A MESSAGE FROM THE UTAH SECTION PRESIDENT

I hope that this month’s addition finds you all happy, well, and settled into a new year. Surprisingly I think I may have already corrected writing 2014 enough to remember that we are now in 2015. Flipping the calendar fills me with optimism, hope, and excitement for what is to come. Hopefully we are all still being successful with at least a few of the New Year’s resolutions we made for ourselves. Remember, it’s progress that matters, not perfection.

The new year also brings a new session of Congress and the state legislation starting on January 26th. In conjunction with the session, we are working to release our ASCE Section Utah Report on Infrastructure at the end of January or first part of February. Please watch for this report card, and stay in contact with your local representatives to make sure that our state infrastructure needs remain a priority.

As we get back into the swing of things we will begin anew working to improve our Section website, preparing for engineer’s week (February 22nd to 28th), and the 100th Section anniversary in 2016. We continue to look for help in these areas. If you are available or interested, please contact one of our section leaders. Thanks again for your commitment to ASCE and work you do as Civil Engineers!
Happy New Year!

We would like to thank Kenton Moffet for his presentation last month on the replacement of the 100 year old water pipeline in Ogden Canyon.

This month we will be meeting at noon on Thursday, January 29 at the Bluebird Restaurant in Logan. To avoid the check-out line, please bring $10 cash for lunch to give to Justin Maughan.

We will hear from Peter Juszczyk from Varicore Technologies. His topic will be: Sub-surface drainage, the do’s and don’ts of sub-surface pipe drainage projects and how a system like Multi-Flow can out-perform the traditional French Drain.

Varicore Technologies has been manufacturing the Multi-Flow sub-surface drainage systems for 25 years. They have been solving the world’s drainage problems in applications such as athletic stadiums, landfills, golf facilities, wastewater lagoons, roadways, parking lots, airports, retaining walls, etc. With over 35 million feet of product installed around the world, Multi-Flow stands as the best replacement for the common French Drain.

Mr. Juszczyk grew up wanting to be an Educator and a Coach. He received a full college scholarship for athletics and earned a Master’s in Education. Peter taught for 1.5 years and an opportunity arose in the construction/drainage industry. He has been in the sub-surface drainage industry for 10 years.

We hope to see you at the Bluebird on the 29th!

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Welcome to 2015, it is amazing how it seems that 2014 was so long ago. However, it seems like just yesterday that the Wasatch Front Branch was able to hear from Ben Davis with the Salt Lake City Redevelopment Agency. Ben spoke to our group of about 45 members at the December 19th luncheon about “Unlocking the RDA Toolbox.” Ben highlighted his challenges and opportunities to work with developers to redevelop several economically challenged areas within Salt Lake City. This month, on January 23rd, we will be pleased to hear about engineering license renewal requirements from DOPL. The meeting will be at WesTech located at 3665 South West Temple in Salt Lake City. Our February luncheon will be held on the 27th at WesTech, where we will hear from the SUE Committee regarding subsurface utility exploration methods.

We thank all who participated in the Sub for Santa that was sponsored by the Community Giving Committee. Donations came in the form of gifts and cash which were used to provide all the requested items to a family of 6. We are thankful for the giving spirit that was shown by our members for this activity. We worked together to make sure a family had a merry Christmas for sure.

February 22nd through the 28th will be Engineers Week. Please watch your email for how and when you can volunteer during this week to promote the engineering profession to the younger generation and future of engineering. In addition to the emails that will be sent out, more information will be provided at our luncheons for these opportunities.
With the new year now upon us, I would like to invite local ASCE members to be more involved in our monthly meetings. Our goal this year is to provide a broad perspective of engineering disciplines in a way that engineering practitioners would find fundamentally valuable. The monthly meetings provide professional development units and the proceeds from the lunches help fund our scholarship program awarded annually to local civil engineering students.

We would like to welcome everyone to this month's luncheon at Cabela's in Lehi, Utah on January 15, 2014 at 12:00 p.m. Our subject is Envision Utah. Please join us to hear from Ari Bruening and Lonnie Bullard as they discuss Envision Utah's effort of Your Utah Your Future. Envision Utah is a nonprofit, nonpartisan organization committed to exploring the challenges and opportunities of growth in Utah without sacrificing the incredible quality of life that makes Utah great. In 1997 Envision Utah hosted a historic series of workshops and surveys that ended up laying the groundwork for actions including TRAX, Frontrunner, Daybreak, City Creek, water conservation and more. With Utah's population projected to grow by 2.5 million in the next three decades, Envision Utah is making history again with the Your Utah Your Future project, a statewide process that invites the public to get involved and decide how Utah will grow. The primary focus of his presentation will be on transportation and water issues impacting Utah's growth.

Ari Bruening has extensive experience in visioning and implementation efforts for regions and large-scale projects. Prior to joining Envision Utah, he helped manage visioning and entitlement projects for the San Diego region; Laie, Hawaii; the 93,000-acre Kennecott Land Company project in Salt Lake County; the 175,000-acre Superstition Vistas Arizona state trust land parcel; and the 300,000-acre Deseret Ranches of Florida landholding near the Orlando International Airport. He represented Kennecott Land Company in the land use planning and approval effort for over 90,000 acres on Salt Lake's West Bench, including the 4,000-acre Daybreak community that has received widespread acclaim. Ari, an AICP certified planner, graduated magna cum laude from Harvard Law School, where he was an editor for the Harvard Law Review. He is the author of "The TDR Siren Song: The Problems with Transferable Development Rights Programs and How to Fix Them," 23 Journal of Land Use & Environmental Law 423 (2008) and "Old Regionalism, New Regionalism, and Envision Utah: Making Regionalism Work," 118 Harvard Law Review 2291 (2005), and a co-author of "Sprawl & Local Government Taxation Regimes: Cause & Effect" in Urban Sprawl: A Comprehensive Reference (2005).

Mr. Lonnie M. Bullard served as the Chief Executive Officer of Jacobsen Construction Company, Inc., since 1996. Mr. Bullard has over 25 years of professional experience. He served as the President of Jacobsen Construction Company, Inc. Prior to working with the firm, Mr. Bullard was a Senior Partner and Project Manager with the Boyer Company for 11 years. From 1993 to 1996, he worked at Boyer Co, Salt Lake City, UT. He serves as the Chairman of Jacobsen Construction Company, Inc. Mr. Bullard serves as a Director of Jacobsen Construction Company, Inc. He is also a Member of the Board of the Utah Fund of Funds. Mr. Bullard has served on many Boards including: Member of the Coalition for Utah's Future, Member or the Economic Development Corp. of Utah, Chairman and Member of the Utah School and Institutional Trust Lands Administration, and Member of the Utah Chapter of the Associated General Contractors. In addition his professional affiliations include: Member of Rotary International, Member of the Utah Chapter of Young President Organization, Member of the National Private Industry Advisory Council, and Member of the Legacy of Life Committee at the LDS Hospital Heart and Lung Research Foundation. Mr. Bullard graduated in 1979 with a B.A. degree from Weber State University and an M.B.A. from Northwestern in 1981.
I hope the New Year finds everybody well. As we start the New Year and we spend some time reflecting on 2014 if there are projects or people in the Southern Utah engineering community that stand out we want to hear about it. This year we will be doing the awards differently rather than giving out the 2014 awards in September we are planning on having an awards banquet in March. So from now until the middle of February we will be looking for nominations in the following categories: Engineer of the Year, Community Service, Engineering Innovation and Civil Engineering project of the year for the Southern Utah area. Often time’s projects get overlooked because on the surface it is hard to determine what type of obstacles the design professional had to overcome to complete the project. Same goes for the awards that we give individuals unless you work with them or know them personally it is hard to give credit where credit is due. So as we move into 2015 we ask that if you have a person or a project you want to nominate please contact us and we can get you a nomination form or just send a write up of the person or project and why the deserve the award. Please email us at asce.so.utah@gmail.com.

This last month we had our annual Christmas luncheon we had a pretty good turnout. It was nice to see some of the ASCE members from the community that I have not seen for a while. We did not have a presenter instead it was more of a social event. This month we asked Matthew Roblez, S.E., SECB, from McNeil engineering to present to us on “Utah Engineering Law” this will take place January 15. It will be an informative presentation and I believe he will touch on a few of the current changes. No matter how long you have been licensed I think it always good to review the laws in the states you are licensed in and this is great opportunity to do that in a group setting. We will be offering a certificate for 1 hour of continuing education so if your license is up for renewal and you are still trying to get the last few hours you need please join us for this presentation. This month’s luncheon will be held at Cliffside Restaurant up by the old airport. We are asking that you RSVP on or before January 14th so please email us if you are interested in coming or want more information at: asce.so.utah@gmail.com.

If you would like to get involved with the Southern Utah Branch of ASCE please contact us we will be looking for volunteers or nominations for a new secretary/ treasurer. It is a great opportunity get to know some of the fellow engineers in the area and also be a part of a great organization. I have enjoyed the last three years I have been involved and the training and experience it has provided has been well worth it.
The Utah Young Member Forum (YMF) has been busy planning events for 2015 to help younger membership network with fellow engineers and grow their knowledge base. January 2015 is full of activities to meet new friends and provide service to the community.

- Thursday, January 15 at 6pm the ASCE YMF has been invited to join in a Brushbot race Tech “Happy Hour” hosted by the local IEEE Utah section and SWE. The event will be held at Legends Sports Pub in Salt Lake City. This will be a great opportunity to get to know other engineering professionals and enjoy a nice evening. For more information and to RSVP please visit the IEEE Utah Section Facebook page.

- Thursday, January 22 at 6pm the ASCE Utah YMF will be holding a networking social night for Civil Engineers at the Porcupine Pub and Grille (mouth of Big Cottonwood Canyon). Please RSVP on our Facebook page event at ASCE YMF Utah.

- Sunday, January 25 at 4pm we will be cooking and serving dinner for the residents of the Ronald McDonald House. Come show off your culinary skills while serving others. Dinner will be served at 6pm. For more information and to RSVP please visit our Facebook page (ASCE YMF Utah).

Those who are ahead of the game in planning your study schedule for the April PE Exam, here is the news you’ve been waiting for. The 2015 YMF Spring PE Review course will begin on Tuesday, March 10th and will be held at UDOT Region 2 offices. The course will last for five weeks with two sessions each week. The review course instructors are local professionals and very knowledgeable at preparing you to pass the exam on your first attempt. More information will be distributed in the coming weeks with information on price and how to sign up. If you would like to preregister to save a seat for the course, please email utahasceymf@gmail.com with “SPRING 2015 PE Review Course” as your Subject.

Thank you for your membership in the ASCE YMF! If you would like to become more involved with planning memorable events in the YMF, please call me, Clark Anderson at 713-679-9136 to learn how you can participate with this exciting group. You can also visit our Facebook group “ASCE YMF Utah” and add our google calendar (utahasceymf@gmail.com) to stay “in the know”.
As we look ahead to 2015 two important events are on the horizon. In January the ASCE report card for the State of Utah will be released and should lead to important discussions on the state of infrastructure, risks, and funding on a local level. Additionally, the 2015 International Foundation Congress and Equipment Expo (IFCEE) in March will present a unique opportunity for ASCE’s institutes to collaborate in San Antonio.

The 2016 Geotechnical and Structural Engineering congress is planned for February next year as a teamed venture with the Structural Engineering Institute. We have been asked to reach out to anyone interested in Short Course proposals for the conference. The proximity to our region and favorable winter weather should make this a great conference to start planning for next year. You will find attached to the Civil Source a ‘Call for Short Course Proposals’ from ASCE for all those interested.

We would like to ask our members to let us know of topics or upcoming events of interest as we plan for 2015. Thanks again for your continued support.

Welcome to 2015. I hope everyone had a good holiday and is looking forward to a fantastic year.

SEI has been asked to pass along information for an upcoming short course on Seismic Ground Motions. The EERI Utah Chapter is hosting a one-day Short Course on Thursday, March 5, 2015. This is a great opportunity for engineers to gain a greater knowledge of how seismic ground motions are predicted and incorporated into the building code.

This course will provide background information to help understand what the IBC ground motions mean in relationship to a large magnitude earthquake on the Wasatch Fault. It will provide information on predicting the ground motions that could occur if there was ever an earthquake on the Wasatch Fault. The course will focus on providing a practical understanding of the seismic ground motions, specifically focused on the Wasatch Fault and other Utah faults.

Speakers will include David Boore, Ivan Wong, and Brent Maxfield.

David Boore is one of the authors of the Ground Motion Prediction Equations (GMPE’s) used to predict ground motions based on factors such as magnitude, distance, type of fault, shear wave velocity, angle of fault, etc. He will speak on how the GMPE’s were developed.

Ivan Wong of URS is serving on the Working Group on Utah Earthquake Probabilities. He will discuss the efforts of this group to estimate the probabilities of large earthquake along the Wasatch Front. He will also discuss the specifics of the Wasatch Fault and other faults and provide the range of input variables to be used in the GMPE’s.

Look for more information coming soon. Please contact Brent Maxfield for more information: maxfieldba@ldschurch.org.
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Call for Short Course Proposals

The Congress Joint Program Committee invites you to submit short course proposals by February 11, 2015 on technical topics of interest to the disciplines of geotechnical and structural engineering.

ABOUT THE CONFERENCE

The Geo-Institute (G-I) and the Structural Engineering Institute (SEI) of the American Society of Civil Engineers have come together to create this first-of-its-kind conference. By combining the best of both Institutes’ annual congresses into one unique event, attendees will benefit from unmatched learning and networking opportunities with colleagues within and across disciplines.

The technical program will include diverse interdisciplinary topics such as professional practice, soil structure interaction, geotechnical and structural elements of foundation and retaining wall design, soil behavior and performance — as well as traditional geotechnical and structural topics.

PROGRAM HIGHLIGHTS

- Pre-Congress short courses
- 3½ days of premier educational and networking events
- 15 tracks and 6 plenary sessions focusing on interdisciplinary and discipline-specific areas of interest for professional development hours
- Prestigious awards and keynote lecture presentations
- Impressive exhibit hall — more than 100 exhibitors expected
- Lively student and young professional program

WHO WILL ATTEND

- Geotechnical Engineers
- Geoprofessionals
- Structural Engineers
- Bridge and Building Designers
- Government Officials
- Owners
- Educators
- Practitioners
- Young Professionals
- Students
- Civil Engineers
- and Researchers interested in cross-cutting topics

www.geo-structures.org
INSTRUCTOR PAYMENTS
Short course instructors will be paid a flat fee of $1,500 for developing and conducting a full-day course and $1,000 for a half-day course. If more than one instructor teaches the course, the fee will be divided among the instructors.

SHORT COURSE FORMATS
Short courses will be held February 14, 2016 at the Phoenix Convention Center. Attendees may earn up to 8 PDHs for a full-day course; 4 PDHs for a half-day course.

PROPOSAL REQUIREMENTS
Please submit your proposal with the following information. Proposals submitted without all requested details may not be considered:

1) Course Title
2) Course Format: Full-Day/8 hours OR Half-Day/4 hours?
3) Course Description: two or three paragraphs including the following information:
   - Who should attend the course?
   - Reasons to attend the course
   - Knowledge Gained/Course Objectives (≥ 3 bullet points)
4) For All Instructor(s): role in course (lead or co-instructor); full formal name; credentials; position title; employer or institution, contact information (email, phone, on-site cell phone, and mailing address, including street, city, state, zip).
5) Course Rationale: Description of course value to geotechnical and structural engineers.
6) BRIEF Biography (<100 words) for each instructor, describing instructor qualifications.
7) Summary of Handouts: What course materials will instructor provide or create for attendees? (i.e., course-specific documentation, pre-existing publication, etc.) Indicate source of materials. Note: ASCE will make copies from instructor-provided originals.

DEADLINES
- Short course proposals due: ....................... February 11, 2015
- Short course decisions communicated to lead instructor: ............................... April 10, 2015
- Formal Instructor Agreement sent to each lead instructor: ............................... May 8, 2015
- Instructor Agreements due: ............................... May 29, 2015
- Course logistics (i.e., special AV needs, size of handouts, etc.) finalized by: ............................... November 4, 2015
- Handout originals due: ............................... December 16, 2015
- Conduct short course: ............................... February 14, 2016
- Receive instructor payment: ............................... April 15, 2016

QUESTIONS?
Contact Helen Cook at hcook@asce.org

HOW TO SUBMIT YOUR PROPOSAL
Email this information before February 11, 2015 to geo-institute@asce.org. In the subject line, please include the phrase “2016 GSEC Short Course Proposal.”
Celebrate the 100th Anniversary of the Utah Section of ASCE and Be Part of the History

In 2015-2016 we will celebrate the 100th Anniversary of the Utah Section of ASCE. It will be a time to be proud of our achievements in the State of Utah. We forming the planning committee with members from around the state. We are planning to prepare a book with pictures showing a 100 projects during that 100 year period. This is an opportunity to show of the works of your companies. It will also include short interviews of some the senior members of our profession. This is your chance to nominate projects and interviews that should be included. For more information and to volunteer to for the planning committee please contact Stanley L. Klemetson, Ph.D., P.E. at sklemetson@uvu.edu or 801-368-6476.
The Civil Source is published at the beginning of each month. If you have something you would like to have published, please contact me.

Kimberly Scholes
ASCE Civil Source Editor
kscholes@pec.us.com

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