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2014-2015

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The Southeast Branch News is published monthly by the Southeast Branch of the Wisconsin Section of ASCE. Change of street and/or e-mail address should be sent to ASCE, 1801 Alexander Bell Drive, Reston VA 20191 (800/548-ASCE). You may update your own information at the Members Only page of WWW.ASCE.ORG

The deadline for articles for the next newsletter is the first of the month.

PRESIDENT'S MESSAGE

Dear Fellow ASCE Members,

At the end of January, I attended the Regions 3, 6, and 7 Workshop for Section and Branch Leaders in Houston, Texas. This is a workshop that ASCE section and branch leaders from many different states gather to discuss successes and challenges within the many different sections and branches and to also learn more about the many resources that ASCE National can provide us. This was the second workshop that I have attended, with the first one being in 2013 when we hosted it in Milwaukee.

During the 2 days of the conference I sat in many different presentations that focused largely on leadership and personality types. One presentation was particularly interesting and I'd like to share a few things from it. The presentation focused on dealing with difficult people. Not everyone we come across in our professional and personal lives are easy to get along with, much less work with to achieve a common goal. We all deal with these situations in our own unique ways, but here's the main tips that I left the session with:

- 1) Switch perspectives. "Seek first to understand"
- 2) Are you the problem? What do they think that I do?
- 3) Don't let your response be dictated. Keep your cool.
- 4) Keep focus on being proactive, not reactive. Focus on positive things.
- 5) Naysayers are afraid to take responsibility. Be proactive with them.
- 6) Have a private conversation with the person. Start with a positive.
- 7) Listen and hear people.
- 8) Pick your battles.

During the rest of the workshop, much of the discussion focused on challenges and successes within our respective branches. Most of the challenges that other branches are facing seem to revolve around member involvement in some form. I am happy to say that is not a challenge that we have. With good attendance at monthly meetings, an energetic Younger Member Group, and expanding our program to make the STEM Expo an annual event, we're an active group! Our challenge is to continue to find ways to grow and improve our organization. As always, we are open to ideas for new things to do or for speakers that we can bring in. Feel free to let me know.

Sincerely,
Jared Wendt, P.E.

Jared.wendt@ch2m.com

SE Branch April Meeting – Save the Date

The SE Branch April Meeting will be our annual spring partnership meeting with STEM Forward. The meeting will be held on April 22 at the GRAEF office in the Honey Creek Corporate Park during lunch.

Stephanie Hacker will be the guest speaker presenting on Transform Milwaukee Strategic Action Plan. More information will be arriving in you inbox in the near future!

2015 Scholarship Golf Tournament – Registration is now open

2015 ASCE SE BRANCH SCHOLARSHIP GOLF TOURNAMENT

FRIDAY, JUNE 12, 2015

10:30AM SHOTGUN, IRONWOOD GOLF COURSE, SUSSEX, WI



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GAMES FOR MORE PRIZES. GRAND PRIZE: APPLE IPAD**

VISIT WWW.ASCEWISE.ORG FOR MORE INFORMATION AND TO REGISTER

Congratulations Life Members!

Article By: Nick Bobinski

ASCE Wisconsin Southeast Branch would like to recognize our members who recently attained Life Member status. A Life Member is an individual who has made a lifetime commitment to ASCE and the civil engineering profession by remaining a member for the full length of their professional career (at least 35 years).

Congratulations to Darrell Berry, Joseph Eberle, Nancy Schultz, Carl Johnson, Kenneth George, Leslie Blum, Richard Smith, Randolph Videkovich, and Michael Marlin. We truly appreciate your contributions to our branch and our profession!

STEM Expo

Editor' note: The two flyers mentioned below are on pages 8 & 9 of the newsletter.

Article By: Bridget Schuh Henk

The STEM Expo team is excited to announce that the 2015 STEM Expo will be on **October 10, 2015** at the MSOE Kern Center! A Save the Date Flyer is attached to the newsletter. Feel free to distribute this flyer to anyone you think may be interested in attending the event.

As in past years, the STEM Expo's successes come from promoting the event, excellent volunteers, and company sponsorships. We have the first two well on its way and are ready to start accepting sponsorships for the 2015 event. A one page sponsorship flyer with a link to the on-line event is also attached to the newsletter. Sponsorships help us to keep the event free to the public and make it possible to provide excellent programming to the attendees.

The next planning meeting is scheduled for April 8 at 5:30 PM. Contact Bridget Henk (Bridget.Henk@graef-usa.com) or Tony Castle (acastle@emcsinc.com) if you are interested in joining the team or if you have any questions.

For more information on the last STEM Expo please see www.ascewise.org/stem-expo

Rube Goldberg Machine Contest

Article By: Bridget Schuh Henk

On March 6th the annual STEM Forward Rube Goldberg Machine Contest took place at Waukesha County Technical College. This year the teams were tasked with erasing a chalkboard in twenty steps or more. The SE Branch sponsored the Most Rube-Like Machine Award which was presented to the Kimberly High School Thomas the Tank Engine Team pictured in the photo. A special thanks to Tom Simmons, Wayne Higgins, and Marty Worden for representing the SE Branch at the competition.



ASCE Southeast Branch Board Openings

Article By: Jerry DeMers

The ASCE Southeast Wisconsin Branch is looking for a few good people to join its Board! If you would like to be more involved in local planning and activities of ASCE, consider nominating yourself to a position on the Board, which meets monthly. Some of the benefits are:

- Advancing your career by working with other leaders in the civil engineering community.
- Advancing the profession by guiding the Branch's activities.
- Enhancing skills by participating in well-run business meetings!
- Providing opportunities to participate in ASCE on a state or national level.

The Board openings, for terms beginning in October, are for the following positions:

- Director-at-Large, Membership (2-year term): directs the Membership committee, which recruits new members, particularly recent graduates.
- Treasurer (3-year term): prepares a monthly financial statement, and oversees preparation of an annual budget and annual audit with the assistance of past treasurers.
- President Elect (1-year term, followed by 1-year as President and 1-year as past-president): assists the President as-needed, and acts as President in their absence.

If you would like to be a part of the board of ASCE, please contact Jared Wendt at Jared.Wendt@CH2M.com or 414-847-0487.

Geotechnical and Structural Engineering Congress 2016 – Call for Abstracts

Submit your abstract or full session proposal by April 7, 2015 for the Geotechnical and Structural Engineering Congress 2016.

The Program Committee seeks dynamic, relevant sessions and presentations addressing both geotechnical and structural engineering issues. Consider submitting an abstract or session proposal for one of the identified topics or subtopics that will interest both professions. Below are some of the topics envisioned:

- Soil Structure Interaction
- Geotechnical and Structural Elements of Foundation and Retaining Wall Design
- Soil Behavior and Performance
- Professional Practice
- Traditional Geotechnical and Structural Topics

We encourage submissions from practitioners, educators, researchers, geo-technical engineers, geo-professionals, structural engineers, bridge and building designers, firm owners, codes and standards developers, and others.

More details can be found on the conference website at:

<http://geo-structures.org/program/submissions/>

YMG Events

Article By: Brad Seubert

Past Social Events

YMG Snow Tubing at the Rock Complex February 20th. We had 4 people who braved the cold and enjoyed some snow tubing and some warm beverages inside.



Earth Day Cleanup

For the 13th year in a row, ASCE YMG will be volunteering for the annual Earth Day Cleanup with Milwaukee Riverkeeper. Come join us on Saturday morning April 18th at the Menomonee Valley Stormwater Park on Canal Street just under the 35th Street Viaduct where we will pick up trash from the river banks. There will be free t-shirts, plenty of doughnuts, coffee and supplies to get you energized and ready to make the Menomonee River beautiful!

When: Saturday, April 18, 2015
9:00am to Noon

Where: Menomonee Valley Stormwater Park
3400 W. Canal St
Milwaukee, WI 53233

Feel free to invite friends and family members. If you have any questions please contact Tony Castle (acastle@emcsinc.com) or Patrick Flaherty (patrickf@rileycon.com)



Silver Spring Neighborhood Center STEM Program

YMG is in need of volunteers to participate in multiple visits to the Silver Spring Neighborhood Center to work with children between the ages of 6-12 years old, exposing them to various STEM topics. The volunteers will give a short presentation and do a STEM inspired activity. The visits are scheduled for every 2nd Thursday of the month from 3-4 pm starting in April. The Silver Spring Neighborhood Center is located at 5460 N 64th St, Milwaukee, WI 53218. Please contact Tony Castle at acastle@emcsinc.com or 414-810-8264 if you are interested in helping out.



National News of Note

Antarctic research station wins ASCE's 2015 OCEA award

Congratulations to the Halley VI Antarctic Research Station, winner of the American Society of Civil Engineers' Outstanding Civil Engineering Achievement award for 2015, announced during ASCE's OPAL Gala Thursday night in Arlington, VA. The design team of AECOM and Hugh Broughton Architects created the portable, modular polar research facility.



Learn more and watch the video shown at the gala:

<http://blogs.asce.org/2015-ocea-winner-the-halley-vi-antarctic-research-station/>

Latest Highway Trust Fund outlook reinforces urgency to find a solution

The federal Highway Trust Fund is projected to run out of funds this summer unless Congress approves another source of revenue before a May deadline. What does the Congressional Budget Office forecast issued recently mean for negotiations on a long-term solution to surface transportation project funding? ASCE's Government Relations team explains its significance, and how you can make your voice heard. Follow fixthetrustfund.org for developments.

Continuing Education Opportunities

Prevent Accidents & Traffic Delays: The Art of Delivering & Maintaining Successful Signal Timing Improvements

Traffic signal timing and coordination improvements are a cost effective strategy to reduce average vehicle delay. In addition, these improvements can result in significant benefits to a community, including improved mobility and reduced travel times, reduced Greenhouse Gas (GHG) emissions and fuel consumption, and reduced collisions and vehicle stops. While developing signal timing and coordination may be a fairly straightforward concept, there are numerous steps necessary to ensure that your planned improvements are successfully implemented. Failure to adequately navigate these potential pitfalls can affect a jurisdiction's ability to successfully implement needed signal timing and coordination improvements. This webinar is designed to provide a 'holistic' approach to traffic signal timing improvements that bridges the gap between fundamental traffic signal timing principals and real world applications and will help walk you through the necessary steps to avoid many of the pitfalls that doom otherwise perfectly acceptable signal timing improvement plans.

Register at: <http://mylearning.asce.org/diweb/catalog/item/id/534433>

An Introduction to Value Engineering (VE) for Value Based Design Decision-Making

The objective of this webinar is to acquaint participants with the methodology of Value Engineering (VE) and its decision-making process. It will familiarize participants with procedures that provide standards for VE applications. VE methodology has been developed for more than 40 years to assist management and engineering professionals to obtain optimum value for each dollar spent. Typical savings range from 5 to 15% for most projects. This webinar teaches VE in a practical, project-based manner. During the webinar participants will engage in decision-making using VE tools to ensure quality and value while reducing the cost of projects. Participants will hear about a number of case study applications of the VE to gain practical experience. Whether involved in the design, construction, renovation, maintenance, operation, or management of buildings, participants will find it in their interest to understand the principles of the Value Engineering methodology, and its value as a tool to analyze and lower their total cost of ownership of facilities.

Register at: <http://mylearning.asce.org/diweb/catalog/item/id/71558>

'Get to Know Your Board' – Ryan Bowers

We continue this series by getting to know Ryan Bowers, Vice President for the Southeast Branch Younger Member Group Board of Directors.

Tell us about yourself:

I am a structural engineer with GRAEF. I have worked there since graduating in 2008.

Where did you go to school?

I received a B.S. from UW-Platteville and a M.S. from Iowa State.

Do you have any hobbies?

I enjoy running, biking, and playing tennis.

What is your favorite television show(s)?

Parks and Recreation.

What is the highlight of the past year?

The highlight of the past year has been getting engaged and planning our upcoming wedding.

What did you want to be when you grew up?

As a kid, I was always interested in space and wanted to be an astronaut.

What is the best place that you have visited?

I spent 9 days in Ireland in 2013.

A place you would like to visit before you die?

I want to spend some time in Europe and visit cities such as London, Paris, *etc.*

How did you get involved in ASCE?

I joined the student chapter at UW-Platteville while a student there.

What do you like best about ASCE?

I enjoy seeing presentations on various projects and topics.

What advice do you have for ASCE members?

Get involved. ASCE is a great way to meet and network with other engineers.

Newsletter Publication

We welcome your articles, letters & news items for publication in the ASCE SE Branch Newsletter.

Advertisements and job postings are also accepted by contacting:

Brian Genduso, P.E. – 414.278.9200 – bjg@spireengineer.com

Deadline for next issue is the first of the month.



SCIENCE



TECHNOLOGY



ENGINEERING



MATH



October 10, 2015, 10:30 AM TO 3PM

Milwaukee School of Engineering - Kern Center

1245 North Broadway Avenue, Milwaukee

Discover the world of Science, Technology, Engineering, and Math at the at STEM Expo! Activities are geared for ages 6-18 and include college representatives and volunteers from area college programs as well as STEM professionals. Bring your questions and be prepared to get a little messy!

Exploration Stations include: Toy Chemistry, Traffic Trivia, Lego Tower Building and much, much more. Check our website for an updated list of events.

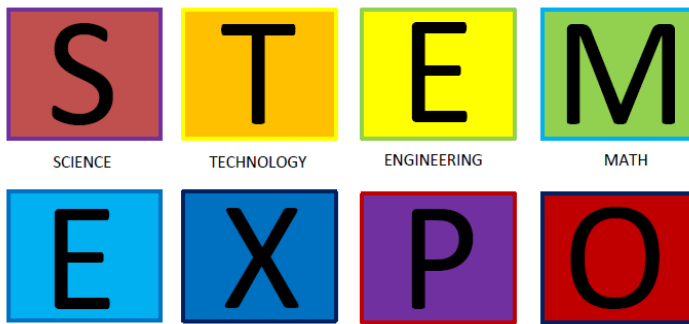
<http://www.ascewise.org/stem-expo/>

- The first 100 kids to attend will receive a goodie bag of prizes from the sponsors
- Food Trucks will be on site during lunch
- There will also be free raffle prizes throughout the day!

If you are a company looking to get involved in the Exploration Stations, please contact Bridget Henk (Bridget.Henk@graef-usa.com) or Tony Castle (ACastle@emcsinc.com) for more information. ASCE is a tax exempt 501(c)3 Non-profit organization.

Sponsored By





October 10, 2015, 10:30 AM TO 3PM

**Milwaukee School of Engineering -
Kern Center**

1245 North Broadway Avenue,
Milwaukee

Back by popular demand is the STEM Expo hosted by the American Society of Civil Engineers (ASCE) Wisconsin Section Southeast Branch Younger Members Group (YMG). STEM Expo will be held October 10, 2015 at the Milwaukee School of Engineering (MSOE).

Similar to the past STEM Expo's, the 2015 STEM Expo will have different companies and organizations from Milwaukee and surrounding areas as sponsors for exploration stations. These stations will have an activity or demonstration of various Science, Technology, Engineering, and Math (STEM) related themes. This event is designed to promote STEM fields to the next generation in a fun and thought provoking way. A time lapse video and pictures from the previous STEM Expo can be viewed at <http://www.ascewise.org/stem-expo/>.

We are asking for companies and organizations that have STEM backgrounds to attend and sponsor the event. Sponsorship provides support for exploration station activities specific to STEM field and allows the event to be free to the public. Sponsors will be recognized at STEM Expo and on the STEM Expo website.

Sponsorships are set up in tiers, as listed below:

- Platinum Sponsorship - \$2,000
- Gold Sponsorship - \$1,500
- Silver Sponsorship - \$1,000
- Bronze Sponsorship - \$500
- Exploration Station - \$250
- Friends of STEM Sponsorship – anything less than \$250

To sponsor the event, click on the link below or contact Ken Mika (kmika@naturalrt.com).

<http://events.constantcontact.com/register/event?llr=8wbor5kab&oeidk=a07eaq4c2glf1e632f1>

Please contact Bridget Henk (Bridget.Henk@graef-usa.com) or Tony Castle (ACastle@emcsinc.com) for more information. ASCE is a tax exempt 501(c)3 Non-profit organization.

This is a paid advertisement, and is not affiliated with ASCE.



Are you looking to go beyond in your career? The Milwaukee School of Engineering (MSOE) has graduate programs in both [Civil Engineering](#) and [Structural Engineering](#).

These programs are uniquely designed to combine MSOE's world-renowned science and engineering background and access to advanced technologies with business leadership principles, allowing graduate to not only be competent practitioners, but leaders as well.

Are you ready to learn more? [Fill out this brief form](#) or join us at our next [online info session](#) on March 3 from 12pm-1pm.

This is a paid advertisement, and is not affiliated with ASCE.



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TRANSPORTATION ENGINEERS /

TERRA is looking to hire Transportation Engineers for its Milwaukee office. Applicants should have experience interfacing with various disciplines to ensure design process is complete and comprehensive. Applicants should be knowledgeable in the preparation of transportation plans, specifications, and estimates. Design duties will include horizontal and vertical geometric layouts, earthwork calculations, signing, pavement marking, storm water drainage design, cross sections, utility coordination and other roadway design. Other duties may include traffic engineering studies to collect information required for proper design, traffic modeling, traffic signal design, and lighting design.

- All Transportation Engineer Candidates should have a BS in Civil Engineering or related field.
- Milwaukee office candidates must have experience with WisDOT standards, Civil 3D and Microstation InRoads. Professional Engineer registered in WI is preferred. Candidate should have a minimum of five years of experience.

ABOUT TERRA /

TERRA Engineering, Ltd. is a multi-disciplinary professional service firm, that utilizes our experience, intellect, passion, and diversity to serve our clients. Our portfolio has evolved to include local, national, and global projects ranging in both type and scale. We approach our work from a foundation of comprehensive expertise and resources, allowing our disciplines to collaborate and create intelligently designed, thoughtful, site-specific solutions that skillfully balance aesthetic with function. We are dedicated to making our clients successful, and to enable our clients and staff to make innovative and socially responsible decisions that result in a sustainable and effective design.

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