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## Bentleys to Receive the George Washington Medal

In recognition of their contributions to engineering, The Engineers' Club of Philadelphia has selected Greg, Ray, Barry, and Keith Bentley for the 2011 George Washington Medal. These contributions include software solutions for infrastructure design, construction and operations that many of our engineering companies use, as well as their on-going support of educational outreach to students and encouragement for STEM education, most notably through the Future City Competition.



Roy F. Weston, PE; Hank Rowan, PE; C.R. "Chuck" Pennoni, PE; and Constantine Papadakis, PE, PhD.

Bentley Systems is the global leader dedicated to providing architects, engineers, geospatial professionals, constructors, and owner-operators with comprehensive software solutions for sustaining infrastructure. Founded in Philadelphia in 1984, with worldwide headquarters in Chester County, Bentley has grown to nearly 3,000 colleagues

in more than 45 countries and \$500 million in annual revenues.

The medals will be presented at a luncheon on **Wednesday, May 25, 2011**, 12:00 noon to 1:30 PM in Room 201A of the PA Convention Center.

A flyer with this information is available at <http://engrclub.org/to/Washington11-flyer>.

The cost for the luncheon is \$35.00 for Club Members who reserve on or before May 20 and \$45.00 for non-members and members after May 20. The Club expresses its appreciation to Bentley Systems, Inc. for its contribution to this luncheon.

Reservations can be made online at <http://engrclub.org/to/BentleyMedal>, emailed to [reservations@engrclub.org](mailto:reservations@engrclub.org), called in to 215 985 5703, or mailed to the Club office (checks payable to Engineers' Club of Philadelphia). (We will strive to accommodate walk-ins, but cannot guarantee a seat. No shows will be billed.)

The Club has been awarding the Washington Medal since 1967 for outstanding contribution to technological progress through engineering management. Some past recipients of this medal include



### Special Offer

In recognition of this award recognition, Bentley Systems has made this generous offer related to Be Together: The Bentley User Conference for attendees of the Awards Luncheon:

- A day pass for the conference for \$15 (a \$495 value) or
- A full Be Together Conference pass (for three days) for \$460 (a \$1,495 value)

Information on how to obtain the desired pass will be emailed upon registration for the luncheon.

**Be Together: The Bentley User Conference** has hundreds of learning sessions and hands-on workshops, plus keynotes, an interactive LIVE Zone exhibit and demonstration area, networking events, and more. For more information, visit [www.bentley.com/BeTogether](http://www.bentley.com/BeTogether).



#### Upcoming Events

- May 3: Affiliate Society Leadership Summit
- May 10: Legislative Day
- May 25: Washington Medal Luncheon
- May 31: Subsurface Utility Engineering
- June 21: ECP Annual Meeting

## President's Message



You are hearing from me again, so that's a good sign, since it means another Bulletin is reaching your mailbox (or e-mailbox, more likely). We have just conducted another successful meeting in conjunction with ASCE's Environmental and Water Resources Group, where we heard about the in-process changes in the way charges for stormwater will be assessed in Philadelphia and how measures can be imple-

mented to reduce the burden. Thanks to my colleagues at Urban Engineers, Thom May and Angelo Waters, for a great presentation on this.

The weather is getting warmer, even though the weather forecasters weren't necessarily keeping the spirit of April Fool's Day going with their predictions of a spring snow event. It was a little unsettling, particularly when the groundhog told us different, to see snowflakes on the first day of April, but we do know it has happened before. And, four days later, the thermometer hit 75, making us think good thoughts that nicer weather is on the horizon.

If you've read these messages before, you know I keep reminding you how much longer you'll have to put up with me as President. I'm certainly in no hurry to get to the last day in my term, but time marches on and it does indeed fly – it's a little surprising to me that I'm approaching 40% of my term being completed. This reality was reinforced by the recent announcement of the nomination of new Board members who will be inaugurated at our Annual Meeting in June. We will also be presenting the George Washington Medal to Greg, Ray, Keith, and Barry Bentley, with a ceremony/luncheon on

May 25. We are also hoping to host an Order of the Engineer ring ceremony this spring, so if you're looking to get your ring, stay tuned on that.

You have recently received a letter from me thanking you for renewing your Club membership for 2011, and I would like to thank you again here for your ongoing commitment. Thanks also to our corporate members – we have added some this year and hope to continue that trend. There is strength in numbers, as we find. (If you didn't receive this letter, please renew your membership with the Club.)

Speaking of strengths and numbers, we're hoping you can attend Legislative Day this year, to get some "face time" with your Pennsylvania state senator and/or representative. Legislative Day presents a unique opportunity for us to discuss our issues face-to-face with our representatives. We often complain that we aren't heard, and this is our chance to express the issues that are important to us to those who may be able to assist us. We hope to see you in Harrisburg on May 10.

As always, we appreciate the help that many of you have offered in taking on active roles in the Club's various committees. We welcome any assistance, so please feel free to let us know what you'd like to do and we'll certainly find something where we can put you to work.

Please feel free to pass along any suggestions, ideas, or thoughts you may have on how the Club can do what we do more effectively.

Bob Wright, PE, President

## Affiliate Society Leadership Summit - May 3

On May 3, the Club will host the spring Affiliate Society Leadership Summit. All engineering and technical societies in the Delaware Valley are invited to send one or more of their key leaders to this summit to discuss common issues related to engineering and the promotion of engineering. The purpose of all the summits is to gather the technical and professional societies to work collaboratively to advance the engineering profession.

The Summit will be at Pennoni Associates, 3001 Market Street, 2nd Floor, Philadelphia, PA 19104.

A light dinner will be served at 6:00 pm, followed by discussion on

- Future Summit Venues / Formats
- Engineer of the Year Nomination and Election Process
- Joint Public Relations Opportunities

- Philadelphia Engineering Foundation – Joint Student Outreach Opportunities

RSVP by Friday, April 29, 2011 by submitting the form at <http://engrclub.org/to/Summit11-05> or email the information to [reservations@engrclub.org](mailto:reservations@engrclub.org). Limited free parking is available, if requested in advance with RSVP (first come first served, information will be emailed prior to the Summit). Contact Susan Best for questions.



## ECP Spring Semester Courses

The Engineers' Club is offering courses which meet the needs of many practicing technical professionals. You can download the entire Spring 2011 Course Catalog in pdf format or peruse the online listings at

[http://engrclub.org/prodev/class\\_offerings.html](http://engrclub.org/prodev/class_offerings.html).

Some of the courses are eligible for professional development hours (pdh). It is the participant's responsibility to determine whether the course complies with the requirements of the registration or certifying agency. A certificate of completion will be provided to those completing the course. We will be submitting these courses to the NJ State Board of Professional Engineers and Land Surveyors for approval. (Courses do not need to be pre-approved—retroactive approval is acceptable.)



Many of these courses are multi-week courses that have already started. Registration desired seven days before the starting date.

Courses still available are::

### Electrical

EL-5: Grounding and Bonding: June 7

EL-7b: Fundamentals of Instrumentation and Control: May 3 & 4

EL-8a: Small Wind Turbine Installation: Six weeknights starting April 26

EL-8a: Small Wind Turbine Installation: May 10 & 11

EL-9 Understanding NEC Requirements for Solar PV Systems: Four weeknights starting May 5

### Fire Protection

FP-4: IBC Smoke Control Requirements: May 4

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**We are planning the courses for the Fall Semester; if you have a course you'd like to see offered or have a course you'd like to offer, contact Susan Best. Courses can range from one hour to 30 hours, as appropriate for the material to be covered. Courses can be offered during the day, evenings, or Saturdays.**

## Jennifer Harnden Scholarship Essay



The single event in my early education that I am most grateful for is 'take your daughter to work day'. I can still remember being eight years old sitting behind the wheel of a backhoe. As a young girl that experience stuck with me and eventually led me into the field of civil engineering. I was fortunate enough to have had a father in the construction business and to be exposed to a wide variety of careers at a young age; not all girls were and are so lucky. I can't help but imagine how many brilliant female minds

engineering has missed out on and the great things they could have done for society as a whole. Five to ten years from now I hope to bring the field of engineering out of the trenches and into the spotlight by changing how we draw from and put back into society. If we educate younger generations on the opportunities at hand, and continue to expand our service footprint, society will begin to thrive around us in a continuous give and take relationship.

One important skill you may never see listed on a resume is passion, and because our passions are developed at an early age it is important to expose young minds to a variety of learning opportunities. While in industry I will work to provide educational opportunities to high school students through programs like the 'ACE Mentor Program', a program I was fortunate enough to participate

in. ACE offers "Career direction for high school students in Architecture, Construction, and Engineering". During weekly meetings, industry mentors helped students from local schools with a cumulative design project. Joining together as an engineering community and supporting programs like this not only gives back to society but develops and rejuvenates the engineering field for years to come.

This rejuvenation should not be limited to our field or our country. As engineers have been doing in recent years, we need to reach out to other countries and communities that could use our help. While in the work force I hope to become more involved in charity programs like Habitat for Humanity and Engineers without Borders. Programs like these not only improve the lives in our country but of third world countries across the globe. I would think that applying your passion to improve humanity has the possibility of being one of the most rewarding experiences.

As I approach my senior year I find myself taking a step back and considering the impact I hope to leave on society. Knowing this world and profession will continue long after all of us are gone I have realized it's not one person's contributions, but developing a team work of contributions... a legacy. A legacy of development and services that will not only last ten years from now or twenty years from now but hundreds of years from now, one that will ignite the passion of an eight year old girl in the seat of a backhoe.

*This essay was submitted by Jennifer Harnden, a junior at Widener University, as part of her successful application for the Delaware Valley Engineers Week / American Society of Civil Engineers Scholarship. This essay was written to address this question: What would you like to be doing five or ten years after graduation and how do you think this will help both the profession and humanity in general?*

## Engineering is Fun at the Philadelphia Science Festival Carnival



The Philadelphia Science Festival is a two-week, citywide collaboration to raise awareness and build interest in science and technology across different ages, neighborhoods, and education levels. Since the city's founding, Philadelphia has been at the center of science and technology. This Festival is the first citywide event with that history (and future) in mind, with a clear

goal of making science programming exciting and accessible to every resident. There are more than 100 events over a 2-week period, most of them free. The events are not only at museums, universities and institutions, but also in the neighborhoods – at libraries, community centers and parks, to take science “outside” the normal confines of our daily work and show it at work in “the real world.” Philadelphia's Festival is part of a national movement. Philadelphia is one of four cities selected by the National Science Foundation to create and test models for a citywide science festival (along with Cambridge, Mass., San Diego, and San Francisco).

On Saturday, April 16, the Club participated in the Philadelphia Science Festival Carnival, a gathering of over 80 booths showcasing science, technology, engineering, and mathematics. The Club's Executive Director, Susan Best, PE, demonstrated various engineering concepts, and talked to children of all ages about engineering. She was assisted by Jennifer Reigle, PE of Pennoni Associates, Inc. and ASCE's Younger Member Forum, and Club Board Member Peter Silverberg, PE. Scheduled to run from 10:00 am to 5:00 pm, the rain had become heavy enough that around 2:30 pm the event was shut down.

While the weather was blustery, the feedback we've heard from the organizers was that the event was well received by those who did come and that that they learned something new about what Philadelphia's STEM community has to offer. They are

excited to start planning for next year.

The Carnival is over, but there are still other events around the City and region through April 28. Check out [www.philasciencefestival.org](http://www.philasciencefestival.org) for more information.

Two handouts from the event are now posted on the Club's website.

- A flyer about engineering tours of Schuylkill Banks, originally prepared for an ASCE YMF activity, was updated by Club President-Elect Mike McAtee, PE. This flyer provides directions to and information about the Spring Garden Street Bridge, The Fairmount Water Works, Girard Avenue Bridge, Columbia Bridge, Strawberry Mansion Bridge, and Falls Bridge.

<http://engrclub.org/to/Schuylkill-Tours>

- A listing of various websites about engineering, appropriate for students, parents, and educators, as well as links to the local engineering department websites.

<http://engrclub.org/to/engineering-websites>

Some photos of the event are included here; see our Facebook page for additional photos.

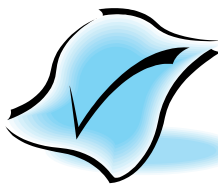
The Festival is being presented by The Dow Chemical Company with additional support by the National Science Foundation, Drexel University, GlaxoSmithKline, Philadelphia University, University of Pennsylvania, University of the Sciences, La Salle University, PECO, Wasabi 3D, PNC Grow Up Great with Science, Community College of Philadelphia, Temple University, K12, Day & Zimmermann, Quaker Chemical Company, Fox Chase Cancer Center, Geosyntec Consultants, NextFab Studio, Pennsylvania Space Grant Consortium, Villanova University, and University of Pennsylvania Center for Bioethics. It is created by Philadelphia science, cultural, and educational institutions and organized by The Franklin Institute.



## FY 2012 Election Results

In February, a slate of candidates for the vacant positions on the Board of Directors was published to the members, both in a separate mailing / emailing to Club members and in the March Bulletin. March 23 was set as the deadline for petition candidates for any of the positions. As no petitions have been received, the slate as published is deemed elected and will take office on July 1. These positions are:

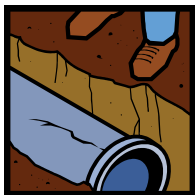
Secretary: Richard A. Mulford, PE  
 Treasurer: Michael A. Porter, PE  
 Director: James P. Markham, PE  
 Director: Christopher I. McCabe, Esq  
 Director: Devonne Jackson, PE



The Board will be installed at the Club's Annual Meeting on June 21, 8:30 am.

## Subsurface Utility Engineering Meeting

The next lunchtime meeting will be **May 31**, held in conjunction with ASCE's Construction and Transportation and Urban Development technical groups. Richard A. Horenburger, PE, Chief Operating Officer, Underground Services, Inc. SoftDig®, Subsurface Utility Engineers will review the need for wider use of subsurface utility engineering to safely design and construct civil projects involving existing subsurface utilities, such as gas, water, sewer, communications, etc. This presentation will be of interest to Owners, Consultants, Contractors and anyone involved in design or construction where underground utilities might be an issue.



Participation in this presentation entitles each attendee to one (1) PDH for Pennsylvania's Professional Engineer continuing education requirements; certificates will be distributed at the end of the presentation.

The meeting will be at Philadelphia's Municipal Services Building, Conference Room Z. A light lunch will be served starting at 12:00 noon. Cost is \$15 on or before May 25; \$20 after May 25. <http://engrclub.org/to/SUE-flyer>

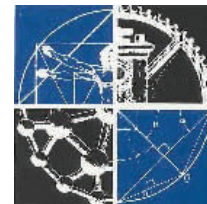
## DVEW 2012 Planning Begins

It's hard to believe, but it's time to begin planning for next year's Engineers Week events.

The DVEW Committee meets the second Tuesday of the month at 8:00 am in Center City and a conference call is available for those who can't get into the City. If you are interested in helping with the events, awards, public relations, or fund development for Engineers Week, please contact Susan Best.

It's not too early to start thinking about possible nominees for the awards, which include:

- Engineer of the Year
- Young Engineer of the Year
- Engineering Hall of Fame
- Outstanding Service Awards
- College Scholarships
- College Student Paper Awards
- Outstanding High School Student
- Outstanding Math and Science Teachers.



Calls for nominations will be issued later this year, with nominations generally due in late November (Engineer of the Year nominations due in October).

Information on previous recipients of these awards is on the website at [www.dvewc.org](http://www.dvewc.org). Calls for nominations will be posted on the site as details are available.

## Club Dues Reminder

Thank you to those Club members who have paid their dues. If you haven't paid your dues yet, please send them to the Club office as soon as possible. If you've paid your dues, you should have received a confirmation along with a membership card (if you've paid in the past few weeks, yours will be coming shortly).

Those who have not paid as of June 30 will be dropped from membership. Contact the Club office if you have any questions.

## Club's Board of Directors

President, 2010-2012: **Robert M. Wright, PE**, Urban Engineers, Inc.

President-Elect, 2010-2012: **Michael J. McAtee, PE**, Urban Engineers, Inc.

Vice President, 2010-2012: **E. Mitchell Swann, PE, LEED AP**, MDC Systems Corporation, LLC

Secretary, 2010-2011: **Michael A. Porter, PE**, TriState Building Systems Integrators

Treasurer, 2010-2011: **Richard A. Mulford, PE**, Retired

Director, Class of 2011: **James P. Markham, PE**, Pennoni Associates Inc.

Director, Class of 2011: **Carol C. Martsoff, PE, LEED AP**, Urban Engineers, Inc.

Director, Class of 2011: **Christopher I. McCabe, Esq.**, Jacoby Donner, PC

Director, Class of 2012: **Michael V. Griffin, PE**, Hill International, Inc

Director, Class of 2012: **Jeannette Quirus, PE, PTOE**, McCormick Taylor, Inc.

Director, Class of 2012: **Megan Syrnick, PE**, Hill International, Inc.

Director, Class of 2013: **Christopher J. Menna, PE**, Philadelphia Department of Streets

Director, Class of 2013: **Peter M. Silverberg, PE**, Retired

Director, Class of 2013: **Lydia Kokolskyj**, Rutgers University

Past President, 2004-2006: **Joseph R. Syrnick, PE, PLS**, Schuylkill River Development Corp

Past President, 2006-2008: **Ruben D. David, PE**, Philadelphia Department of Public Property

Past-President, 2008-2010 **Eric L. Flicker, PE**, Pennoni Associates Inc.

Executive Director (non-voting): **Susan L. Best, PE**

# Engineers' Club Membership

## Engineers' Club of Philadelphia

The Engineering and Technical Center  
of the Delaware Valley

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Executive Director: Susan L. Best, PE, [sbest@engrclub.org](mailto:sbest@engrclub.org)

Visit Us On The Web @ [www.engrclub.org](http://www.engrclub.org)



### The Bulletin Staff

**Editor:** Susan Best

**Staff and Contributors:** Dick Mulford, Bob Wright, Jocelyn Craighead

**Additional Staff /Articles Welcome** - send to Susan Best at the Club office.

The Club is the focal point for the engineering community in the Delaware Valley and provides a unified voice for the profession. It stimulates interest in the field so young people want to become an engineer. It helps build future leaders in the engineering profession to ensure excellence in engineering continues in the Philadelphia region for generations to come.

It is an exciting and energized time for the Club – full of many new initiatives and opportunities for both the Club and its members. The Club offers **individual (including students) and corporate memberships** and an **affiliate society membership** package. We are also looking towards developing partnerships with other organizations with overlapping interests.

We invite you to become a member. Please consider urging your company to become a corporate member. It may be a very cost effective way for your company to handle Club membership.

For further details about membership packages please visit our website at [www.engrclub.org](http://www.engrclub.org) or contact Susan Best, PE, Executive Director, at [sbest@engrclub.org](mailto:sbest@engrclub.org) or (215) 985-5702.

### Gold Members



### Silver Members



### Bronze Members

