President’s Corner

Snow, Snow and More Snow!
By: J. Scott Stenroos, P.E., M.ASCE

If you are tired of the snow and shoveling that comes along with it and looking for something to do then come out to one of our events and share snow stories with our members. This has been quite the winter with the near record snow fall and weekly snow events. The Lehigh Valley Section continues to be active in these cold months with YMF Happy Hours and dinner meetings for our members. We would love to have you join us at an event soon.

This past month we celebrated 2014 National Engineers Week that culminated with the Lehigh Valley Engineering Council’s Engineers Week Banquet on February 21, 2014. Engineers Week was founded in 1851 by the National Society of Professional Engineers and serves to raise public understanding and appreciation of Engineer’s contributions to society. This year the speaker was distinguished IEEE lecturer Clinton J. Andrews PhD, PE, AICP from Rutgers University who spoke on the topic of Climate Change – Whose Innovations Are Working? About 100 people were in attendance that night. The banquet also featured the PSPE Engineer of the Year Awards that were given to Mr. David F. Toler, PE and Mr. Don Kohn, PE. The ASCE Lehigh Valley Section was a Gold Sponsor for the event.

The Lehigh Valley Section honored two of its members with Civil Engineer of the Year honors that were also recognized at the Engineer’s Week Banquet.

(Continued on Next Page)
It was my pleasure to present Greg Kuklinski, PE with the Civil Engineer of the Year Award for his commitment and dedication to ASCE on both a local and national level as well as his involvement with the student groups at Lehigh University. Greg attended the banquet with his wife Dawn and works as a Project Manager for Alfred Benesch & Co. Tim Kramer was also recognized as the Lehigh Valley Section’s Young Engineer of the Year for his active involvement with several key ASCE positions and committees in addition to his accomplishments in the workplace. Tim attended the banquet with his wife Britney and works as a Project Engineer for RKR Hess.

Three dinner meeting events were held since our last newsletter, last month we heard Bill MacNair and Jake Schray speak about Engineers without Borders and students Russ Vignali and Tara Hofferth from Lehigh University speak about their Bridges 2 Prosperity Chapter project and their upcoming trip to Coclé region of Panama in June 2014 to build a bridge. Our December Holiday Banquet was another success with more than 50 people in attendance at the Arts Quest Center at Steel Stacks we couldn't have asked for a better holiday setting. Hopefully we will see you there next year. More detailed information on these events can be found in later in this newsletter.

Our board is working on enhancing our newsletter with more information for our members and sponsorship opportunities. We are always looking for members who have a passion for writing to help out with the newsletter. We also have board opportunities and plenty of committees to join. For more information please contact one of primary committee chairs:

- Geotechnical Committee (Phil Gauffreau) at pgauffreau@maserconsulting.com;
- Environmental/Water Resources (Aaron Frantz) at FrantzAR@cdmsmith.com;
- Transportation Committee (Tim Kramer) at tkramer@rkrhess.com
- Structural Engineering Institute (Cheryl Rishcoff) at crishcoff@trcww.com.

There is no better time to get involved with the Lehigh Valley Section! Follow us on Facebook too!!
Holiday Banquet 2013
By: Phil Gauffreau, P.E., M.ASCE

On Thursday December 5, 2013, more than 50 members of the Lehigh Valley Section, spouses, and guests celebrated the Holiday Season together at the ArtsQuest Center at Steel Stacks in Bethlehem. The festive group also included several students from nearby Lehigh University. We enjoyed the spectacular views from the Fowler Blast Furnace Room, and traditional string music featuring Cliff Cole on the hammered dulcimer (look it up!).

Our special guest at the banquet was Dr. Panos Diplas, the P.C. Rossin Professor and Chair of the Civil and Environmental Engineering Department at Lehigh University. Dr. Diplas, who is also a Professor of Water Resources Engineering, recently came to Lehigh in 2013 from Virginia Tech. After introducing his personal and professional background, Dr. Diplas provided a power-point presentation about the CEE Department, where it is now, and where it is headed.

The highlight of the evening was a fascinating presentation from our keynote speaker, Mr. James Durkin, P.E. As a Civil Engineering graduate from Lehigh’s Class of 1984, Jim was making his triumphant return to the Lehigh Valley. After graduation, his career path took him into Construction Management, and Jim has been working for Tishman Construction Corporation in New York City for over 26 years. Currently, Jim is Senior Vice President, and serves as Project Executive for the World Trade Center Transportation Hub. Previously, he was a Project Manager for WTC 1 (a.k.a. the “Freedom Tower”).

Jim’s presentation traced various aspects of the reclamation of the World Trade Center site, and the construction of several key new structures. Of particular interest was the “top-down” micropile and structural framing support for the No. 1 subway tunnel, which had to remain active while they excavated 30 feet of soil and rock from beneath it. Jim also described his experience with the Freedom Tower project, as well as the spectacular Calatrava-designed Transportation Hub. Jim discussed the complex logistics of building such massive structures in the heart of Downtown New York City, coordinating so many trades, and keeping all of the stakeholders informed and satisfied. In addition, the intricate details and precise coordination required to build the Hub project were mind-boggling, and the damage done by Hurricane Sandy to the site was eye-opening (and expensive).

The event was thoroughly enjoyed by all who attended, and was a great way for ASCE to kick off the Holiday Season!
Lehigh Students designing bridge for B2P project
By: J. Scott Stenroos, P.E., M.ASCE

Russ Vignali and Tara Hofferth from Lehigh University’s new Student Chapter of Bridges to Prosperity (B2P) gave a presentation on their project to design a 220 ft. long footbridge in the Coclé region of Panama in June 2014 which will give various rural communities access to essential goods and services. To find out more about the Lehigh University Student Chapter and the current project in Panama, please visit http://b2p.web.lehigh.edu

Engineers Without Borders Travels to Sierra Leone
By: J. Scott Stenroos, P.E., M.ASCE

Bill MacNair and Jake Schray have both traveled to Sierra Leone to review projects covering water well drilling and pumping, sanitation, solar power electricity for lighting and future structural buildings. ASCE members were enlightened to hear Bill and Jake speak about their trip and experiences in Sierra Leone. Both Bill and Jake are members of the Engineers Without Borders - Lehigh Valley Professionals (EWB-LVP) chapter whom is partnering with the Centennial Secondary School (CSS) in the village of Mattru Jong, Sierra Leone.

Unfortunately the school was ransacked and occupied by rebels during the civil war from 1991 to 2002. Much of the school’s infrastructure, including the distributed water supply, sanitation facilities and building structures, is now incapable of meeting even the most basic needs. Prior to the civil war, CSS was a boarding school and one of the top schools in the country. Today the school serves about 1,200 commuter students with minimal facilities. Several trips have been made to the school by EWB-LVP Chapter members. To date Bill, Jake and other members have been working on solar panel lighting, sanitation, education, providing a well and water distribution projects. Their next trip is scheduled for early 2014. Additional information can be obtained at www.ewb-lvp.org.
2014: Year of the Pennsylvania Report Card on Infrastructure
By: J. Scott Stenroos, P.E., M.ASCE

“The American Society of Civil Engineers is committed to protecting the health, safety, and welfare of the public, and as such, is equally committed to improving the nation’s public infrastructure. To achieve that goal, the PA Report Card depicts the condition and performance of the nation’s infrastructure in the familiar form of a school report card—assigning letter grades that are based on physical condition and needed fiscal investments for improvement.”

Founded in 1852, the American Society of Civil Engineers, ASCE, represents more than 144,000 civil engineers worldwide. Every four years the PA State Council (for ASCE) works with the four ASCE sections within Pennsylvania: Philadelphia, Pittsburgh, Central Pennsylvania and Lehigh Valley in order to update the State’s report card. The PA State Council represents more than 6,000 civil engineers statewide.

The “2014 PA Report Card for Pennsylvania’s Infrastructure” assesses our Bridges, Dams and Levees, Drinking Water, Navigable Waterways, Parks and Recreation, Rail, Roads, Schools, Solid Waste, Stormwater, Transit and Wastewater in order to provide background, conditions, options and recommendations. The release of the 2014 PA Report Card is anticipated in May 2014.
2014 Multi-Region Leadership Conference Attracts ASCE Leaders from Sections, Branches, Younger Member Groups, and Student Chapters
By: Gregory J. Kuklinski P.E., M.ASCE

Over 300 current and rising leaders from ASCE’s Regions, Sections, Branches, Younger Member Groups, and Student Organizations gathered for an opportunity to develop and enhance their leadership skills, receive greater exposure to the organization, operations, and resources of ASCE and network with peers and colleagues in frigid Indianapolis, IN on February 7 -8, 2014 at the Downtown Marriott.

Organized under the umbrella of the Multi-Region Leadership Conference, three major Society components met concurrently as well as individually during this intensive 2 day event. The three Multi-Region Leadership Conferences which encompassed the Workshops for Section and Branch Leaders (WSBL), the Eastern Younger Member Council meeting (ERYMC), and the Workshops for Student Chapter Leaders (WSCL). In attendance from the Lehigh Valley Section was Bethany Malusa, P.E., M.ASCE representing the Younger Members, three students from Lehigh University and Gregory Kuklinski, P.E., M.ASCE who was responsible for planning and organizing the WSBL.

All attendees met in joint sessions and discussed common issues and concerns impacting the engineering profession. The Section and Branch representatives, Younger Members, and Student Members each dispersed into individual groups to focus on issues pertaining to their own organizations. Throughout the 2 days, the attendees had excellent opportunities to meet their elected Society leaders, and hear from ASCE President Over, President-elect Bob Stevens, Executive Director Pat Natale, among others. Also, all attendees had the opportunity to participate in the Order of the Engineer ceremony led by President Randy Over.

The Conference provided joint networking activities and opportunities to interact and work together with ASCE leaders at various stages of their professional careers. Some of the highlights of the weekend included a presentation on “What is a Leader?” from Industry Leader Council member James Rispoli, P.E., F.ASCE and Blaine Leonard, P.E., D.GE., F.ASCE, who had an interactive and enjoyable presentation on Leadership Network Successes.
SEI Lehigh Valley Chapter Officers & Committee Members

Chair: Cheryl Rishcoff, P.E.
Vice-Chair: Matt Kawczenski, P.E., S.E.
Secretary: Joseph L. Sirignano, P.E., AVS
Christopher Blechschmidt, P.E.
Ben T. Yen, Professor Emeritus
Jason Coleman, P.E., CSI CDT
Dr. Sougata Roy, Principal Research Scientist

If you are on Linked In, join the SEI group of ASCE where 16,000 members post and respond to SE-related discussions.
http://www.linkedin.com/groups?about=&gid=143956

The Lehigh University Senior Capstone Design Class Professor is looking for members of the local engineering community to attend student presentations – Professor Spencer Quiel has been teaching Lehigh's civil engineering capstone design class this semester, in which the seniors are working on a multi-disciplinary building design project. The students have been divided into 8 groups and will be presenting their final designs during the week of April 21st. Dr. Quiel is looking to recruit some members of LVASCE to attend. Each presentation is about 20 minutes, and the plan is to have four presentations each on Monday, April 21st and Wednesday, April 23rd. If you are interested in attending, please contact:

Spencer Quiel, PhD, P.E.
Assistant Professor
Department of Civil and Environmental Engineering
Lehigh University
117 ATLSS Drive, IMBT Lab
Bethlehem, PA 18015
Email: squiel@lehigh.edu
Office: (610) 758-5498
LVASCE Budget 2013-2014

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ASCE Honors 2013-2014 Award Winners  
By: Ben Guthrie, P.E. M.ASCE

At the 2014 Lehigh Valley Engineers Week Banquet, ASCE was pleased to honor our 2013-2014 award winners. Congratulations to our 2013-2014 Engineer of the Year, Greg Kuklinski, P.E. of Alfred Benesch & Company. Greg has worked for Alfred Benesch & Company’s Allentown office since April 2000. He has been involved in ASCE on a local and national level for many years, serving as a board member and committee member for the Lehigh Valley Section and then going on to serve as a member of the national Committee on younger Members (CYM) for several years. Greg has also given back to the community by dedicating his time to Lehigh University, MATHCOUNTS, the American Society of Highway Engineers, and other organizations. We would also like to congratulate Tim Kramer, P.E., who has been selected as the 2013-2014 Young Engineer of the Year. Tim is a project engineer at RKR Hess, A Division of URTS, Inc. Tim has been actively involved in ASCE for several years. He served as the president of the ASCE Younger Member Forum and then went on to serve as president of the Lehigh Valley Section. Congratulations to Greg and Tim for their well-deserved recognition.
April Dinner Meeting
Research Presentations
by Lafayette College and Lehigh University

Tuesday April 8, 2014
5:30pm – Social Hour
6:30pm – Dinner
7:30pm – Student Presentations

LVASCE will also be presenting the annual Student Award to a senior from Lafayette College and Lehigh University.

Sponsored by:
Lehigh Valley Section Student Relations Committee

LOCATION:  Lafayette College
Faculty Dining Room in Marquis Hall
730 Sullivan Road
Easton, PA

PARKING:  Available at the March Field Parking Lot on Sullivan Road or at the Parking Deck between Markle Hall (Admissions) and Fisher Field or the Parking Deck on Sullivan Road down the hill from Marquis Hall

PRICE:  $40.00 (ASCE Members and non-members)
$15.00 – Students
Student Sponsorships ($25) are available

DINNER MENU:  Buffet with antipasto salad, Caesar salad, chicken cacciatore and penne pasta with marinara sauce and pesto cream sauce.  Soft drinks will be provided.  Dessert is tiramisu.

RSVP:  Register for the event via LV ASCE website by April 3, 2014 or contact Bethany Malusa at bmalusa@benesch.com

For more information, visit the Section website at:  www.lvasce.org

LVASCE Student Sponsorship Opportunities

One of the means for growing student attendance is providing them with a low cost fee for attending our events.  Typical LVASCE dinner meetings carry a standard fee of $40 per person and a reduced fee of $15 per student.  This is why we ask for your support of our student initiative by sponsoring students who attend our meetings.  We have recently modified our online event reservation form to include a student sponsorship option, whether one is attending the meeting or not.  Please consider a $25 student sponsorship at future LVASCE dinner meetings or events.  Thank you.
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 Events Schedule Spring 2014**

Bethlehem Bridge Tour
Happy Hour at J.P. MacGrady’s
April 15, 2014
(raindate April 16, 2014)

Happy Hour and Bowling at Revloutions
May 7, 2014

Whitewater Rafting
Summer 2014

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!
9th Annual
Bethlehem Bridge Tour
Tuesday, April 15, 2014
(raindate Wednesday April 16, 2014)
4:30pm

Sponsored by:
American Society of Civil Engineers
Lehigh Valley Section YOUNGER MEMBER FORUM

MEETING PLACE: Fritz Lab Parking Lot, Lehigh University

PRICE: Tour is Free and open to ALL ASCE MEMBERS

DESCRIPTION: The tour will consist of visiting bridges in downtown Bethlehem led by Dr. Ben Yen of Lehigh University. The tour starts at the Fritz Lab parking lot and will consist of driving to different bridges with a discussion about each of them. Come prepared with lots of questions, a hard hat and suitable work shoes.

RSVP: Greg Kuklinski by April 14, 2014 at 5pm
(610) 439-7066 (w)
gkuklinski@benesch.com

More information and directions will be given following RSVP
ASCE Younger Members Forum Presents...

Come Network with other young Civil Engineers!!

When: Tuesday, April 15, 2014
Time: 6:30pm (after the Bridge Tour)
Where: J.P. MacGrady’s
117 E 3RD Street, Bethlehem, PA 18015

http://www.jpmacgradys.com

Come Network and Bowl with other young Civil Engineers!!

When: Wednesday, May 7, 2014
Time: 5:30-7:30pm
Where: Revolutions Main Bar
(Inside to the Left)
3717 PA 378, Bethlehem PA 18015
(In Saucon Valley Square)


Drink Specials
Appetizers will be provided
ASCE to Host P.E. Review Course in the fall for PE Exam!

Are you scheduled for the October 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 has made arrangements to host ASCE’s live P.E. Civil Exam 12-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 12 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. If you are unable to attend a live session, don't worry, you'll have free access to an on-demand recording.

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

Registration
Normally this course costs $1,395. However, if you sign up through ASCE-LV, the registration fee is just $450!
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.

Lehigh University Spring 2014 Khan Distinguished Lecture Series

2nd Lecture: JON D. MAGNUSSON,
Senior Principal, Magnusson Klemencic Associates, Seattle, WA
"Structure Becoming Architecture: Case Studies of Aesthetics, Form, and Efficiency"
Friday, March 21, 2014 - 4:30 pm
http://www.lehigh.edu/~infrik/2014/frk14magnusson.html

3rd Lecture: CHARLES H. THORNTON,
Chairman, Charles H. Thornton & Company, LLC, New York, NY
"Renaissance, Rebirth and Disruptive Innovation"
Friday, April 11, 2014 - 4:30 pm
http://www.lehigh.edu/~infrik/2014/frk14thornton.html

Location: Sinclair Lab Auditorium
Lehigh University
7 Asa Drive Bethlehem, PA

The lectures are free and open to the public.
A pre-lecture reception will be held in the Sinclair Lobby at 4:10 pm.
For additional information about the Fazlur R. Khan Distinguished Lecture series please visit: http://www.lehigh.edu/frkseries
Committees

Membership – Phil Gauffreau (pgauffreau@maserconsulting.com)

Nominating/Awards – Ben Guthrie (bguthrie@trafficpd.com)

Lehigh Valley Engineering Council/Engineers Week Banquet –
Scott Stenroos (sstenroos@keystoneconsultingengineers.com)

Younger Member Forum – Bethany Malusa (bmalusa@benesch.com)

Student Chapter Affairs – Bethany Malusa (bmalusa@benesch.com)

Website – Ben Guthrie (bguthrie@trafficpd.com)

Geotechnical – Phil Gauffreau (pgauffreau@maserconsulting.com)

Continuing Education – Jim Hendricks (jhendricks@rettew.com)

Legislative Affairs – Bill MacNair (billmacnair@gmail.com)

Hospitality – Chas Snyder (csnyder@pennoni.com)

Structures – Cheryl Rishcoff (crishcoff@trcww.com)

Transportation – Tim Kramer (kramer.timothy@gmail.com)

Environmental – Aaron Frantz (frantzar@cdmsmith.com)

Get More Involved in ASCE!!

Now is the time to get more involved in ASCE. We are looking for new board members and committee chairs for 2014-2015. You can help plan events, select featured speakers, and shape the future of ASCE in the Lehigh Valley. There are plenty of opportunities, ranging from committee memberships to leadership positions. All ASCE members are welcome.

Contact Ben Guthrie (bguthrie@trafficpd.com) to express interest or to ask any questions.
Search Career Opportunities on the ASCE Website

The ASCE website is now your source for civil engineering job postings. Any local firm can now advertise career opportunities in the ASCE newsletter and the ASCE website. There is no charge for this service. Check out the website today to see what opportunities are available in the Lehigh Valley. If your firm would like to advertise a career opportunity please contact Ben Guthrie, chair of the website committee via email (bguthrie@trafficpd.com).

Job Postings:

McMahon Associates (Staff Engineer)

Other Advertisement Opportunities with the Lehigh Valley Section

One-time ad 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!