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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

Greetings,

Spring is finally here! As the weather gets warmer, everything is sprouting and growing all around us, much like many of our colleagues. Just a few weeks ago, many young engineers sat for the Professional Engineering exam. Having earned a bachelor's degree and gained 4 years of experience under a professional engineer, they just took the last step in fulfilling the licensure requirement.

ASCE has recognized that Professional Engineers will need a greater depth of knowledge to keep up with ever changing technology and the challenges of tomorrow. Many other learned professions have recognized the need to address this need by requiring education beyond a bachelor's degree. This is the thought behind the Raise the Bar Initiative by ASCE. Raise the Bar would raise the requirements for licensure from its current state to also include a master's degree in engineering or 30 additional credits. Studies have shown that as the body of knowledge that an engineer is required to possess has grown, the educational requirements have not. In fact, the number of credit hours that are required for a bachelor's degree have actually declined through the years. Raise the Bar would try to address that shortfall.

ASCE is not alone in endorsing Raise the Bar. The National Council of Examiners for Engineering and Surveying and the National Society of Professional Engineers have also approved of Raise the Bar. The National Academy of Engineers releasing a report stating that 4 years of education is not enough and the National Science Foundation prepared a report to state that a master's degree should provide entry into our profession.

Moving forward, it appears that any change for licensure would be quite some time out into the future. For a change to occur, the state legislature would need to pass updated licensure laws. When the time comes, the change would not affect current PEs.

In the meantime, I wish our young colleagues the best as they eagerly await the results of their Professional Engineering exam and look forward to them graduating in their ASCE memberships from associate members to members.

Sincerely,
Jared Wendt, P.E

Welcome New Members!

Article By: Nick Bobinski

If you are new to the ASCE Wisconsin Southeast Branch, WELCOME!! You'll find all of the latest updates and upcoming events in this newsletter. We look forward to meeting you!

If you are looking for more ways to get involved, please feel free to email me at nbobinski@kapur-assoc.com

Check out our website, too! www.ascewise.org

April Meeting Recap

Article By: Mike Arnold

A joint lunch meeting between ASCE and STEM Forward was held on April 22 at the GRAEF office. The audience of 31 enjoyed an informal but detailed presentation about the Transform Milwaukee Initiative, a comprehensive, public-private initiative that seeks to leverage Milwaukee's workforce, industrial strengths and transportation assets to expand community investments, increase business development, boost job creation and strengthen neighborhoods. The presentation focused on the Strategic Action Plan, based on a) the predefined 5 Key Strategies for the initiative, b) community and business desires, c) recommendations from 60+ past plans, and d) expert knowledge of Milwaukee and the southeastern Wisconsin region. The finalized Plan will become available for public viewing in the near future.

Thank you to STEM Forward for facilitating the meeting and GRAEF for hosting.

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! Feel free to distribute the Save the Date flyer attached to the newsletter 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.



STEM Expo (cont'd.)

On April 25, several volunteers met at the STEM Expo storage unit for a fun hour of counting materials for the 2015 Expo. The next planning meeting is scheduled for May 20 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

Brewers Game Tailgate



Come join us at the 14th Annual ASCE Brewers Tailgate on **May 8th**, our biggest and best event of the year!! Thank you to those who have already RSVP'd, if you haven't there is still time to reserve your spot.

Join us for a full afternoon of tailgating and a chance to see your Milwaukee Brewers take on the Chicago Cubs. Registration costs include an admission ticket (Section 425), plenty of food provided by Brunzel's catering, and beverages. Adult beverages will be available for those 21 years and older.

We will be hosting the tailgate in a reserved tailgate grid area! Exact location is determined the day of the event, but it will be up in the front corners of the Uecker or Yount Lot shown [HERE](#). Gates open at 4:00pm and we will be all set up by the time people start arriving, so look for construction cones, balloons, and some excited Brewer's fans.

Tickets are first come first serve, we only have 170 tickets so register now! We hope you come hungry and are ready to meet some new engineers in your area while cheering on the Brew Crew.

Payment deadline is **May 5th**. Payment must be received to secure your ticket. Preferred method of payment is through PayPal. Checks can be made out to ASCE YMG and mailed to:

Josh Mitchell at 4130 W. Martin Dr, Apt 302, Milwaukee, WI 53208

Payment at the game will not be accepted without prior approval.

Please use the link below to register.

<http://events.constantcontact.com/register/event?r=8wbor5kab&oeidk=a07eardwtj7d5d8aebf>

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

VISIT WWW.ASCEWISE.ORG TO REGISTER

Sponsored by your Geopier® Technology team.



Registration is now open. Confirm your teams and sign them up for the best golf tournament experience of the year; The Annual ASCE SE Branch Scholarship Golf Tournament on June 12, 2015 at Ironwood Golf Course in Sussex, WI -Title Sponsored by the Geopier Technology Team. All participants will be listed in the Tournament Brochure. Last year we sold out so sign up while you can.

Back by Popular Demand we will have the hospitality cart running around making sure you guys and girls are taken care of. The hospitality cart will include things to keep your mojo going through the day like ice cream, apples, water and other snacks.

Back by Popular Demand this year, UWM's bridge building team and their competition bridge will be on the course to talk with each of you. You'll be able to talk about their bridge building competitions and about their aspirations to be civil engineers. They will join other companies on the golf course including PSI and everyone's favorite Jamie from Foundation Support Works of Wisconsin at his normal spot by the putting greens.

Back by Popular Demand this year, our Bloody Mary Bar. The bloody Mary's will be mixed up at the bar located in the Barn next to the registration tables. The bar will have all of your favorites including beef sticks and veggies. Also available for the non-Bloody participants will be a screwdriver bar.

NEW this year MSOE's concrete canoe team will be at the course showing off this year's canoe and meeting all of you.

NEW this year 50/50 raffle going on throughout the tournament.

As you may know, this event is held to fund ASCE SE Branch Scholarships for deserving civil engineering students attending Marquette, UWM and MSOE. ASCE and the Golf Tournament Committee along with Marquette, UWM and MSOE would like to thank our very generous sponsors for their continued support.

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.

YMG Activities

Articles By: Ryan Bowers and Tony Castle

Silver Spring Neighborhood Center STEM Program

The Silver Spring Neighborhood Center is seeking to start a STEM program for their Early Childhood Education 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 with the children. The visits are scheduled for every 2nd Thursday of the month from 3-4 pm starting in May. Please contact Tony Castle at acastle@emcsinc.com or 414-810-8264 if you are interested in helping out.



YMG Activities (cont'd.)**Admirals Game**

On Friday, March 27th, ASCE held its 2nd Annual Admirals Hockey Game night. A group of about 20 came out to cheer the Milwaukee Admirals as they took on the Chicago Wolves. Everyone met at Who's on Third for pre-game refreshments and appetizers. Although the Admirals didn't have a good game, lost 4-8, those who attended sure seemed to have a good time. Keep early spring in mind for next year's Admirals game outing.

Wiffle Ball

ASCE is sponsoring a wiffle ball team this spring, played Mondays (weather depending) at Hart Park in Wauwatosa, with games start at either 5:45 or 6:30. Monday April 27th our game starts at 5:45. Feel free to stop by and give it a try, hit a home run or strike someone out. We are the "Steel Toes" and we wear construction yellow shirts. Check out the Facebook page, search Milwaukee Wiffle. As it suggests, the game of wiffle ball is played leisurely with the philosophy of having a good time first and foremost. That being said, bring your favorite beverage (or don't) and get out to the park. After the game, refreshments/food can be had across the street at Leff's Lucky Town. Contact Dave Jaromin, djaromin@hntb.com if you need more information or have any questions.

Student chapter visits

Kyle Bareither (YMG President) and Brett Kash (Student Chapter Liaison) with the YMG visited UWM, MSOE, and Marquette ASCE Student Chapters this month. They talked with students about the different events happening within the YMG in the coming weeks and how they can stay involved with ASCE after graduation. YMG provided free pizza at the meeting for each chapter, so that they can use their money for upcoming events instead.

Earth Day Cleanup

Several volunteers from ASCE YMG got together Saturday morning, April 18 at the Stormwater Park in the Menomonee River Valley for the annual Earth Day Cleanup with the Milwaukee Riverkeepers. We joined hundreds of other volunteers across the county to help pick up litter and debris. Thanks to those of you who gave up your Saturday morning and helped make the Menomonee River Valley beautiful!



'Get to Know Your Board' – Nick Bobinski

We continue this series by getting to know Nick Bobinski, Director for the Southeast Branch.

Tell us about yourself:

I am a Project Engineer at Kapur & Associates in the transportation department. I live in Menomonee Falls with my wife Stephanie.

Where did you go to school?

I graduated from UW Madison in 2008.

Do you have any hobbies?

I like to work on projects around the house. Biking and playing softball are two of my favorite summer activities.

What is your favorite television show(s)?

Modern Family and Survivor.

What is the highlight of the past year?

I took an awesome vacation to Puerto Vallarta.

What did you want to be when you grew up?

Everything from fire fighter to race car driver to astronaut. But Civil Engineering is where it's at!

What is the best place that you have visited?

I spent a semester in Australia during college. I'd love to go back some day.

A place you would like to visit before you die?

I've always wanted to see Venice.

How did you get involved in ASCE?

I joined the concrete canoe team at UW Madison and had a blast traveling to regional and national competitions.

What do you like best about ASCE?

It's a great way to meet new people and get involved in outreach activities.

What advice do you have for ASCE members?

Your ASCE membership is what you make of it. Join us at our events, and if you have an idea for something new, share it with a board member and help make it happen.

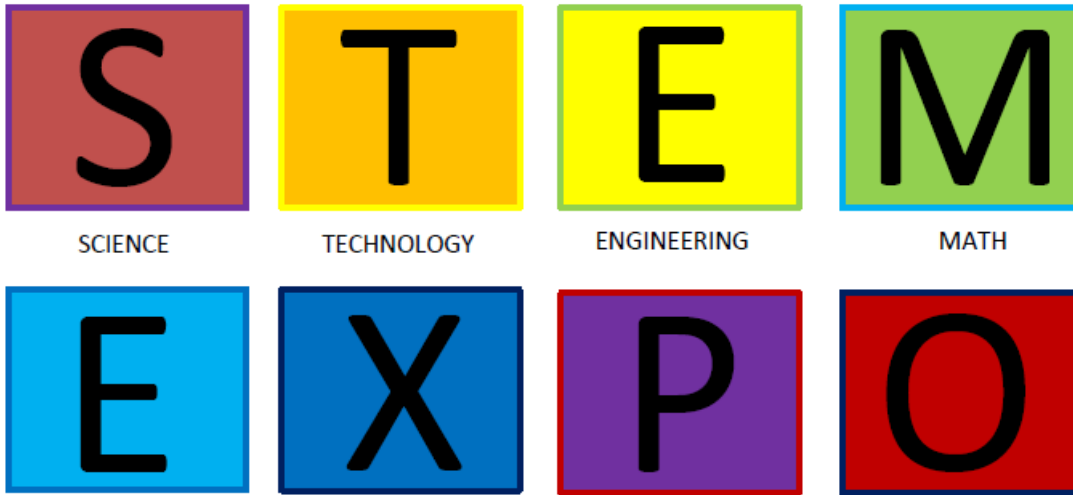
Newsletter Publication

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.



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/>

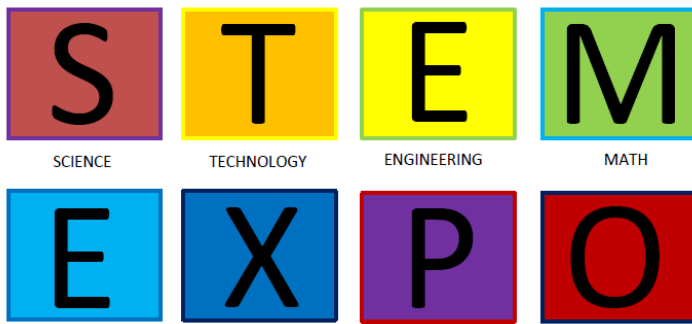


- The first 100 kids to attend will receive a goodie bag of prizes from the sponsors
- Food Trucks will be on site during lunch
- There will also be free raffle prizes throughout the day!

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 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.

Civil or Structural Engineer Position Available

March 27, 2015

Building Envelope Consultants, Ltd, a forensic engineering firm providing services throughout the U.S., is seeking full time Civil or Structural Engineer in the following locations: Waukesha, WI

We are seeking an engineer with hands on failure analysis experience. Must have ability to analyze various residential and commercial building failures to determine causation, and must have the ability to write professional, concise reports. Professional appearance is necessary and P.E. is required.

This full time position involves inspections of various buildings to determine the cause of damages, including damages from improper design, improper construction, storm related damages, misuse, lack of maintenance, and intentional damages. Most travel will be same day with an occasional overnight. Experience with any of the following is preferred: forensic engineering, residential construction, commercial construction, code enforcement, code inspection, roofing experience, facilities maintenance, materials testing, home inspections, expert witness testimony, residential design, storm damage assessments, etc.

Excellent salaries and competitive benefits program including company paid full Medical, STD, LTD, Life and AD&D insurance. Company paid 401K retirement program. PE Licenses, Associated Memberships and PDH credits covered by the company.

Interested parties should email resumes with cover letter to sales@building-envelope.net.

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.



NOW HIRING - MILWAUKEE, WISCONSIN



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.

SEND RESUMES TO /

info@terraengineering.com