

**ASCE, PHILA. SECTION
 MEETING SCHEDULE
 2011-12**

The ASCE, Philadelphia Section Meeting program for the upcoming season is still a “work in progress” in some ways, and our meeting program committee is busy lining up speakers and topics for what we hope will be an interesting and informative series of meetings. The TENTATIVE “save the dates” have 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 5:30PM, dinner at 6:30PM, and the meeting presentation following at approximately 7:30PM, 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.

2011

December 7 (NOTE: Wednesday) – “Multi-Society” Joint Meeting with Society of American Military Engineers, Engineers’ Club of Philadelphia and others

2012

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

February 9

March 8

April 12

OCTOBER DINNER MEETING

American Society of Civil Engineers, Philadelphia Section

THURSDAY, OCTOBER 13, 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: Grays Ferry/DuPont Crescent

SPEAKER: Joseph R. Syrnick, P.E., PLS, President and Chief Executive Officer, Schuylkill River Development Corporation/Schuylkill Banks

RESERVATIONS MUST BE SUBMITTED BY FRIDAY, OCTOBER 7.

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, or via e-mail at info@asce-philly.org. 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.**

The completion of the Grays Ferry “Crescent” (formerly known as the DuPont Crescent) portion of Schuylkill River Park, along the east bank of the river from 34th Street to Wharton Street, provides long-awaited access to the river for neighborhoods in South and Southwest Philadelphia. The project provides a 3700 foot-long bicycle and pedestrian trail, plus several walking trails totaling another 1600 feet.

Lawn areas allow casual activities such as picnicking, throwing a Frisbee or playing catch, and meadows of native grasses will provide a natural beauty to the area. New amenities along the greenway provide fishing and viewing opportunities. Benches, lighting, and trash receptacles have

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Resolve to attend ALL Section Meetings This Year!

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: Restoration of the Race Street Pier (Pier 11)

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



PRESIDENT'S MESSAGE

It's that time of year: time to get into "back-to-school head." I've always had a love-hate relationship with early Fall. While I loved school, I enjoyed summer more, and I was always sad to give up the summer days that seemed to have no boundaries.

This summer, as in past summers, the ASCE, Philadelphia Section Board held a retreat to set goals for the coming year. Here are the strategic projects we'll be focusing on:

1. **Continuing Education Professional Development Hours (PDHs).** This committee has been working throughout the summer to make sure our programs comply with the new continuing education requirements impacting our members.
2. **100th Anniversary Planning.** Next year, we'll be celebrating 100 years of service to our members and community. Look for a fitting party!
3. **Great Topics for Our Technical Meetings.** For our Section dinner meetings, we'll be focusing primarily on technical topics, so that the hour will count as a PDH toward maintaining our Professional Engineer registrations. Our Technical Groups have been offering and will continue to offer technical talks at their meetings.
4. **Speakers' Bureau.** This goes hand-in-hand with our mission of outreach to colleges, high schools, elementary and middle schools, and the community. We will be working with the Engineers' Club of Philadelphia (ECP) to set this up.
5. **Infrastructure Outreach.** We all know that our infrastructure needs more than just a facelift. We have decided that it's time for us to develop a talk we can take to community groups like chambers of commerce, Rotary, Lions, etc., to encourage voters to make informed decisions about infrastructure funding, both at the polls and with their representatives.
6. **Increase Government Employee Attendance.** Some of our members who work for federal, state, or local government aren't reimbursed for Section meeting attendance.

There will be plenty of opportunities for you to bring these goals to fruition. Just see me or any other board member. So get involved, help us out, give us ideas for speakers, topics, and venues. Let us know what YOUR goals are for the Section. Help us plan for the 100th anniversary celebration. Help us reach out to schools, our legislators, and the public. With YOUR help, we can have our best year yet!

Sincerely,

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

YOUNGER MEMBER FORUM NEWS

James Graham, Forum Editor

Jeremy Chrzan, Forum President 2011-12

Pennoni Associates, Inc.

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Philadelphia, PA 19104

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PHILLIES GAME – AUGUST 23

In sports, 120 YMF members from the Philadelphia, Delaware, and South Jersey YMFs attended the annual Phillies game (against the Mets, whom the Phightins beat!). The Philadelphia YMF was able to donate \$179 to **Philabundance** thanks to the generosity of our tailgate party attendees! Thanks to all who attended and those who contributed to the donation.

UPCOMING EVENTS

We have some great events planned for the end of the summer and fall season. We'll be hosting construction tours of the 40th Street Bridge Reconstruction in West Philadelphia (late summer) and the Boeing Helicopter Factory Conversion (early fall), and organizing a joint bowling event with local ASCE College Chapters (see below). Stay tuned for details!

WELCOME BACK

At the start of each collegiate year, the YMF hosts a "Welcome Back" event for engineering students. This year the YMF has arranged for two hours of bowling at **Pep Bowl** in South Philadelphia on **Wednesday, September 28**. Students get in free, \$10 for all other attendees. Free appetizers and shoe rentals will be provided. Sodas and water will be available for purchase. Those over 21 are permitted to BYOB. Please **RSVP** at ymfphilly.org by **September 23**.

CAREER DEVELOPMENT SEMINAR

The YMF is hosting a **Career Development Seminar**, which will be held on **Tuesday, October 6** from 5:30 p.m. to 7:30 p.m. The YMF will be hosting this seminar at **Elephant & Castle Pub and Restaurant** in Center City and it will be headlined by Civil Engineer and bestselling author **Anthony Fasano, P.E.** This seminar is designed specifically for Engineers and will provide steps needed for Engineers to advance their careers in the industry. If you wish to attend, please RSVP... do not wait, space is limited!

2011-12 YMF BOARD ELECTION RESULTS

At our election happy hour on May 18, the YMF elected our new Board. The Board for the coming season is:

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

PRESIDENT

Ann M. Tomalavage,
Malarkey Consulting, Inc.

PRESIDENT ELECT

Jeremy Colello, Pennoni Associates, Inc.

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Jennifer K. Walsh, McMahon Associates, Inc.

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AnnMarie L. Vigilante, Langan Engineering
& Environmental Services

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Joseph Platt, Traffic Planning & Design, Inc.

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Eve D'Onofrio, ES Design LLC ('11-'13)

Spencer Finch, Pennsylvania Environmental
Council ('10-'12)

Marc Preim, STV ('11-'12)

Theodore Thomson, Pennoni Associates ('10-'12)

Keith Yamatani, Kleinfelder ('11-'13)

PAST PRESIDENTS

Thomas W. Brady, Louis Berger, Inc.

Kristen Bowman Kavanagh, Flow Science, Inc.

Mark J. Tiger, Michael Baker, Jr., Inc.

PRESIDENT, READING BRANCH

E. J. Walsh, McCarthy Engineering

*We wish these brave and generous folks our
collective good luck for the coming season.*

President – Ann M. Tomalavage, P.E.

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**COPY DEADLINE FOR
NOVEMBER '11 ISSUE
OCTOBER 13, 2011**

THE 2011 SPRING SOCIAL — “ON YOUR MARK, GET SET...”

It seems that our ASCE, Phila. Section might have gone a little “NASCAR” on a warm day in mid-May when we celebrated the close of our 2010-11 season through our annual Spring Social. The “NASCAR” reference unfairly describes the interesting **Simeone Foundation Automobile Museum**, the venue for the event, nestled away behind car dealerships and parking lots in the Auto Mall in Southwest Philadelphia, containing a private collection of race cars for our viewing pleasure. Roughly 80 members and guests attended the Social and enjoyed the camaraderie along with the usual year-end festivities.

Outgoing Section President **Tom Brady** put things in the “pole position” and started things up for the evening once attendees had their chances to view the collection and socialize, followed by an invocation by Past President **Ruben David**.

The evening later featured the traditional induction of new Officers and Board Members as a main order of business. Region 2 Governor and Past Section President **Chris Menna** ably administered the Oath of Office to the new Officers as well as those completing the second years of their terms. President Brady later welcomed his successor, incoming President **Ann Tomalavage**, who took the gavel and revved things up to take us to the finish line and close the evening.

The Section’s first-place winners at the Delaware Valley Science Fairs were invited to attend and display and discuss their winning projects. The Grades 6-8 First Place winner, **Alyssa Eggly**, in the 6th grade at Alder Avenue Middle School in Egg Harbor Township, NJ, whose project was *Breaking Bridges*, could not attend. However, **Jessica Oriente**, a 9th grader at Villa Joseph Marie School in Holland, our Grades 9-12 First Place finisher, was at the Social with her parents and explained her experiment on *Swaying Bridges* to all who stopped by. (Can you guess two of our three Science Fair judges are Bridge Engineers?)

The Section Awards for 2011 featured five recipients who were highlighted mainly through the audiovisual show that has been produced for this purpose (and well-received, at least we hope) for many years. Information on each of the awardees follows.

PHILADELPHIA CIVIL ENGINEER OF THE YEAR

Our 2011 nominee for the highest honor of our Section’s awards program, the *Philadelphia Civil Engineer of the Year* award, was **Timothy H. Haahs**. Tim is the President and Chief Executive Officer of Timothy Haahs and Associates, which is headquartered in Blue Bell. He founded his firm in 1994, and it has expanded from a staff of 3 people to its current complement of nearly 40 employees, with recently-added satellite offices in Miami, Atlanta and New Brunswick, NJ. His firm has become one of the leading architectural and engineering firms which specializes in the planning and design of mixed-use parking structures.

Tim has expanded the company’s focus to include master planning services as the role of parking now often encompasses economic development and revitalization. The firm’s significant growth and strong reputation in the

parking structure field is a direct result of his determination and courage in leadership. It has received numerous project awards which recognize innovative ideas and techniques.

Tim received his Bachelor’s degree in Civil and Urban Engineering from the University of Pennsylvania in 1979 and followed with a Master’s from Penn in 1984. He is an active member of several technical societies and industry groups and has served as a Board member of the Section.

PHILA. YOUNG CIVIL ENGINEER OF THE YEAR

Michael Wagner is our *Young Civil Engineer of the Year* for 2011. Mike is a structural engineer at Urban Engineers at the firm’s headquarters in Center City. He has been with Urban for the past eleven years and began his career with the firm’s Bridge Engineering practice area. Recently, he has been assisting Urban’s Marine Engineering practice in several assignments requiring structural design and expertise. His general concentration is in the design of structural support systems, evaluation and condition rating of existing structures, construction consultation, and related activities.

Mike graduated from the University of Hartford with a Bachelors degree in Civil Engineering in 2000 and returned to school locally at Drexel University to obtain his Masters degree in 2003. He is a Registered Professional Engineer in Pennsylvania. He has been an active member of our Section’s Younger Member Forum for the past eight years and is completing his term as Forum President this season.

GEOTECHNICAL ENGINEER OF THE YEAR

Our *Geotechnical Engineer of the Year* for 2011 is **Ara G. Mouradian**. Ara serves as a Senior Associate and Geotechnical Department Manager at Gannett Fleming’s local office in Valley Forge. He has been with Gannett for the past eleven years. He additionally serves as Vice President of Quantum Geophysics, a division of Gannett. He has responsibility for the management and technical review of geotechnical activities, including subsurface investigation, foundations for rail, bridge, highway and building projects, design of dams and earth structures, and review of geotechnical construction activities. He has been involved in the geotechnical design of multimillion dollar transit and rail, department of transportation, and vital infrastructure projects, both locally and nationally. Locally, he has played a key role on efforts on the Jenkintown Regional Rail station reconstruction, PennDOT’s District 6 bridge replacement program, and the Pennsylvania Turnpike-I-95 interchange.

Ara earned his Bachelor’s degree in Civil Engineering at the American University of Beirut in 1984, with a Master’s degree from Concordia University in Montreal in 1993. He has also completed several doctorate-level courses at McGill University in Montreal. He serves as the current Chair of the Section’s Delaware Valley Geo-Institute.

ENVIRONMENTAL WATER RESOURCES ENGINEER OF THE YEAR

The Section’s 2011 *Environmental Water Resources Engineer of the Year* is **Thomas G. May**. Thom serves as a Vice President and Associate at Urban Engineers at its headquarters in Center City. He has been with Urban for the past sixteen years, and is approaching a total of 40 years of Engineering service. He serves as the Director of Environmental Services for the firm, and in this capacity, he manages a staff of Engineers and Scientists who perform environmental studies and assessments, civil/site design, and geotechnical engineering. He has played a key role in numerous environmental remediation, stormwater management, sustainable measures, and related undertakings, ranging from small-scale efforts to large multi-million-dollar projects. He is currently leading the effort to evaluate the effects of Philadelphia’s new stormwater management and mitigation program on property owners for the City’s Water Department.

Thom received his Bachelor’s degree in Civil Engineering from the Michigan Technological University in 1969 and obtained a subsequent Master’s degree in Environmental Health Engineering from Northwestern University in 1971. He is an active member of several professional societies in addition to ASCE and serves as a Past President and Board Member of the Philadelphia Post of the Society of American Military Engineers. He is a Registered Professional Engineer in five states and is an accredited professional in leadership in energy and environmental design.

STRUCTURAL ENGINEER OF THE YEAR

Carl A. Baumert, Junior has been selected for our *Structural Engineer of the Year* award for 2011. Carl is a Senior Consultant for Keast and Hood at its office in Center City Philadelphia. He joined a predecessor firm of Keast and Hood in 1953 after leaving military service. Following short stints at other companies, he returned to Keast and Hood in 1963 as a Principal, a title he held until 1995. Since then, he has served the firm as a Senior Consultant. Throughout his career, he has directed the structural engineering and design aspects on numerous major building projects, both new construction and renovation, ranging from the former J. C. Penney’s store at the Gallery to historic monuments, churches and landmarks, including our own City Hall. In his capacity as Senior Consultant, his current focus is directed toward building assessment and rehabilitation efforts.

Carl graduated from the Drexel Institute of Technology in 1951 with a Bachelor’s degree in Civil Engineering. He is a member of several professional societies in addition to ASCE, where he enjoys Life Membership status. He has been an active member of ASCE’s Committee on the Assessment and Rehabilitation of Buildings for nearly 30 years.

THANKS TO...

Special thanks are extended to those who helped make the Spring Social a success once again this year. This includes the Program Committee (chaired ably by **Jenn Walsh**, with the assistance of **Tom Brady**, **Jeremy Colello**,

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).

SPRING SOCIAL AWARDS

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Joe Platt, AnnMarie Vigilante and Bob Wright), the Awards audio narrators, who once again stayed inside on a nice spring evening to donate their voices to the effort (**Tom Brady, Kristen Bowman Kavanagh and Bob Wright**), and the Awards Committee (**Carol Martsoff, Allan Moore and Bob Wright**).

The Section's Social Committee is already thinking about topping this event and considering locations and details for the 2012 Social. We hope to have information on this early in the new year.

STRUCTURAL ENGINEERING INSTITUTE

Dinner and Technical Meeting

TUESDAY, SEPTEMBER 27, 2011

SUBJECT: The Fabrication, Erection and Restoration of Pennsylvania's Steel Bridges

SPEAKER: Robert Cisneros, P.E., Chief Engineer, High Steel Structures, Inc.

TIME: 5:30 PM Social (cash bar) and Registration; 6:15 PM Dinner (chicken/fish/vegetarian – please advise selection); 7:00 PM–8:30 PM Program

LOCATION: Radisson Valley Forge Hotel/ Scanticon Hotel and Conference Center,

1160 1st Avenue, King of Prussia

COST: \$50.00; spouses and guests, \$40; students, \$15

RESERVATIONS/QUESTIONS: Please e-mail **Dr. Ali Khan** at mohidin@temple.edu; phone: **609-332-1136** by **September 25**. Mail check payable to SEI-Phila Chapter and send to SEI Treasurer Khalid Shaikh, c/o Invision Engineers, Two Penn Center Plaza, 1500 JFK Blvd, Suite 200, Philadelphia, PA 19102.

Attendees are eligible to earn 1.5 Professional Development Hours (PDH).

The bridges in the urban and semi-rural locales present a number of intriguing features in bridge engineering subject areas such as architectural, aesthetic or environmentally curved/merging/divergent/skewed bridge geometries; complex weldments, shop & field assemblies; traffic staging and jacking under live loads; construction loadings, false work support systems & horizontal forces. High Steel Structures, Inc has detailed, fabricated, hauled or erected steel bridges for several projects in the Montgomery, Chester, Philadelphia, and Delaware County areas. Mr. Cisneros will explore interesting and occasionally unusual detailing, fabrication, welding, transportation and erection considerations that arise, along with some solutions which worked well on these projects.

SPONSORS IN THE NEWS

KMJ CONSULTING, INC. RECOGNIZED ON THE PHILADELPHIA BUSINESS JOURNAL'S WOMEN-OWNED BUSINESS LIST

KMJ Consulting, Inc. is pleased to be recognized as a new member of the *Philadelphia Business Journal's List of the top 100 Women-Owned Businesses*. The list was announced at the inaugural *Philadelphia Business Journal Women's Conference* held on July 20 at the Crystal Tea Room in Philadelphia. The conference benefitted the Philadelphia chapter of Susan G. Komen for the Cure and featured a panel discussion moderated by CBS 3 Anchor **Pat Ciarrocchi** with some of Philadelphia's top women executives, including **Lynn M. Utter**, President and COO, Knoll North America; **Kim Van Utrecht**, Chesapeake District Operations Manager, UPS; and **Audrey Zibelman**, President, CEO & Founder, Viridity Energy.

SPONSOR PROFILE

PENNONI ASSOCIATES, INC.

Pennoni Associates Inc., established in 1966, is a multi-disciplined engineering and design consulting firm that provides personalized services and solutions to meet the needs of our diverse clients. Pennoni employs 950 professional, technical, and administrative personnel in 28 offices throughout Pennsylvania, New Jersey, Delaware, New England, Maryland, Virginia, and New York. Pennoni provides services to local, state, and federal governments, private, commercial, industrial, and construction clients as well as to other professional firms. Pennoni Associates' service lines include construction services, energy and sustainability services, environmental, geotechnical, laboratory testing, landscape architecture, materials testing and inspection, MEP, municipal, planning, site design, structural, survey and geomatics, transportation and water and wastewater.

Pennoni has been recognized as a Best Places to Work in both Pennsylvania and New Jersey. Pennoni is an employee-owned firm and has had an ESOP program in place since 1993, with the ESOP being the majority owner since 2003. The firm is proud to have been a part of some of the Philadelphia area's most noteworthy projects, including the Cira Center, Citizens Bank Park, the Comcast Center, PPL Park, and the Tasty Baking Facility at the Philadelphia Navy Yard.

OCTOBER DINNER MEETING

Continued from Page 1

been installed along with a utility building to ensure proper maintenance of the greenway.

Access points to this new trail segment exist 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 in Fall 2011.

This project was designed by Urban Engineers with landscape design by Simone Collins Landscape Architects. Funding of this \$2 million project was provided through a collaboration of federal, state and city sources.

Mr. Synchrony has led SRDC since 2005, following a 35-year career with the City of Philadelphia Department of Streets. He served as the Department's Chief Engineer and Surveyor for his last 18 years at the City. He has been an active member of the Section, including a term as Section President in 1980-81, and has served as a National Director.

**HISTORY HAS MADE US FRIENDS.
ECONOMICS HAS MADE US PARTNERS,
AND NECESSITY HAS MADE US ALLIES.**

– John F. Kennedy

PHILADELPHIA LOW IMPACT DEVELOPMENT SYMPOSIUM

GREENING THE URBAN ENVIRONMENT

PHILADELPHIA – SEPTEMBER 25-28

Sponsored by the Urban Water Resources Research Council and the Stormwater Infrastructure Committee, this event will bring three separate organizations together at a single venue in the Philadelphia region. Each of these conferences has a different tradition which is blended together to enhance the experience while addressing each groups needs. The conference hotel has been chosen to be the Loews in Center City. Philadelphia is looking to Green its city to address its CSO permit and to improve life in the city.

The 5th National LID Conference is focused on bringing together the technical community to share ideas on how to build our cities while protecting our environment. The concept of LID is to simply not create the problem, and to utilize the natural environment in addressing changes to the water quality and quantity. The Conference is supported by the Urban Water Resources Research Council and the Stormwater Infrastructure Committee.

The 19th National NPS Monitoring Workshop is an important forum for sharing information and improving communication for controlling and monitoring NPS pollution issues and projects. Lessons learned and information presented at this workshop will assist local project sponsors in the implementation of GLRI funded and other watershed projects.

The 2011 Pennsylvania Stormwater Management Symposium is conducted to advance the knowledge and understanding of sustainable stormwater management for those dealing in all aspects of planning, design, construction, maintenance and operations, and regulatory compliance. The conference is held every two years at Villanova University, but has been moved to join with the other two assemblies.

For more information, visit www.bae.ncsu.edu/stormwater/2011lid/.

YMF NEWS

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President: Jeremy Chrzan

Vice President: Kazi Hassan

Secretary: Chris Gray

Treasurer: Drew Sirianni

Assistant Secretary: Stephen Maakestad

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Technical Groups: Marc Preim

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Outreach Coordinators: Adrienne Nikolic,

Ben Bruening and Bradley Sands

Community Service: Alex Sopin

South Jersey Liaison: Zach Suralik

IT Chair: Chris Renfro

College Contacts: Colette Montague and

Jesse Gormley

Social Media: Jon Miller and Scott Cepietz

YMF Newsletter: James Graham

Past President: Mike Wagner

UPDATE ON PROFESSIONAL DEVELOPMENT REQUIREMENTS

As you may be aware, professional engineers, land surveyors and geologists in Pennsylvania are required to obtain continued professional development (CPD) credit to renew their licenses in 2011. This is effective as of October 1, 2009.

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. Basically, a licensee will need to have 24 professional development hours' (PDH) worth of valid instruction, training, etc. to be able to renew his/her license. Generally, this allows an hour to be counted more than once for licensees holding more than one license (e.g. someone with a PE and a PLS). Additionally, there are some caveats and late changes that have been applied for this, including the ability to count up to 12 PDH's you may have acquired as far back as October 1, 2007 and the counting of a limited number of PDH's earned through April 2012 toward the current renewal. Also, for those of you having more than you need, up to 12 PDH's can be carried forward for the next (2011-13) licensure period.

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. Please visit the New Jersey State Board of Professional Engineers and Land Surveyors website for more information on this (www.nj.gov/lps/ca/pels/pels_licensee.htm). 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 info.

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.

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:

OCTOBER 18, 2011 – ROBERT HOLTZ; USA CROSS-COUNTRY LECTURE

Geosynthetic Reinforced Retaining Walls + Geophysics Short Course

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)

ANACE*

OVERBROOK-PAOLI MAIN LINE: A LIVING "MUSEUM" CLOSE TO HOME

As we look forward to our ASCE, Phila. Section's 100th anniversary next season, we look back at some of the local projects and events that date to our early days (or, in many instances, pre-date us). For the most part, these projects are still in use.

One example is what we know as the "Main Line." While this is generally the collection of communities along Lancaster Avenue in the northwest suburbs, the community got its name from the railroad. The Philadelphia Chapter of the National Railway Historical Society (NRHS) provided this excellent brief history in the August edition of *Cinders*, its monthly newsletter. We are grateful to its author, **Frank Tatnall**, and the *Cinders* staff for permission to reprint it for your enjoyment.

It was 180 years ago that the State-sponsored Main Line of Public Works began building a railroad to connect Philadelphia with the Susquehanna River. In 1915 the successor Pennsylvania Railroad (PRR) completed its electrification project as far west as Paoli, through the suburbs that had adopted the term "Main Line" as their common identity. Meanwhile, residents of those communities created a tremendous demand for commuter service to the city, which in effect forced the PRR to electrify. But over the 96 years since electrification there have been remarkably few physical changes to the 14.5 miles between Overbrook and Paoli.

As a result, we have a unique "operating museum" in our backyard, which at the same time is a heavily-traveled passenger railroad. Title to the property was conveyed from the PRR to Penn Central in 1968 and then to Conrail in 1976, but Amtrak has owned what is now known as the "Keystone Corridor" for the past 34 years. SEPTA is a tenant, providing local commuter service to and from Philadelphia.

Consider the following points that contribute to the historic character of the railroad between Overbrook and Paoli.

All in-service signals are of the original PRR three-position-light variety. Even today, only the #3 track is signaled for both east and westbound movements. (The two-way signaling on #3 allowed the PRR's fleet of long-distance trains to bypass the morning commuter rush from Paoli to Philadelphia.) The other three tracks still are signaled in one direction only, but all tracks are equipped with the innovative cab-signal system installed by the PRR in the early 1930's.

Two manned lineside switch towers ("Overbrook" and "Paoli") are among the last of their kind still in service in the U.S. (Four other manned towers survive on the Keystone Corridor, controlling sections of the line at "Zoo" in Philadelphia and at "Thorn," "Cork" and "State" west of Paoli.) As has been the practice for more than 125 years, dispatchers direct the movement of trains via the tower operators, as none of the railroad is remotely

controlled from the dispatching center.

Three interlocking plants, "Overbrook," "Bryn Mawr" and "Paoli," today are virtually unchanged from 60 or more years ago. They are controlled from the manned towers.

Almost all of the original 1915-vintage PRR tubular catenary poles remain in service, as well as much of PRR's wire and electrical infrastructure.

The original PRR 11,000-volt AC power system continues in operation (stepped up to 12,000 volts).

Fifteen PRR station buildings still are in use, ten of them dating from the 19th Century. Every station on the line has low-level platforms, except for the newly-installed high platforms at Wayne which supplement the original platforms.

There has been no shift in alignment of the railroad for over a century, except for a slight deviation at the I-476 highway bridge west of Villanova. The grade, which reaches a maximum of nearly one percent between Overbrook and Narberth, is unchanged.

All four original main tracks are in service. They were laid mostly with old jointed rail until replaced in 2006-2007 with welded rail and concrete ties, which allowed an increase in speed from 70 to 80 mph on the inside tracks.

Several of the classic PRR stone-arch bridges remain in service. The oldest is the Conestoga Road underpass in Devon which predates the expansion of the line to four tracks and is so low and narrow (just eight feet vertical clearance) that only one automobile can pass through it at a time. Among the larger stone-arch bridges still in use are those at Roberts Road in Bryn Mawr, Airdale Road in Rosemont and Wynnewood Road in Narberth. Numerous other highway bridges, both overhead and undergrade, are supported by century-old stone abutments.

To complement the throwback nature of the physical plant, most passenger cars operating on the Philadelphia-Harrisburg line – both Amtrak and SEPTA – have reached or exceeded their normal service lives. They were built anywhere from 30 to 48 years ago, the only exceptions being SEPTA's somewhat-younger push-pull coaches used during rush hours and a handful of recently-delivered Silverliner V cars.

While Amtrak, PennDOT and SEPTA have ambitious plans to rebuild all of the Keystone Corridor to a state-of-the-art railroad, until now most attention has been focused on replacing track and upgrading the catenary and signal systems west of Paoli. Converting the entire 102-mile Harrisburg line to centralized train control, modernizing the electrical infrastructure, constructing new stations at Ardmore and Paoli, stringing new high-voltage transmission lines and replacing obsolete interlockings, will cost hundreds of millions of dollars. (Even then, some of the features mentioned above will not significantly change.) It will be years before all of the planned modernization is completed, at which time one of America's last bastions of traditional rail technology on a heavy-duty railroad finally will move into the 21st Century.

IF YOU HAVE A DESIRE TO OPERATE HEAVY EQUIPMENT...

When you visit or glance at a construction site, do you envy the folks who get to run that interesting, big equipment? If you do, your "ultimate destination" may be awaiting you in Las Vegas. **Dig This** is a five-acre theme park that offers bulldozers, excavators and other heavy construction equipment for use for patrons 14 years old and over. The owner, **Ed Munn**, calls this a place for those who "haven't grown out of their sandboxes." Packages ranging from \$210 to \$750 are available if you're looking for ideas for that next vacation. More information is available at www.digthis.info.

**ANACE – Almost Nothing About or Concerning Engineering*

FACULTY POSITION OPEN AT TEMPLE

Temple University's College of Engineering is continuing its rapid expansion in its research and education endeavors, including procurement of additional space and a new science, education, and research tower.

In striving for further growth and continued excellence, the Department of Civil and Environmental Engineering has an immediate opening for a non tenure-track faculty position at the rank of Assistant or Associate Professor. Candidates are expected to possess a Ph.D. in Civil Engineering with specialization in Structural Engineering. Candidate must have a record of excellence in academic and professional achievements in Structural Engineering with credentials appropriate for appointment at the rank desired. Additional requirements are an undergraduate degree in Civil Engineering and a Professional Engineering license. The successful candidate will be expected to teach undergraduate and graduate Engineering mechanics courses and structural courses, such as, steel and concrete design, structural dynamics, earthquake design, numerical methods and computer applications, as well as other Civil Engineering-related courses.

The salary is highly competitive and based on rank, academic background, professional experience, communication skills, and potential for excellence in teaching. Review of applications will start immediately and continue until the position is filled. Detailed information about the University, College, and the Department can be obtained at www.temple.edu/engineering.

Applicants should email a curriculum vitae, a statement of interest and professional goal, and the names and addresses of four references to ceed@temple.edu. College of Engineering is located at 1947 N. 12th St., Philadelphia, PA 19122. Temple University is an Equal Opportunity/Affirmative Action Employer. Applications from women and minorities are strongly encouraged.

THE ACHIEVEMENTS OF AN ORGANIZATION ARE THE RESULTS OF THE COMBINED EFFORT OF EACH INDIVIDUAL.

– Vince Lombardi

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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ENGINEERING MANAGEMENT

The Chair position is currently open (see below).

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You won't see many **Want Ads** in *THE NEWS*, but here's one. As previously reported last month, the ASCE, Phila. Section is still looking for an **energetic, enthusiastic and driven individual** to take on the **Chair of the Engineering Management Technical Group**. Our previous Chair has stepped down after several successful years at the "helm" of the Group.

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).

NEWS/EVENTS FROM ASCE NATIONAL

NEW NATIONAL PRESIDENT-ELECT

Congratulations to **Gregory E. DiLoreto, PE, PLS, F.ASCE**, Chief Executive Officer of the Tualatin Valley Water District serving the western metro area of Portland, OR, elected by ASCE members as the Society's President-elect for 2012. DiLoreto, whose deep involvement in the Society spans more than 30 years, will work alongside 2012 President **Andrew W. Herrmann, P.E., SECB, F.ASCE**, and succeed to the presidency in 2013. DiLoreto will assume his new role during the Society's annual business meeting this October in Memphis.

In this summer's election, ASCE members also were voted into several other leadership positions at the national and regional levels. Our own **Chris Menna** was elected for another term as Region 2 Governor as well. Also, two amendments to ASCE's constitution were approved. More detail on the election is provided on the website, www.asce.org.

141ST ANNUAL CONFERENCE – WE'RE GOIN' TO GRACELAND, GRACELAND!

...Memphis, Tennessee (with apologies to Paul Simon). Now that you can't get that song out of your head...

The **2011 ASCE Annual Conference** will be held **October 20-22** in Memphis, TN, with the theme *Sustainable Infrastructure – Civil Engineering Solutions*.

When individuals hear the term "sustainable infrastructure," they may think of green roofs, wind farms, or permeable pavements. Sustainable infrastructure is so much more than that. According to ASCE, "a sustainable civil infrastructure provides environmental, economic, and social well-being, now and for the future." As stewards of the natural and built environment, Civil Engineers have a leadership role in every facet of sustainability: in practice, in political advocacy, and in education. Be a part of defining the solutions and building a socially responsible and sustainable world.

As an added bonus, tours of the Graceland Mansion will be part of the non-technical offerings at the Convention.

THE DIFFERENCE BETWEEN THE RIGHT WORD AND THE ALMOST RIGHT WORD IS THE DIFFERENCE BETWEEN LIGHTNING AND THE LIGHTNING BUG.

– Samuel "Mark Twain" Clemens



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THANKS TO OUR SPONSORS – STARTING A NEW SEASON

We have started the season a bit strong in the sponsorship department, as there are 15 firms participating at this early point. We extend our special and collective THANKS to each sponsor for their financial commitment and support.

As you may have heard, we were able to invite each sponsor who participated last season to be represented as the Section’s guest at our Spring Social, and we were happy to see many of them taking advantage of this unadvertised benefit of sponsorship. At this point we are not sure if this will become a regular “perk” for sponsors, but we were happy to be able to provide this opportunity for those who have supported our activities.

Sponsor 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.

We contacted last year’s sponsors in mid-August to determine their interest for this season, so if you were “in” last year but haven’t yet renewed, we look forward to having you back.

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

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