The Year in Review and the Year to Come

As this year’s President, I look forward to serving you and the Lehigh Valley Section. I also want to express my sincere thanks to Muhannad Suleiman for his service as President this past year. As this is my first President’s message, I do want to give everyone an overview of what has occurred in the few months of my term as well as what is in store for 2017.

Past and Future Events: After our successful summer picnic at Hugh Moore Park & Canal Museum, our first dinner meeting of the season was held in October and featured a presentation from Greg Naught who is with Lafarge on Ultra High Performance Concrete. In November, members got an exclusive tour of the new Museum of Industrial History which opened to the public back in August during Musikfest. At the time I am writing this message, we will soon be having our annual holiday banquet where we will be honoring our Past Section Presidents as well as our Life Members. Steve Ressler, who is a retired professor from the U.S. Military Academy (USMA) will be speaking on Civil Engineering Education for Afghanistan.

Branches: Over the Summer, we worked with the Philadelphia Section in determining where the Reading Branch would best be served. After some conversations, it was determined and agreed by everyone that Reading Branch would be transferred to the Lehigh Valley Section. The Branch covers Berks County and portions of Northern Chester and Upper Montgomery Counties. We have a couple of champions that are working toward re-activating the Branch and are currently working on having a networking event to bring Engineers from the Reading area together.
Second, with the Lehigh Valley Section covering Northeast PA, we also like to see if there is any interest for a Branch to be established in the area which will allow those members who live and work in this region to be better served. If you have an interest in these opportunities, please contact me.

Young Member Forum:

For our younger members, monthly happy hours have been occurring. In November we went back to campus and held a happy hour in Easton, near Lafayette’s campus. Several students from Lafayette as well as leaders from the ASCE student chapter were also in attendance. Given the success of this happy hour, we will be looking to have one in the near future in Bethlehem where Lehigh Students will have the opportunity to attend. Upcoming events for the YMF include a Holiday Bowling event and our annual ski trip to Camelback Mountain with the New Jersey Section YMF. We are always looking for younger members to get more involved with the YMF and the Section. If you are interested or would like more information, please contact Joe McFadden, YMF President.

Report Cards:

In 2017, a new Report Card for America’s Infrastructure will be released. As you may recall, the 2013 Report Card for Americas Infrastructure gave a cumulative GPA for infrastructure a D+ and that a $3.6 Trillion investment was needed by 2020. Here in Pennsylvania, we are in the process of preparing for our release of the 2018 PA Report Card. The PA State Council will be forming a committee in preparation of the state report card which will provide grades to over a dozen categories. For those who wish to get involved, please contact me.

Lafayette College:

Finally, I want to Congratulate Lafayette College for recently celebrating 150 years of Engineering. Since 1866, Lafayette has in the words of their founders “set the goal of educating not just the engineer, but the whole person, who is able to meet the challenges of a world in which, scientific, technological, and human needs have steadily become more complex.” The College held a series of events in November during the week of the Lehigh/Lafayette football game which brought alumni and friends back to campus to commemorate their achievement.

With all that has and will be happening in the coming year, we hope to see you at an upcoming ASCE event.

I wish all of you a very Merry Christmas and Happy New Year.

John Caperilla, E.I.T., A.M.ASCE
President, ASCE Lehigh Valley Section
LVASCE’s Geotechnical Night 2016
By: Philip Gauffreau P.E., M.ASCE

On Thursday June 9, 2016, the Lehigh Valley Section of ASCE convened to celebrate our “greatest night of the year,” Geotechnical Night! This year, we organized a “reverse dinner meeting” in Easton, PA by having the presentation first, followed by a social event and dinner. We had the unique opportunity of hosting the presentation in an actual theater, inside the new Buck Hall Performing Arts Center at Lafayette College, which was the subject of the presentation. Beforehand, the Construction Manager for the project (Whiting-Turner) provided tours of the new facility. Afterwards, we relocated to nearby Two Rivers Brewery for a private event including an open bar sponsored by Innovative Geoscience Solutions (IGS) and Redi-Rock of Pennsylvania, and a buffet dinner. Guests included the clients from Lafayette College, their counterparts from Lehigh University, much of the construction management team from Whiting-Turner, the project’s structural engineer from The Harman Group, and several of the project’s geotechnical engineers from Maser Consulting and GTA. The festive atmosphere lived up to the reputation of Geotechnical Night.

The presentation itself focused on some unique geotechnical engineering design and construction aspects of the new performing arts structure, located immediately adjacent to Bushkill Creek. The first half was presented from the point of view of the geotechnical engineers (Phil Gauffreau, P.E. and Ryan Walters, P.E. from Maser Consulting), and the second half was presented from the point of view of the construction manager (Ryan Halpin of Whiting-Turner). Key issues included the following:

- Site access difficulties at the time of the geotechnical study;
- Generally poor subsurface conditions (unsuitable fill materials, historic sinkholes, irregular and poor quality rock, etc.);
- An existing stone basement wall along Bushkill Creek that was not designed for the proposed backfill loads; and
- A conceptual new site retaining wall along Bushkill Creek with little available information regarding site dimensions and elevations.

Design solutions to each of these issues were reviewed, followed by actual experiences during bidding and construction that resulted in collaborative value engineering efforts. First, 50-ton allowable capacity micropiles were selected as the primary foundation system, with a required 8-foot bond zone in competent rock. The highly variable and deeper than expected depths to that competent rock, as well as significant losses of grout into voids in the karst bedrock, resulted in cost and schedule overruns. The team worked together to develop alternate techniques that minimized these overruns. Secondly, after rejecting a pile-supported concrete wall inside of the stone basement wall (due to its high cost), an alternative backfill procedure was specified using a lightweight cementitious flowable fill material to minimize the load placed on the stone wall. Lastly, once access to the Bushkill Creek embankment was enabled, and an accurate survey of the existing conditions could be...
superimposed on the proposed construction, the team was able to analyze and design a Redi-Rock gravity wall system along the Creek. During construction, the straight wall was “field-fit” by the contractor, resulting in a more dramatic curved alignment between the below-grade pile caps.

**Foreing Member of the Royal Academy of Belgium for Science and the Arts**

**By: Geri Kery**

Dan M. Frangopol, the Fazlur R. Khan Endowed Chair of Structural Engineering and Architecture at Lehigh, has been elected to the Royal Academy of Belgium for Science and the Arts in its meeting of September 20th, 2016, as a foreign member. He will participate in and contribute to the class of Technical Sciences.

The Academy was founded in 1772 by Holy Roman Empress Maria Theresa, as the Imperial and Royal Academy of Sciences and Letters of Brussels. Its mission is to promote sciences and arts in Belgium through scientific and cultural activities and cooperation between universities in Belgium and between Belgium and the larger international academic community.

Frangopol studied for his Ph.D. at the University of Liège in Belgium for three years (1974-76) and worked in Brussels for three and a half more years (1979-83) as a design engineer before joining the University of Colorado at Boulder. In 2008, Frangopol was awarded an Honorary Doctorate (Doctor Honoris Causa) by the University of Liège.

His election to the Royal Academy of Belgium, which will be announced at the Academy’s yearly meeting in Brussels on December 10, will extend the Technical Sciences class into the areas of sustainability and resilience of infrastructure – topics in which Frangopol’s research and expertise are internationally recognized.
The Board approved a balanced budget for the 2016-2017 Fiscal Year at the Board Meeting on October 10, 2016

RECEIPTS
Section Dues 6200
Section Contributions 300
Society Allotment 2400
SEI 200
Sponsorships/Advertisement 5400
Dinner Meetings 10000
Continuing Education 2500
Technical Seminars 0
Technical Groups 0
Younger Member Activities 0
Grants 0
History and Heritage 0
Bond (unrealized gain) 0
Miscellaneous 0
TOTAL $28,840.00

EXPENSES
SEI 1550
Newsletter Production 660
General Printing (Secretary) 100
Dinner Meetings 13000
Speaker/Guests 500
Student Activities 1100
Technical Groups 500
Official Travel 4000
Engineers’ Week 750
Continuing Education 3000
Grants 1350
Technical Seminars 0
Region II Council 275
Educ./Prof. Involvement 500
History and Heritage 175
Younger Member Activities 500
Member Recruitment 0
Professional Relations 100
Web Services 430
Miscellaneous (incl. bank charges) 300
TOTAL $28,840.00

YEAR $0.00
Morgan State University Hosts ASCE Region 2 Assembly
By: Jack Raudenbush, PE Region 2 Governor

On November 12, 2016, over 135 ASCE students and Younger Members attended the Region 2 Assembly at Morgan State University in Baltimore, Maryland. The daylong event was kicked off with informative discussion by Anthony Bartolomeo, PE President and CEO of Pennoni who presented on ASCE’s Grand Challenge. Joel Oppenheimer, PE, VP of STV had two dynamic presentations titled Goal Setting for Success and Leadership for Success. Greg Kuklinski, PE from the Lehigh Valley Section and Daryl Morais from ASCE Geographic Services gave a presentation to the attendees on ASCE Resources and information about the Leader Training Committee.

Members of the Messiah College and University of Maryland Student Chapters presented on some of their successes during the morning breakout sessions. The attendees were able to view a special, pre-screening of ASCE’s Dream Big movie. This IMAX formatted moved was followed by an inspirational talk from President-Elect Kristina Swallow, PE.

Steven Siegel from the Sagamore Development team presented a very energetic program about the multi-billion redevelopment project in Port Covington, Baltimore, Maryland. The largest redevelopment project now underway in the United States, it will include Under Armour’s new world headquarters. Mr. Siegel presentation was highlighted by several very energetic UA videos. This redevelopment project is being spear headed by UA Founder and CEO Kevin Plank.

And the day closed out with a presentation by Ed Elder, PE on the Purple Line project, another multi-billion project being under taken in the Baltimore/DC metropolitan area.

The Region 2 Assembly is held annually, typically in November, and is geared towards student members and younger members. The Assembly is one of the Region 2 Governors primary activities and has been growing in popularity over the past few years. The event is funded through Region 2 financial support and generous contributions from corporate sponsors which allows the entire event to be provided at no cost for individual attendees. As an added incentive and to offset Student Chapter travel expenses, each student chapter is provided a $200 stipend for attending. The next Assembly is scheduled for November of 2017 at the University of Pittsburgh.

Engineers Week 2017, Stay Tuned for More Details
Are you scheduled for the April P.E. Exam? Do you have employees or co-workers preparing for the exam? For the benefit of ASCE members and any others who are interested, the Lehigh Valley Section is making arrangements to host ASCE’s live P.E. Civil Exam 22-Part Review Course right here in the Lehigh Valley.

**Course Description**
Earning your P.E. license is one of the most pivotal steps in your career – make sure you are well prepared for this essential milestone by enrolling in an ASCE Review Course. This course is a series of 22 two-hour, live webinars held over a six-week period, covering topics and material that have high probability of appearing on the exam, according to your instructors’ experiential insight. You’ll benefit from immediate feedback and assistance from your instructors during the live webinars, and supplement your learning with on-demand recordings of the sessions.

**Course Schedule**
All Live Webinar sessions are scheduled for 3:00-5:00 p.m. Eastern Standard Time. Topics and dates are as follows (please visit ASCE website for further details):

<table>
<thead>
<tr>
<th>Date</th>
<th>Sessions</th>
</tr>
</thead>
<tbody>
<tr>
<td>2/2/17</td>
<td>Structural Analysis</td>
</tr>
<tr>
<td>2/7/17</td>
<td>Structural Mechanics</td>
</tr>
<tr>
<td>2/9/17</td>
<td>Design and Construction</td>
</tr>
<tr>
<td>2/14/17</td>
<td>Soil Mechanics</td>
</tr>
<tr>
<td>2/16/17</td>
<td>Foundation Engineering</td>
</tr>
<tr>
<td>2/21/17</td>
<td>Construction Materials</td>
</tr>
<tr>
<td>2/23/17</td>
<td>Engineering Cost Analysis</td>
</tr>
<tr>
<td>2/28/17</td>
<td>Hydraulics</td>
</tr>
<tr>
<td>3/2/17</td>
<td>Hydrology</td>
</tr>
<tr>
<td>3/7/17</td>
<td>Project Planning</td>
</tr>
<tr>
<td>3/9/17</td>
<td>Geometrics</td>
</tr>
<tr>
<td>3/14/17</td>
<td>Site Development</td>
</tr>
<tr>
<td>3/16/17</td>
<td>Geotechnical Depth</td>
</tr>
<tr>
<td>3/17/17</td>
<td>Transportation Depth</td>
</tr>
<tr>
<td>3/20/17</td>
<td>Water Resources and Environmental</td>
</tr>
<tr>
<td>3/21/17</td>
<td>Construction Depth I</td>
</tr>
<tr>
<td>3/22/17</td>
<td>Structural Depth I</td>
</tr>
<tr>
<td>3/23/17</td>
<td>Geotechnical Depth II</td>
</tr>
<tr>
<td>3/24/17</td>
<td>Transportation Depth II</td>
</tr>
<tr>
<td>3/27/17</td>
<td>Water Resources and Environmental</td>
</tr>
<tr>
<td>3/28/17</td>
<td>Construction Depth II</td>
</tr>
<tr>
<td>3/29/17</td>
<td>Structural Depth II</td>
</tr>
</tbody>
</table>

**Registration**
Normally the individual course costs $1,995; however, LVASCE will be offering the group rate at $500 per person. 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 sessions. More information is available at www.ASCE.org by selecting the Exam Reviews under the Education & Careers heading.
Legislative Affairs
By: John Caperilla, EIT, A.M.Asce

In Washington, during what is traditionally known as the “lame duck” session, the House and Senate are looking to address several pieces of key legislation before the new Congress takes office. One of those items is the Water Infrastructure Improvements for the Nation Act (WIIIN). The Act was revised slightly from the Water Resources Development Act (WRDA) which was passed earlier this year. The bill includes traditional authorizations for the Army Corps of Engineers also other water infrastructure programs such as aid to Flint, Michigan which will assist in lead pipe replacement and provisions to help California with drought relief. The compromise bill also includes a high-hazard dam rehabilitation and repair program. The House passed the bill with bipartisan support and at the time this article is written, the Senate is currently reviewing the Bill and members of the Key Contact program have been kept informed on the progress and have been asked to reach out to their Senators to ask them to support the bill. If you are not a Key Contact, I would ask that you considering joining. Key contacts receive a weekly e-mail from ASCE’s Washington Bureau highlighting key legislative activities both at a state and national level as well as key alerts in the event that immediate action needs to be taken on a particular piece of legislation.

ASCE Presidents and Governors Forum
By: Gregory Kuklinski, P.E., M.ASCE

On September 18-19, 2016, over 90 Section and Branch Presidents, Region Governors and Society Directors from across the country and abroad attended the annual Presidents and Governors Forum (PGF) in Reston, VA at ASCE HQ. This event was organized by the Society Level Leader Training Committee (LTC) and is organized and run by Lehigh Valley Section Member, Greg Kuklinski, P.E., M.ASCE. On Sunday, topics included an Introduction to your Presidency and How to Utilize your Governors; an Introduction to Region 10; Roundtable Discussions on Section and Branch Challenges; How to Be A GREAT Leader at Work and in ASCE. Best Practice sessions on Fundraising, Section/Branch Contract Negotiations and How to Make the Most of the Film Debut of Dream Big following the individual presentations. Monday continued with additional roundtable discussions on Section and Branch Best Practices including Student & Younger Member Outreach, Section Operations and Awards, Government Relations Legislative Drive-In Day, Life Member Forums, and Struggling Sections/Branches. The program was topped off with presentation on effective use of Higher Logic and Social Media. All the attendees were able to network at a group icebreaker, group dinner and at the Reston Town Center during the weekend. Lastly, the attendees has the opportunity to hear about the work of the Student Transitions sub-committee. The 2016 Student Transition Activity (STAY) Grant was discussed as well as ways for Section/Branch Presidents to work with their Student Chapter Groups. John Caperilla, EIT, AM.ASCE, President of the Lehigh Valley Section, was in attendance this year at the PGF.
Technology is (and has long been) a blessing and a curse. As anyone who has battled AutoCAD or MicroStation will attest, the efficiencies gained are not without cost. The headaches caused by technology are nothing new – and back in 1866, Ario Pardee knew these headaches weren’t going anywhere. Pardee, a mining industrialist, saw the need for formal training as technologies developed during the civil war.

With a donation of $100,000 (approx. $3 Million today), Pardee established a B.S. program in Civil and Mining Engineering at Lafayette College. With the goal of “educating not just the engineer, but the whole person who is able to meet the challenges of a world in which scientific, technological, and human needs have steadily become more complex”, the tradition of giving students the skills to adapt began.

We celebrated the 150th anniversary of that gift during this fall’s homecoming. Students, faculty and alumni worked together to construct a 150’ long replica of the Northampton Street Bridge (aka the Easton-Phillipsburg “Free Bridge”). Originally designed by Lafayette Professor James Madison Porter III, the Northampton Street Bridge is an official ASCE Historic Landmark.

In other news, you may have heard that Lafayette Alumni Joe Maddon ’76 took the Chicago Cubs to win their first world series since 1908! The curse is broken! Take that Lehigh!

Lehigh University Student Chapter Update
By: Nick Urban, S.M., ASCE, Lehigh U. ASCE Student Chapter President

The Lehigh ASCE student chapter enjoyed a busy fall getting back into academic-mode after summer vacation. Our operation consists of a concentrated group of dedicated students eager to spread a passion for civil engineering to both peers and the public. We are dedicated to continue a long history of civil engineering excellence at Lehigh!

Our chapter began the semester back in August, when we sent a note to all of the incoming freshman civil engineers informing them about the club. We are certain that this lead to a successful showing at the club fair where ASCE racked up 80 new sign-ups! About three-quarters of the new sign-ups came to our first meeting, where we outlined our mission and our plans for the semester. ASCE laid the foundation for new members about what we do, who we connect, and how we can enhance every Lehigh civil engineer’s college experience.

Events for this semester included a meet and greet picnic between students, professors, and professionals, a bridge tour of the famous bridges in South Bethlehem, a Linkedin workshop, a graduate program information session from current Lehigh graduate students, a company lunch-and-learn courtesy of John Moriarty & Associates, and an ASCE career fair with 48 civil engineering companies at Lehigh’s mountaintop campus. Perks of being a due-paying ASCE member include swipe access to the STEPS building (Lehigh’s 2011 advanced engineering laboratory), a Google calendar with all things ASCE, and faculty lunches with professors.

The executive board of Lehigh’s ASCE student chapter is very proud of what we do both in and out of the classroom. We really do love civil engineering! Currently, our club is in the middle of a Christmas toy drive for the Bethlehem Boy’s and Girl’s Club on East Third Street. On the last day of class (December 9th) at 4:00pm, ASCE members will head to the Boy’s and Girl’s Club to deliver the toys and have a pizza eating, Christmas cookie decorating party with the future generation. We are very excited. Stay posted for another busy semester beginning in January after a much deserved break!
By: Ben Guthrie, P.E., M.ASCE

On November 29 ASCE members were treated to a private tour of the new National Museum of Industrial History (NMIH) in Bethlehem. The NMIH is located in a 100-year-old former Bethlehem Steel facility in South Bethlehem. The museum includes artifacts from several industries, including exhibits focusing on the local steel and silk industries. We were treated to a guided tour from two experts, including a former Bethlehem Steel worker. Our favorite exhibit was the scale model of the blast furnaces that was used by Bethlehem Steel leaders to plan future improvements.

After the tour ASCE members headed across the street for a networking happy hour at Social Still, a craft distillery located inside a prohibition era bank building.
510HD Double Ring Infiltrometer

The last double ring infiltrometer you’ll ever need!

Recessed bracing reduces turbidity and scour in the 10” outer ring

Opposing beveled cutting edges to reduce disturbance to the surrounding soil

Zero interference inner ring

Durable Schedule 10 stainless steel for long-lasting superior performance.

The quality, durability and reliability of the 510HD translate into significant advantages. In situations that would damage other infiltration equipment the rugged 510HD keeps performing. As a result, users eliminate repair costs or replacements and/or avoid wasting time by trying to install flimsy equipment in challenging soil conditions. The bottom line results are compelling: lower total cost of ownership and greater return on investment over the 510HD’s useful life.

Sales/Information:
1-(484) 224-6538
Innovative Geoscience Solutions, LLC
1874 Catasauqua Road #264
Allentown, Pennsylvania 18109

www.igs-online.com
SEILV Chapter News

As the year comes to an end, the SEI LV Chapter wants to wish everyone Happy Holidays and a healthy New Year. We are already starting to plan 2017’s Ben T. Yen Half-Day Seminar, and that day will be upon us before we know it.

SEILV Hosted Half-day Seminar
By: Matt Kawczenski, P.E., S.E., M.ASCE

In August, we co-hosted our annual Ben T. Yen Half-Day Seminar with the SEI Lehigh University Student Graduate Chapter and the Lehigh University Fritz Engineering Research Society. With over 60 attendees, this continues to be a great event to acquire low-cost PDH’s and also network with your peers. This year’s presentations were:

- “Walt Whitman Bridge - Suspension Spans and Anchorage Spans Deck Replacement” by Michael Venuto, P.E., PLS
- “Building a Bridge, the Story of the Quebec Bridge” by Eric Tappert, P.E.
- “Tips for Optimizing Structural Masonry” by Brian Trimble, P.E., LEED AP
- “Designing for Fire in Building Structures” by Dr. Spencer Quiel

If you have any topic suggestions for next year’s seminar, please contact SEI LV Chair Matt Kawczenski at mkawczenski@mgmclaren.com.
On Saturday September 26, the Younger Member’s Forum hosted a bike ride which followed a portion of the Lehigh Valley Covered Bridge Tour. It was a beautiful fall morning to enjoy the 13 mile ride through the rolling hills of North Whitehall Township and the Trexler Nature Preserve. The loop took us past 5 of the 7 bridges on the full Lehigh Valley covered bridge tour, including the Manasses Guth Bridge which is currently being in the process of being rehabilitated.

YMF Upcoming Events:

Ski Trip
Camelback (Tannersville, PA)
Sat. January 28, 2017

We are currently seeking professionals in various disciplines and locations. Visit us at www.TrafficPD.com to check out our openings.
SEI LAD LLC Recap
By: Matt Kawczenski, P.E., S.E., M.ASCE

Representatives for the Structural Engineering Institute Lehigh Valley Chapter and Lehigh University Graduate Student Chapter attended the SEI Local Leadership Conference in San Juan, Puerto Rico, on October 14-15, 2016. The Local Leadership Conference offered valuable information including an overview of resources available for all SEI chapters, the vision for SEI presented by SEI President Andrew Hermann, and breakout sessions for in depth discussions about other local chapter’s needs and best practices. Once again, this conference was a great opportunity to learn about our fellow chapters and their events throughout the year.

On Friday, attendees participated in a walking tour of La Fortaleza, the Governor’s Mansion and Visitors Center, and San Cristobal Castle, the largest fortress in America. The evening concluded with a presentation by Mr. Jose (pepe) Izquierdo, P.E., titled The Development and Construction of the Walled City of San Juan. Mr. Izquierdo is the President of the Puerto Rico Chamber of Commerce and has served as the Secretary of Transportation and Public Works, Secretary of State, President of the Local Professional College of Engineers and Land Surveyors, and is a Past President of ACI.

The conference ended on Saturday with Training on Post-Disaster Safety Evaluation of Buildings and Infrastructure in line with ATC-20/ATC-45/Cal OES SAP. The seminar was given by Mr. David Swanson, P.E., S.E., F.SEI with Reid Middleton. For more information on this program, click the following link. http://www.caloes.ca.gov/cal-oes-divisions/recovery/disaster-mitigation-technical-support/technical-assistance/safety-assessment-program

LVASCE Online

Link In with ASCE - Did you know that ASCE Lehigh Valley has our own LinkedIn group? Use the following link to connect with other local ASCE members: ASCE Lehigh Valley - LinkedIn

Share Photos on Facebook – Have you taken photos of local bridges, dams, or construction projects? Share your civil engineering related photos and pictures from ASCE events on our Facebook page. Some of the best photos taken by local ASCE members are featured on the front page of our website.

Job Postings – The job postings page on our website has been recently updated to include new career opportunities from local firms. Remember to check back regularly to view new postings.

Subscribe to our Calendar – Did you know you can subscribe to our calendar to sync ASCE events to your Google or Outlook calendar? Just visit www.lvasce.org/events/ and follow the instructions at the bottom of the page.
LVASCE 2016-2017 Board of Directors
President: John Caperilla, EIT
President-Elect: Mike Derr, P.E.
Vice-President: Dion Campbell, P.E.
Secretary: Kyle John, EIT
Secretary-Elect: Janelle L. Hall, P.E.
Treasurer: Chas Snyder, P.E.
Past-President: Muhannad Suleiman, Ph.D
Member Director: Dave Wieller, P.E.
Member Director: Col. Steven Ressler, Ph.D., P.E.
Associate Member Director/YMF President: Joe McFadden
Associate Member Director: Chris Skrabak, EIT

ASCE Lehigh Valley Section Committee Chairs
Program – Mike Derr (mderr@ctaeng.com)
Membership – Dion Campbell (dcampbell@rkrhess.com)
Nominating & Awards – Muhannad Suleiman (mts210@lehigh.edu)
Engineer’s Week – Mike Derr (mderr@ctaeng.com)
Younger Member Forum – Joe McFadden (jmcfadden@mbakerintl.com)
Student Chapter – Kyle John (kjohn@aegispg.com)
Continuing Education – Jim Hendricks (jhendricks@rettew.com)
Legislative Affairs – John Caperilla (jcaperilla@borton-lawson.com)
Hospitality – Chas Snyder (csnyder@pennoni.com)
History & Heritage – Tom Christopher (civilchris@aol.com)
Geotechnical – Phil Gauffreau (pgauffreau@maserconsulting.com)
Structures – Matthew Kawczenski (mkawczenski@mgmclaren.com)
Transportation – Ben Guthrie (bguthrie@trafficpd.com)
Environmental/Water Resources – Aaron Frantz (frantzard@cdmsmith.com)
Newsletter – Dave Alban (dalban@keystoneconsultingengineers.com)
Newsletter Editor – Kyle John (kjohn@aegispg.com)
Website – Ben Guthrie (bguthrie@trafficpd.com)

Sponsors:
Alfred Benesch & Company
Keystone Consulting Engineers
Newton Engineering
RETTEW
Traffic Planning and Design, Inc.
Pennoni Associates Inc.
The Pidcock Company
BASE Engineers Inc.
Barry Isett & Associates, Inc.
Liberty Engineering, Inc.
Gilmore & Associates, Inc.
McMahon Associates
Benchmark Civil Engineering Services
Monarch Precast Concrete Corp.
Terraform Engineering, LLC
Ott Consulting Inc.
Vibra-Tech Engineers
Minuteman Press

THANK YOU!!
Your generous contributions to the Section are greatly appreciated and enable us to provide our members with opportunities to build relationships and further their careers within the engineering community.

Other Advertisement Opportunities with the Lehigh Valley Section

One-time ad in newsletter (includes logo on website)
$100 for business card size
$150 for double business card size
$250 for full page

Sponsor a Student
$20 per dinner meeting or event

Sponsor an LVASCE Meeting
Gold $250: Includes one (1) admission; recognition in the meeting announcement sent to entire section; a PowerPoint slide, and option to hang company banner and table for advertising at the dinner.

Platinum $500: Includes Gold above plus two (2) admissions and opportunity to introduce your firm or project.

Contact Joe McFadden via email if you are interested at jmcfadden@mbakerintl.com
LVASCE AWARD NOMINATIONS FOR 2016

The word is out! The Lehigh Valley Section of ASCE is now accepting nominations for our annual awards. These awards are presented to two individuals and one project team. Nomination forms are available for download by visiting the LVASCE website. Forms may also be obtained through email by contacting the Chairman of the Awards Committee, Muhannad Suleiman at mts@lehigh.edu.

The individual awards are for the Engineer and Young Engineer of the Year. To be eligible for both of these awards the nominee has to be a member of ASCE and LVASCE but does not necessarily have to possess the most outstanding technical skills, although that is a consideration. What the selection committee is looking for are candidates that are not only technically proficient but those that support and promote civil engineering and engineering in general as a profession. Individuals that are mentors either in the work place or through programs. Examples of these programs are Mathcounts and Odyssey of the Mind. Involvement with student chapters of ASCE at a local university and/or tutoring of math and science at any level are other examples. Involvement with other professional, charitable and community organizations is also taken into consideration.

The Young Engineer is open to any LVASCE member who will be no more than 35 years of age as of December 31, 2016. There are no minimums for years of experience or professional certifications required.

Engineer of the Year can be any LVASCE member in good standing of any age. Again there is no minimum requirement for the number of years of experience and they do not necessarily have to be a P.E.

The recipients of the LVASCE Engineer and Young Engineer of the Year awards will be put forward as our organizations nominees for the Lehigh Valley Engineering Council Engineer and Young Engineer of the Year awards.

The Outstanding Civil Engineering Achievement has fairly wide-open criteria. The project does not necessarily have to be technically innovative design or large project. Any project that may have been fairly simple in the technical aspects of the fundamental design but required exceptionally creative thinking to overcome significant regulatory, political, financial, environmental, historical preservation, site constraints and/or other construction challenges or innovative construction management techniques should be considered as a nominee as well. At a minimum this award recognizes the project owner and the prime design consultant and contractor. It is acceptable and appropriate for the person putting forth the nomination to include any specialty subconsultant and/or contractor that provided an innovation that was either essential to completion or made the project exceptionally unique.

The full list of qualifications and criteria for each award are provided on the nomination forms.

Nominations are due to the Awards Committee on January 31, 2017. Presentation of the awards will be made at the Lehigh Valley Engineering Council Annual Engineer’s Week Banquet in February 2017. The award winners will be notified of their selection in February.

Job Postings:

Lehigh University – Post-Doctoral Research Associate
Barry Isett & Associates – Various Positions
UTRS – AutoCAD Technician
TPD – Various Positions
UTRS – Civil Engineer in Training
Borton Lawson – Survey Crew Chief
Maser Consulting – Water Wastewater Engineer

Please visit our website for a full list of job openings and full job descriptions.