President's Corner

As technology improves so does how we communicate with each other. I can remember when FAX machines came on the market and how we could send documents electronically for the first time. Today we have scanners, email, text messaging, video conferences, Skype and of most of all social media such as Facebook, Twitter and Instagram. We communicate more than ever with our cell phones, apps and calendars than we ever did before, and trying to keep up with it all has become a challenge for all of us. This year the Lehigh Valley Section has set a goal to update the Section’s website to be more user friendly and incorporate social media apps into the structure of the website in order to allow technology to bring ASCE news, offerings and benefits to our members in a fast, easy and accessible way.

In order to do this we must bring ASCE directly to our members. Most members, if not all, have computers and cell phones with internet service. By starting with our website, we can ensure that members have a state of the art place to go for information, news, current events and interaction. With just one click on the link events can be added to social calendar with reminders for members to keep track of events, dinner meetings or other functions. This is where our society is heading and has become one of our primary goals for 2014.

(Continued on Next Page)
The New Challenges of ASCE (Continued)

As always we strive to improve our events, functions and dinner meetings so that they can be enjoyed by our members and students. We have noticed that email blasts help with dinner meeting registration and also with the distribution of information to our members. We truly believe we can keep our members and students better informed. If anyone is not receiving our email blasts please contact me or let any board member know.

For those who have attended Lehigh Valley Section dinner meetings this year, we have placed additional emphasis on the importance of Professional Development Hours (PDH) in order to further assist our members with their continuing education requirements. PDHs can be earned at our dinner meeting events.

There are many areas of interest that our members can pursue with ASCE. Whether serving on the local board or volunteering to serve on a committee or even helping out with our newsletter. By writing articles or assisting our local board members with their functions there is plenty to do for members who want to be involved but don’t have the time.

Many things are going on this year for the Lehigh Valley Section. 2014 is the year of the report card and that work is in progress across the state. The Lehigh Valley Section is working with the three other member sections (Philadelphia, Pittsburgh and Central Pa) to research, organize, grade and report the current state of our infrastructure. This process will be ongoing with a tentative late spring release to the news media.

I look forward to being your President this year. If anyone would like to get involved please feel free to contact me anytime to discuss opportunities with the Lehigh Valley Section.
Fall Bridge Tour

On October 23, 2013, 17 students, Younger Members and Section Members attended our semi-annual Bridge Tour in Easton, PA. The tour was conducted by Dr. Ben T. Yen of Lehigh University and organized by Greg Kuklinski, P.E., Project Manager at Alfred Benesch & Company. The tour consisted of a detailed discussion of both design and construction of the SR22 Bridge over the Delaware River and the Northampton Street (Free Bridge) over the Delaware River.
Lehigh University visits 15th & Ward Street Bridges Project

On October 30, 2013, 18 students from Lehigh University’s Transportation and Project Management Classes took a tour of the on-going construction at the Ward St. and 15th St. Bridges in Allentown. The tour was conducted by Greg Kuklinski, P.E., Design Project Manager at Alfred Benesch & Company for the entire project. Greg discussed the design challenges of the Design-Build project for the City of Allentown, both structurally and environmental as well as the tasks being done by the Construction Management Team at Michael Baker, Inc. Both classes are taught by professor of practice, Mesut Pervizpour, P.E.
Visit the Rail Riders
By: J. Scott Stenroos, P.E., M.ASCE

On August 22, 2013 twelve members of the Lehigh Valley Section and their guests visited the new PNC Field to see the Scranton Wilkes Barre Rail Riders take on the Pawtucket Red Sox. The stadium and its facilities were nothing but the best and we enjoyed a great summer night visiting with some of our members from the Scranton Wilkes Barre area. Derek Jeter was rehabbing an injury that evening so we also got to see him play 5 innings. It was a big win for both the Rail Riders and LVASCE that night, so we look forward to offering a baseball game event for our members next year.

Hockey Anyone?
By: J. Scott Stenroos, P.E., M.ASCE

We scored a goal this fall when representatives from Alvin H. Butz gave 35 members from the Lehigh Valley Section a tour of the PPL Center construction; future home of the Lehigh Valley Phantoms Hockey team. This was our Structural Night with members from our very own SEILV making the arrangements for the tour. Installation of the overhead trusses had just commenced and we were able to view the large cranes, structural members and concrete stadium seating. The Dime Bank facility presented a challenge for site engineers. Afterwards we enjoyed a great buffet dinner at the Allentown Brew Works where Alvin H. Butz representatives gave a video presentation of the arena design and construction challenges. The hockey arena is set to be open in fall 2014.
Annual Picnic Kicks-Off 2013-2014 Event Schedule
By: Ben Guthrie P.E., M.ASCE

ASCE once again kicked off the year with our annual picnic and barbeque. Members gathered at the creekside pavilion in Bethlehem’s beautiful Monocacy Park. Section President Scott Stenroos gave attendees a preview of the upcoming ASCE meeting schedule. New members and long-time section members shared conversation over hamburgers and hotdogs. The program committee did receive one great suggestion for next year’s picnic – we look forward to the first annual ASCE bean bag toss tournament!
November Tour & Dinner Meeting:
Hoover Mason Trestle, Bethlehem, PA
By: Phil Gauffreau, P.E., M.ASCE

On November 13, 2013, about 25 ASCE members participated in a tour of the Hoover Mason Trestle project site in Bethlehem, and attended a dinner meeting presentation on the subject at the Gander Room on South 4th Street. Our tour guide and presenter was Rick Roseberry, PE, of Maser Consulting in Bethlehem. Mr. Roseberry is the Project Manager for several aspects of the project, including the surveying and engineering evaluations of the existing trestle structure, as well as the design of various repairs to stabilize the structure for its new purpose. Our host for the tour was Joe Klocek of Boyle Construction, who are the Construction Managers for the project.

The elevated Hoover Mason Trestle is located on the former Bethlehem Steel property, and extends from the Sands Casino Hotel at the east end, to the Steel Stacks campus (Levitt Pavilion and Visitor’s Center) in front of the blast furnaces at the west end. Built in 1912, the rail trestle served for 83 years (1995) carrying loaded rail cars filled with raw materials (iron ore, taconite, etc.) to the blast furnace site. The trestle is now being reconditioned to support a new elevated pedestrian platform that will serve as a public promenade and overlook for its entire length. The new structure has been designed to attach to and be suspended above the existing rails, and permit views through the decking into the old trestle itself. Portions of the promenade will include cantilevered sections overlooking various points of interest, and historic markers and storyboards. Access to the facility will be provided via ramps and/or stairs at each end and the mid-point, as well as an elevator at the west end.

Highlights of Mr. Roseberry’s presentation included the innovative use of laser scanning survey techniques to capture every detail of the very complex trestle structure, so that accurate existing conditions plans and sections could be created and analyzed. In addition, Mr. Roseberry showed photos of various deterioration and damage to the existing structure, and discussed the various repair and stabilization techniques to be employed.
Lehigh Valley Section of ASCE Hosts P.E. Review Course  
By: James C. Hendricks, P.E., M.ASCE

The LVASCE Section hosted ASCE’s Civil P.E. Exam Review course during August and September. The course is a series of 12 two-hour, live interactive webinars held over a six-week period, covering topics and material that have high probability of appearing on the exam.

In addition to the live interactive presentations the participants were provided handouts prior to each session AND recordings of each session were made available. Normally the course costs $1,395; but it was offered by the Section for only $450.

The course was presented at a centralized location in RETTEW’s Lehigh Valley office on Marcon Blvd in Allentown. It was attended by three candidates, Andy Munas of Barry Isett and Associates, Jason Moyer of Eastern Exterior Wall Systems, and Tim Stahl of Newton Engineering.

The sessions included:

- Structural Analysis
- Strength of Materials
- Structural Design
- Geometric Design
- Geomechanics
- Foundation Engineering
- Hydraulics
- Hydrology
- Waste and Water Treatment
- Construction Materials
- Construction Scheduling and Estimating
- Engineering Cost Analysis

The candidates expressed interest in the four in-depth specialty sessions and ASCE National provided access to the recorded sessions at no cost.

This is a great way to prepare for the PE Exam. Please contact Jim Hendricks at jhendricks@rettew.com or any board member if you have an interest in the upcoming spring or fall sessions. More information is available at ASCE.org by selecting the Continuing Education Tab. The Live PE Exam Review link is on the left border.
On November 8, 2013 students, alumni, faculty, and family members gathered at Lehigh University’s historic Fritz Lab to celebrate Dr. Alexis Ostapenko’s birthday.

To view a Q&A about Dr. O’s distinguished career please follow the hyperlink below:
http://www.lehigh.edu/~incee/news/newsbrief-ostapenko.html

Above: Dr. Ben Yen offers a toast (coffee) to his colleague.
The Younger Member Forum (YMF) seeks to engage younger members of the Lehigh Valley Section of ASCE with social events as well as opportunities for professional development. Some of the regularly hosted events include monthly happy hours and an annual whitewater rafting trip. The YMF actively engages with the universities in the Lehigh Valley in order to continue to engage the students with the professional world. Interested in learning more about YMF? Contact Bethany Malusa at bmalusa@benesch.com

YMF Wants YOU!

Did you know that the YMF hosts monthly happy hours with free appetizers? Keep your eyes on the website, or on our Facebook page to make sure that you’re up to date with the latest events hosted by LVASCE.

YMF is the future of the LVASCE and that’s why we recognize the importance of connecting with our members through various methods. You’ll start to notice changes in the next few months, and if you’re a social media guru or you have an interest in website design and would like to lend us a hand, we’d love to have you on board! Contact Ben Guthrie at bguthrie@trafficpd.com for more info!

YMF Events Schedule
Winter 2013

Happy Hour at Copperhead Grille
on Airport Road
January 8, 2014

Skiing at Camelback Mountain
January 25, 2014

Happy Hour at Allentown Brew
Works
February 5, 2014

Happy Hour at Molly’s in
Bethlehem
March 5, 2014

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ASCE Younger Members Forum Presents...

Come Network with other young Civil Engineers!!

When: Wednesday, January 8, 2014

Time: 5:30-7:30pm

Where: Copperhead Grille
1731 Airport Rd, Allentown, PA 18109

Drink Specials
Appetizers will be provided
http://www.copperheadgrille.com/index.php
ASCE Younger Members Forum
Presents...

Skiing/Snowboarding

Date: Saturday, January 25, 2014

Location: Camelback Mountain Resort
301 Resort Drive
Tannersville, PA 18372

Stay Tuned for more Information!

All ASCE members, family & friends ages 9 and up are welcome!
This 3-day course devoted to the use of the HEC-RAS program for basic open channel flow analysis. Course topics include: water surface profiles, bridge and culvert hydraulics, multiple opening analysis, bridge scour computations.

**EARN 24 PROFESSIONAL DEVELOPMENT HOURS (PDHs)**
**FOR THIS CONTINUING EDUCATION COURSE**

Professional Development Hours (PDHs) are now required in order to maintain currency with your Professional Engineering License (P.E.) This course satisfies the requirement as set forth by the New Jersey State Board of Professional Engineers and Land Surveyors as a means of earning PDHs.

Presenter: Dr. Michael Horst - Associate Professor and Chair for Department of Civil Engineering at TCNJ

Cost: $1,000 per participant
Discounts: Members of the New Jersey Association for Floodplain Managers (NJAFM) and The American Society of Civil Engineers (ASCE) will receive a $50 discount.

Location: The College of New Jersey
2000 Pennington Road, Ewing, NJ 08628-0718

**Early Registration Discount:**
Sign up on or before Friday, December 13, 2013 to receive a $100 discount per participant.

If you have questions about course specifics or would like to register for the course please contact Dr. Michael Horst at 814-571-5607 or e-mail at horst@tcnj.edu.

Please visit the website for specific details about the course including: a complete course agenda, information about the instructor, course materials, and directions to The College of New Jersey.

http://www.tcnj.edu/~horst/coned.htm
Interested in joining one of the LVASCE committees? No matter what your specific discipline of civil engineering, there is a committee for you!

For more information, get in touch with the chair of the committee you’re interested in, or contact LVASCE president Scott Stenroos at sstenroos@keystoneconsultingengineers.com
Annual ASCE Awards

We are now accepting nominations for our annual ASCE Awards! Please take a moment to nominate a Civil Engineer of the Year, Young Civil Engineer of the Year, or Outstanding Engineering Achievement (Project) of the Year. This is a great opportunity to recognize the accomplishments of your colleagues. All nominations are due by January 15, 2014. Follow each hyperlink below to find the individual nomination form and information on how to submit a nominee.

Engineer of the Year

Young Engineer of the Year

Outstanding Civil Engineering Achievement

Other Advertisement Opportunities with the Lehigh Valley Section

One-time ad or job posting in newsletter
$100 for business card size
$150 for double business card size
$250 for full page

Sponsor an LVASCE Meeting
Includes: Recognition in the meeting announcement sent to entire section, a PowerPoint slide, banner and table for advertising at the dinner $200.

Contact Joe McFadden via email if you are interested at jmcfadden@mbakercorp.com

Be sure to keep your national membership account up-to-date at http://asce.org

Our email database comes from the information you provide to ASCE National, so UPDATE YOUR ACCOUNT TODAY!