions on this, please contact our Membership Secretary, **Cathy Golata Farrell, P.E.** at **215-442-5316** or cfarrell@mbakercorp.com.

**WHEN A MAN POINTS A FINGER
AT SOMEONE ELSE,
HE SHOULD REMEMBER THAT
FOUR OF HIS FINGERS ARE
POINTING AT HIMSELF.**

— Louis Nizer

ASCE, PHILADELPHIA SECTION OFFICERS AND BOARD OF DIRECTION – 2011-12 SEASON

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Malarkey Consulting, Inc.

1429 Shaner Drive

Pottstown, PA 19465

610-326-0205

ann@malarkey.us

Secretary – AnnMarie L. Vigilante, P.E.

Project Manager

Langan Engineering & Environmental Services

P.O. Box 1569, Doylestown, PA 18901-0219

(215) 491-6500

avigilante@langan.com

PUBLICATIONS COMMITTEE

Editor of *THE NEWS*

Robert Wright

Staff Writers

James Markham Joe Syrnick

SEND COPY TO:

ASCE, c/o Engineers' Club of Philadelphia

215 S. 16th Street, Suite 16

Philadelphia, PA 19102

**COPY DEADLINE FOR
DECEMBER '11 ISSUE
NOVEMBER 11, 2011**

ADVANCE PLANNING FOR ENGINEERS WEEK

The Delaware Valley Engineers Week Committee will be celebrating **Engineers Week 2012** from **February 17 through February 25** and will continue its schedule of three events which will highlight the various contributions of Engineers and Engineering students in the Delaware Valley. Please note this information in your calendar and plan to participate.

AWARDS AND PROCLAMATION LUNCHEON

FRIDAY, FEBRUARY 17, 2012

DoubleTree Hotel, Center City

The Awards and Proclamation Luncheon will include:

- A poster session with presentation of student paper winners from 10:00 AM to 12 noon prior to the Luncheon
- Engineers Week Awards and Scholarships will be presented
- Engineers Week proclamations will be displayed
- Project and individual awards of all participating Engineering societies in the Delaware Valley will be recognized
- The Engineer of the Year and Young Engineer of the Year will make brief remarks

YOUNG ENGINEER SOCIAL EVENT

TUESDAY, FEBRUARY 21, 2012 (TENTATIVE)

This event will be a happy-hour type event at a location geared to younger Engineers. The Young Engineer of the Year will make brief remarks.

YOUNGER MEMBER FORUM NEWS

James Graham, Forum Editor

Jeremy Chrzan, Forum President 2011–12

Pennoni Associates, Inc.

3001 Market Street, 2nd Floor

Philadelphia, PA 19104

215-222-3000

jchrzan@pennoni.com

Additional information about these events, as well as information for making your RSVP, can be found on the YMF website at www.ymfphilly.org.

PHILADELPHIA CARES DAY – OCTOBER 22

The YMF is partnering with Pennoni Associates to take part in the **18th Annual Philly Cares Day**. It is a marathon day of volunteer service dedicated to the school children of our region. All are welcome to join us for this community service opportunity. Hope to see you there!

ROUTE 29 SLIP RAMP CONSTRUCTION TOUR – NOVEMBER 1

The YMF is coordinating a construction tour of the all-electronic (E-Z Pass only) interchange on the Pennsylvania Turnpike for the Route 29 corridor at Milepost 320 between the existing interchanges at Downingtown (#312) and Valley Forge (#326). This slip ramp is a major connection for this developed corridor. With multiple bridges, significant grading, and difficult soil conditions, this tour will showcase numerous Engineering challenges and solutions.

CELEBRATION OF ENGINEERING RECEPTION

THURSDAY, FEBRUARY 23, 2012

Pyramid Club, Center City

The culminating event of Engineers Week will be a social/networking gala event to celebrate Engineering, with cocktails, appetizer stations, and dessert stations. Other features of the event include:

- Award recipients will be honored with posters, exhibits, and running PowerPoint presentations in the networking area
- Future City Competition Regional winners will display their first place model
- The Engineer of the Year and Young Engineer of the year will provide brief remarks, followed by a brief recognition of the Hall of Fame, Outstanding Service, and Engineering Achievement award recipients

The location for the Young Engineer Social Event is still in the planning stages and will be announced shortly. More information will be provided on price, location, and other details in the coming months. Please visit www.dvewc.org for up-to-date announcements.

As always, **volunteers are needed!** If you are interested in volunteering for one of the many activities of Engineers Week, please visit www.dvewc.org.

WISSAHICKON PARK STRUCTURE RESTORATION – NOVEMBER 5

While preserving the natural beauty and wildness of the Wissahickon is a top priority, Friends of the Wissahickon is also committed to restoring the Park's many man-made structures, which mirror its diverse history and heritage. The YMF, in conjunction with Friends of Wissahickon, will restore two or three structures in the park. Come and lend a hand and improve our regional park resources!

SCHUYLKILL RIVER TRAIL CONNECTOR BRIDGE TOUR / HAPPY HOUR – NOVEMBER 15

The YMF is coordinating a tour of the Schuylkill River Trail Connector Bridge, currently under construction by Rockport Construction Company, Inc., in conjunction with the Schuylkill River Development Corporation (SRDC) and the Philadelphia Streets Department. The project, which includes modular retaining wall ramps and cast-in-place concrete ramps along with a pre-fabricated steel bridge truss structure, is another major step in completing the 130 mile-long Schuylkill River Trail master plan. Following the tour, we'll walk to a local bar for appetizers and refreshments. Don't miss out! RSVP for the tour, the happy hour, or both on the YMF website.

SCHOLARSHIP PROGRAM OPEN FOR APPLICATIONS

The Section's Scholarship Program is open for applications for the 2011-12 season. It will follow the same format as it did last season, when it changed slightly from previous years as far as schedule of submissions and awards.

The Section offers three distinct undergraduate scholarships annually:

- ASCE Delaware Valley Engineers Week Scholarship
- ASCE Student Scholarship
- ASCE Section Member Scholarship

Scholarship winners will be recognized as the Section's guests at our March 2012 dinner meeting.

ENGINEERS WEEK SCHOLARSHIP

As part of the Delaware Valley Engineers Week celebration, the Section will continue to offer one \$2,000 undergraduate scholarship. Completed applications must be submitted by **November 21, 2011**. Please visit the Engineers Week website, www.dvewc.org, for applications and specific requirements.

STUDENT SCHOLARSHIP

At least one \$1,000 scholarship will be awarded by the Section to an undergraduate Civil Engineering student who meets the following requirements.

- The applicant must be matriculating in a full-time Civil Engineering or Architectural Engineering program at one of the five colleges which have Student Chapters in the Philadelphia Section: Drexel University, Swarthmore College, Temple University, Villanova University, or Widener University.
- The applicant must be an active participant in the ASCE Student Chapter.
- The applicant must be in their sophomore or junior year (and Pre-Juniors at Drexel).

Application Requirements:

- The applicant's name, GPA and/or class rank, and an address/telephone number where they can be reached must be included with the scholarship application. Additional information for consideration (such as need) is allowed. A letter and/or resume is an acceptable means to provide this information.
- A recommendation letter from the applicant's faculty advisor is not required but is strongly suggested.
- The applicant will be required to submit an essay, limited to 1,000 words, on ONE of the following topics:
 - (1) As a future Civil Engineer what contributions do you hope to make to society? How will you work within the guidelines of the ASCE Code of Ethics to ensure that your contributions are positive and lasting?
 - (2) As Civil Engineers we are trusted to balance the competing goals of historical preservation and designing safe, modern, sustainable structures. Which of these is more relevant in modern society? Why?

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OCTOBER DINNER MEETING

October 13, 2011

The Down Town Club – Center City Philadelphia

Grays Ferry (DuPont) Crescent

by Robert Wright, Editor

After our extended summer vacation (our last meeting was in April), the ASCE, Philadelphia Section kicked off our Section Meeting program for the 2011-12 season at the Down Town Club. When we last met in April at Villanova, it was a rainy day (and you may recall many of last season's Section meeting days were wet), and the "streak" continued with an on-and-off rain on the day of our first meeting. With all the rain we have experienced recently, this was hardly a deterrent to the approximately 70 attendees gathered to hear exciting news about the popular Schuylkill River Park.

Section President **Ann Tomalavage** opened the meeting with her welcome, then called upon several folks to make announcements on different subjects. Even though it was not Drexel Night, **Dr. Joseph Martin** gave a special welcome to Drexel alumni (and a bit of a "jab" at the non-Drexel folks in the room) during the announcements. Past President **Ruben David** was tapped for his usual good invocation, and dinner was served. Following dinner, President Tomalavage invited President Elect **Jeremy Colello** to introduce the evening's speakers.

First up was the featured speaker, **Joseph Syrnick**, President and Chief Executive Officer of Schuylkill River Development Corporation (SRDC)/Schuylkill Banks. In an unadvertised "special," he was assisted by **Paul Martino** of Pennoni Associates, the Senior Geologist and Project Manager for the site remediation. He opened the presentation by noting that great cities have great rivers, and Philadelphia is catching up in this area. Schuylkill Banks is doing what it can to help this effort and is focusing on the tidal portion of the Schuylkill River, the lower 8 miles of the stream from its mouth at the Delaware River to Fairmount Dam. (The River extends upstate for another 130 miles.)

SCHUYLKILL BANKS

Mr. Syrnick briefly covered the history of the Schuylkill River as a stream surrounded by railroads and heavy industry, with little opportunities for public access, and very polluted by the adjacent users. As these uses have evolved, SRDC has four goals — improvement of access and connections, creation of attractions and destinations, encouragement of market-driven investments (both public and private), and encouragement of continued improvements. Sections of the Park completed thus far in the Center City area have been greatly received and are very popular with users.

SRDC is looking to extend the park and trails as funding and available space permit, and the current focus is southward toward Bartram's Gardens. A connection to the South Street Bridge via a planned boardwalk in the River, a solution to overcome the narrow space available on land in this area, and a new overcrossing of the CSX

Railroad near Spruce Street are two next steps. Mr. Syrnick emphasized the approach to plan and build small segments and thanked funding partners, particularly the William Penn Foundation.

A riverside site formerly occupied by the DuPont Company's Marshall Labs, bounded by the Schuylkill River on two sides and Grays Ferry Avenue and 34th Street on the other two, presented an opportunity for Park expansion. The DuPont facility was being consolidated and land would become available for park and trail space. As Mr. Syrnick explained, this would tie in nicely with a proposed river crossing using an abandoned Conrail bridge which would link the east and west sides of the River and close a major gap in the link to Bartram's Gardens.

GRAYS FERRY CRESCENT SITE REMEDIATION

Mr. Martino briefly outlined the history of the site, which was known as the DuPont Crescent but is now branded as the Grays Ferry Crescent. Along with the DuPont labs and related facilities that manufactured paints and chemicals, the site housed a slaughterhouse and stockyards for many years. A challenge in the redesign and reuse of the site was that these previous uses and activities needed to be identified to develop remediation methods and address state requirements for residential standards.

An analysis of the soil on site determined that the more permeable soils were closer to river on the north side. This would help in the possible utilization of these soils for support of fill and topsoil to provide grassed areas. Mr. Martino explained that varied levels of contaminants were found in the soil consistent with the historical uses of the site, and paved and built areas resulted in considerable amounts of non-permeable cover. Concrete and asphalt pavements would need to be removed to provide a safe "cap" of material to meet PaDEP's residential standards. Subsurface investigations revealed a number of buried railroad tracks and tanks that would need to be removed as well.

Pennoni conducted sensitivity analyses to model the travel of contaminants and groundwater flow. Mr. Martino noted that the models supported the removal and off-site dumping of most of the on-site material. A general overall fill of the area to cap it would not be feasible given the desired grade and adjacent river bank elevations. A total of 3600 cubic yards of fill had to be imported to replace the removed materials and bring the site back to grade.

FINISHED SITE

Mr. Syrnick came back to the podium to show slides of the finished product in "before and after" fashion. After the noted site remediation, the team of Urban Engineers and Simone Collins Landscape Architects was engaged by SRDC to design the paths and landscaped areas. This would include a

3700 ft.-long bicycle and pedestrian trail, plus several walking trails. New amenities along the greenway provide fishing and viewing opportunities. Benches, lighting, and trash receptacles have been installed along with a utility building to ensure proper maintenance of the greenway. Access points to this new trail segment exists at 34th Street, Grays Ferry Avenue and Wharton Street. While this portion of the Park does not physically connect to any other open portion, it is part of a more comprehensive greenway that will be part of the link from Center City to Bartram's Garden.

Construction on this project began in March 2010 and will be complete this Fall. Funding of this \$2 million project was provided through a collaboration of federal, state and city sources.

Questions posed by the audience were ably addressed by the speakers.

President Tomalavage thanked the speakers for an informative session and presented tokens of the Section's appreciation to Messrs. Syrnick and Martino.

NOVEMBER DINNER MEETING

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The Delaware River Waterfront Corporation (DRWC), along with Mayor Nutter, officially opened the new Race Street Pier on May 12, 2011, the first new public space of its kind on the Central Delaware River Waterfront to be realized as part of DRWC's ambitious new Master Plan for the Central Delaware River Waterfront. The Pier was designed to create a strong physical experience that reconnects the City to the River, activates the water's edge and establishes the pier as a distinctive new public park for the people of Philadelphia. Formerly Municipal Pier 11, the pier was renamed as the Race Street Pier to further reinforce its relationship to the City and reinstate its historic name.

Construction of the original Race Street Pier began in 1896 including a large building built on two levels to serve different functions; the lower level for shipping and the upper level for recreation. As a nod to its past, the physical design of the new pier is split into two levels — an upper level with a grand sky promenade and a lower level for passive recreation and social gathering. A dramatic ramp rises twelve feet into the air along the north face of the Benjamin Franklin Bridge, dramatizing the sense of arriving in the space of the river through a forced one-point perspective and allowing for rare views back to the City. A sun-filled lower terrace supports a multi-purpose lawn, planting beds and seating. The two levels are linked by a generous seating terrace that wraps around the end of the pier and amplifies the sense of magic associated with being on the edge.

The Race Street Pier will be an integral part of a series of open space improvements proposed every half mile along the central Delaware as part of the new Master Plan for the Central Delaware. Funding for new park has been provided by the City of Philadelphia, the Commonwealth of Pennsylvania,

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NOVEMBER DINNER MEETING

Continued from Page 4

William Penn Foundation, the Pennsylvania Horticultural Society, The Pennsylvania Department of Environmental Protection (Coastal Zone Management) and a challenge grant from The Pew Charitable Trusts.

The Langan design team is led by Mr. Hager, who has 17 years of experience in Civil Engineering planning throughout Pennsylvania, New Jersey, New York, Connecticut and internationally. He is actively involved with the Urban Land Institute (ULI) and currently sits on the Governance and Management Committees and is the Chair for Mission Advancement for the Philadelphia District Council.

Mr. Shue has over 23 years of experience in Structural and Geotechnical Engineering throughout the United States. His specialties include structural analysis and design, mat foundation and spread footings, pile foundations and drilled piers, coffer dams for dewatering and deep basement, mini-piles and foundation retrofits, underpinnings and retaining walls.

Mr. Spokas has experience in Civil Engineering design for various municipal, commercial and residential development projects. His design experience includes site analysis and design, stormwater management analysis and design, erosion and sedimentation control design, and environmental and land-use permitting through local municipal, county and state agencies.

Mr. Carreras has dual degrees in Civil Engineering and Architectural Engineering. He has worked on various municipal and commercial projects throughout the City of Philadelphia and surrounding counties.

FUTURE CITY UNDERWAY

The **Philadelphia Future City Competition** will be conducted on **Saturday, January 28, 2012**. This will be the 17th successful year of the competition in our area. Mentoring opportunities are available now and many volunteers will be needed the day of the competition. Our ASCE, Philadelphia Section will once again offer a Section prize and judges are needed for this effort.

Information on volunteer and mentor opportunities is available at the Future City website, www.futurecityphilly.org.

**WHEN YOU HIRE PEOPLE THAT
ARE SMARTER THAN YOU ARE,
YOU PROVE YOU ARE SMARTER
THAN THEY ARE.**

— R.H. Grant

UPDATE ON PROFESSIONAL DEVELOPMENT REQUIREMENTS

Those of you who have professional licenses in Pennsylvania have (hopefully!) renewed them by now, as the current renewal period started on October 1. This was the first license renewal which required professional engineers, land surveyors and geologists to have obtained continued professional development (CPD) credit.

You may have seen a question on the renewal form that asked if you had the required 24 Professional Development Hours (PDH's) for renewal. If you checked "no" for this, it is our understanding that the State Board will be contacting you to determine if you will be able to obtain the required credit within the next six months (by April 1, 2012) or would have qualifying PDH's from the period prior to the last renewal (October 1, 2007 to September 30, 2009) which could be "credited" toward your total. If you cannot meet the 24 PDH requirement, you may be subject to disciplinary action by the Board.

For those of you who had more than you needed for renewal, up to 12 PDH's can be carried forward for the current (2011-13) licensure period.

The specific requirements for PE's, LS's and PG's are available on the Department of State's website at www.dos.state.pa.us/eng for your information.

New Jersey has also instituted requirements for continuing education effective January 12, 2011. A current licensee shall be required to obtain 15 continuing professional competency credits during the current licensure period (which expires April 30, 2012), two of which shall be in professional practice ethics, to meet the requirements for the 2012-14 biennial renewal period. Unlike in Pennsylvania, coursework and meetings that will qualify for credit in New Jersey must be approved by the State Board, and this listing can be found at www.njconsumeraffairs.gov/pels/pels_licensee.htm.

It appears that the New Jersey Board does NOT intend to send notice of these regulatory changes to all licensed Engineers. Thus, you should visit the New Jersey Board site (www.njconsumeraffairs.gov/pels/) for updated information.

The Section's PDH Committee is pursuing approval of the Section's program by the New Jersey Board to include Section meetings from last season (January, March and April – February has already been approved) as well as Technical Group sessions as applicable to allow our members to obtain the credits they need for their New Jersey licenses. We will keep you updated on what happens here.

It appears that Delaware may be joining the group of states that has a continuing education requirement, although this may not be implemented until 2014 at the earliest. Maryland has regulations on a new continuing education requirement that went into effect in July as well.

Please note that our Section's meeting program will be able to count toward your continuing education requirement for the most part (meetings that the Section believes would not count will be prefaced as such in the meeting announcement), and we continue to have a verification program in place to help our members obtain and track PDH's.

NOTICE – CHANGES IN MEETING PRICES

Now that we have your attention... The news is good for all.

The ASCE, Phila. Section has determined that charges for dinner meetings that are sponsored and administered by our Section will be revised slightly.

The dinner price will be held at \$40 (same as last season) for those making advance reservations by the advertised deadline.

For any reservations made after the advertised deadline, and for those without advance reservations who will pay at the door, the dinner price will be \$50. A \$10 additional cost over the "normal" dinner price will be assessed in these instances.

In addition, PayPal will be closed as of the end of business on the date of the reservation deadline, so those attempting to reserve after the deadline will need to pay by check (either mailed in or at the door) or with cash at the door.

There is, as always, no guarantee that space will be available for anyone without an advance reservation, so we would urge you to keep this in mind as you are planning to attend a meeting. This is generally beyond the control of the Section as we are subject to the space, staff and food quantity constraints faced by our providers. While we will do what we can to accommodate late reservations and walk-ins, we cannot guarantee that accommodations will be able to be made.

Dinner prices for students will remain at \$20.

As an added benefit for our members who are government/public agency employees, a discounted dinner price of \$20 will be available.

As always, participants are welcome to attend the presentation portions of our meetings without dinner at no charge.

Please keep in mind that these prices apply to those meetings for which our Section is the sponsor. For joint meetings that are sponsored by other organizations, the price structure of the sponsoring organization will govern. Information on meeting prices will be provided in the advance announcement for each meeting in our e-mail blasts, on our website, and in *THE NEWS*.

DELAWARE VALLEY GEO-INSTITUTE (DVGI)

The DVGI tentative schedule of meetings for this season is as follows:

NOVEMBER 15, 2011 – NICO SUTMOLLER (INSULFOAM)

Geofoam as a Lightweight Fill Material

JANUARY 17, 2012 – BOB AND GEORGE KOERNER

Geosynthetics Issues with Marcellus Shale Development

FEBRUARY 22, 2012 – STUDENT NIGHT (VILLANOVA)

Please visit the DVGI website (www.dvgi.org) for updates and more information.

SCHOLARSHIPS

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Submittal Deadline:

- Applications (including recommendations) must be submitted by **January 30, 2012**.
- Scholarship winners will be notified by February 27, 2012.
- Applications and recommendations should be submitted by mail or email to:
Mr. Jeff Bade, Scholarship Committee Chair
American Society of Civil Engineers
215 South 16th St., Ste. 16
Philadelphia, PA 19102
jbade@hardesty-hanover.com,
(609) 538-8233

SECTION MEMBER SCHOLARSHIP

At least one \$1,000 scholarship will be awarded by the Section an undergraduate Civil Engineering student who is the child of an active Philadelphia Section member and meets the following requirements.

Eligibility Requirements:

- The applicant must be the child of an active Philadelphia Section member.
- The applicant must be matriculating in a full-time Civil Engineering or Architectural Engineering program at an accredited college or university.
- The applicant must be an active participant in the ASCE Student Chapter at his/her school.
- The applicant must be in their sophomore or junior year (and Pre-Juniors at Drexel).
- A letter of recommendation from a faculty member of the candidate's Civil Engineering program (other than his/her advisor), or a present or past employer, is required.

Application requirements and submittal deadline are the same as for the Student Scholarship above.

We encourage all eligible students to apply. Good luck!

MEMBERS IN THE NEWS

NAWN CITED BY PSPE, MOVES TO CZOP/SPECTER

John Nawn has recently become an Executive Vice President at Czop/Specter Inc. at the firm's office in Worcester, PA. He is licensed as a Professional Engineer in 7 states and certified as a Professional Traffic Operations Engineer (PTOE). He is a Fellow member of the American College of Forensic Examiners Institute. He currently serves as the Southeast Regional Vice President of the Pennsylvania Society of Professional Engineers (PSPE).

PSPE recently cited John as the recipient of its 2011 Engineer of the Year Award. Congratulations to John on this honor!

TRAVER PRESIDENT-ELECT OF AAWRE

Rob Traver, professor of Civil and Environmental Engineering at Villanova University in Philadelphia and Director of the Villanova University Stormwater Program (VUSP), was recently chosen as the President-Elect of the

ANACE*

TECH COMPANY TO BUILD SCIENCE GHOST TOWN IN NEW MEXICO

New Mexico, home to several of the nation's premier scientific, nuclear and military institutions, is planning to take part in an unprecedented science project — a 20-square-mile model of a small U.S. city.

A Washington, D.C.-based technology company, **Pegasus Global Holdings**, plans to build the state's newest ghost town to test everything from renewable energy innovations to intelligent traffic systems, next-generation wireless networks and smart-grid cyber security systems. Although no one will live there, the replica city will be modeled after a typical American town of 35,000 people, complete with highways, houses and commercial buildings, old and new.

The \$200 million project, known as **The Center**, will be a first of its kind in the U.S., creating a place for scientists at the state's universities, federal labs and military installations to test their innovations for upgrading cities to 21st century green technology and infrastructure in a real world setting. It will also enable them to rub shoulders with investors, meaning it could ultimately draw enough new businesses to give the state a technology corridor like that in California's Silicon Valley or Virginia's Reston.

Pegasus developed the idea for The Center following its own challenges in trying to test new and emerging technologies beyond the confines of a sterile lab environment. The Center will allow private companies, not for profits, educational institutions and government agencies to test in a unique facility with real world infrastructure, allowing them to better understand the cost and potential limitations of new technologies prior to introduction. For instance, developers of solar technology would be able to assess exactly how their systems would be delivered and used in one house where the thermostat is set at 78, and another where it's set at 68. The Center could also help show how efficient it might be in an old building versus a new one.

Pegasus and the state have been working on the project for about 18 months. A public-private advisory board will be appointed and a site will be selected on state-owned land. The ghost town will make money by charging user, operation and maintenance fees, selling energy to the grid, and subleasing some of its state land for the development of office buildings, hotels and restaurants.

*ANACE – Almost Nothing About or Concerning Engineering

American Academy of Water Resources Engineers (AAWRE).

MENNA CITED BY SOUTH PHILLY REVIEW

Chris Menna was highlighted as a 2011 Difference Maker by the *South Philly Review*. Please visit the following for the entire story — <http://www.southphillyreview.com/news/features/Chris-Menna.html>.

SECTION PLANNING EVENTS FOR 100TH ANNIVERSARY

1913 was a good year, or so we've been told. The world was a much simpler place. No one carried a smart phone or similar device. Coast-to-coast travel was by train — there were cars, but no passable roads existed for one to complete the journey that way, and with the Panama Canal still under construction (it would open the following year), this trip by ship involved a lengthy journey around Tierra del Fuego and Cape Horn at the southern tip of South America. Mass media was newspapers and silent movies.

The passage of the 17th Amendment to the Constitution that year changed the way members of the United States Senate were elected. Prior to this Amendment, state legislators elected their states' Senators. Starting in 1914, they would be subject to popular vote. It was also the last year that there was no federal income tax, bringing the acronym IRS into the lexicon. Whether either of these were innovations is your call!

Engineers were busy making our marks, helping the world modernize, and our own Philadelphia Section was established on June 4. The Section has grown and thrived since then, and we continue to contribute to the quality of life in all that we do.

Starting next spring, we will begin a year-long celebration of this anniversary. Events are now being planned to cite this, and information on these will be provided in coming editions of *THE NEWS*.

We have formed a 100th Anniversary Committee which is assembling these plans and coordinating events. If you would like to be part of this group, please contact President Tomala-vage for more details (contact information is provided on page 2).

Additionally, we are about to start a contest to select a theme and logo to highlight our 100th anniversary. Submissions will be requested from members on both and these will be posted on our website in February where members will be invited to view the submissions and vote for their favorites. The winning theme and logo will be announced in the spring. Prizes will be awarded to those who submit the winning theme and logo. More details on this contest will be provided in the December edition of *THE NEWS*.

THANKS TO OUR SPONSORS

We would like to thank our 18 (yes, 18!) sponsoring firms thus far. We extend our special and collective THANKS to each sponsor for their financial commitment and support.

Sponsor's business cards are printed in *THE NEWS* and their logos are displayed in a special Sponsors section of our website. Additionally, we provide direct links to sponsors' own websites so prospective employees can review all available and up-to-date positions.

If you have an interest in joining our sponsorship program, please contact **Bob Wright** at newseditor@asce-philly.org for more details.

TECHNICAL GROUPS/CHAIRS

Information on the ASCE, Philadelphia Section's Technical Groups is given below. Director **Keith Yamatani** will be coordinating the activities of the Groups. If you have any topics that you think would be of interest to the Groups, please feel free to pass this information along to the appropriate Group Chair.

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The Chair position is currently open (see below).

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128 Regency Dr
Norristown, PA 19403-1755
610-630-1660
edonofrio@esdesignllc.com

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STILL LOOKING...

You're still seeing our "Want Ad" for an energetic, enthusiastic and driven individual to take on the chair of the Engineering Management Technical Group, as we are still in search of a Chair to fill this vacancy. The basic duties of the Chair are the direction of the Group, the planning of a program of events for the season (meetings, tours, etc.), coordination with the Section Board and other Technical Groups, and related duties.

Anyone who may have an interest or has questions about the position should contact **President Ann Tomalavage** (contact information is given on page 2).

DECEMBER DINNER MEETING

Continued from Page 1

More information and details on price and reservations will be provided in the December edition of *THE NEWS*.

ENVIRONMENTAL & WATER RESOURCES TECHNICAL GROUP

Luncheon Meeting

WEDNESDAY, NOVEMBER 2, 2011

SUBJECT: In-Situ Groundwater Remediation Programs

SPEAKERS: Mike Mazzaresse, Program Manager, Vironex and Eric Lindhult, P.E., Senior Project Manager, GZA GeoEnvironmental, Inc.

TIME: 12:00 NOON-1:15 PM (11:45 AM Registration)

LOCATION: Department of Environmental Protection – Southeast Regional Office, 2 East Main Street, Norristown, PA 19401

DIRECTIONS to the DEP office (both by car or public transportation) can be found at http://www.portal.state.pa.us/portal/server.pt/community/southeast_regional_office/13778/directions/593147

PARKING is available in various lots

COST: \$15.00 per person; \$10.00 per full-time student (includes lunch)

RSVP's due by Monday, **October 31**

Mr. Mazzaresse will provide a general overview of in-situ injection programs for remediating groundwater and soil. He will review data requirements for proper site characterization prior to the design and implementation of an injection program, and discuss injection techniques for proper distribution. Mr. Mazzaresse and Mr. Lindhult will discuss in-situ chemical oxidation (ISCO) and enhanced bioremediation additives and under what biogeochemical conditions and chemical impacts they are most appropriate. They will provide case studies for various types of impacted sites.

Post reservations to the website: www.asce-philly.org. Payment by PayPal can be done from the ASCE reservation website. Payment by check can be sent in advance to: Philadelphia Section ASCE, 215 South 16th St., Suite. 16, Philadelphia, PA 19102-3349. Checks should be made payable to "Philadelphia Section ASCE." Reservation cancellations must be made 48 hours in advance or you will be charged for the meeting.

Contact **Eve D'Onofrio** at 610-630-1660 or **Eric Lindhult** at 267-464-3613 if you have any questions.

Attendees are eligible for one (1) Professional Development Hour (PDH).

Dinner Meeting

TUESDAY, JANUARY 3, 2012

SUBJECT: Restoration Efforts on Tacony Creek and Cobbs Creek

SPEAKER: Rick Howley, Philadelphia Water Department

More information will be provided in the December edition of *THE NEWS*.


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1700 Market Street, Suite 1600
Philadelphia, PA 19103
T 215.735.0832 F 215.735.0883



Keith S. Yamatani, PE
Sr Geotechnical/Civil Engineer
610-430-7866
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