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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,

I wanted to take a few moments to make you aware of an upcoming discussion that the Southeast Branch Board of Directors will be having over the course of the next month. This is the time of year where the National ASCE President Elect candidates are identified for the upcoming election to be held in May. As with an election for any position, the candidates look to obtain endorsements from their peers. The ASCE Southeast Branch has been asked for an endorsement by one of the candidates. Before deciding whether or not to grant the request for an endorsement, we would like to give you the opportunity to let us know your thoughts so that we can best represent you in this decision.

This year's candidates are Tom Walther from Eau Claire, Wisconsin and Norma Jean Mattei from New Orleans, Louisiana. Tom Walther is the candidate that is requesting an endorsement from our branch. Tom has obtained the formal endorsement of the Region 3 Board of Governors and is now working towards his goal of obtaining endorsements from the individual Sections and Branches within Region 3. In keeping with our organization's election rules, we have posted background information for both candidates on our website.

I assure you that the Southeast Branch Board of Directors does not take this endorsement lightly and will work to make sure that we are representing you well in whether to grant the endorsement or not. The National ASCE President Elect position serves as an important representation of us at the National level as the elected person will help ASCE advance our 3 strategic initiatives of infrastructure, raise the bar, and sustainability. The Branch Board of Directors will consider the background of each candidate along with any feedback that we receive from the ASCE Southeast Branch membership. We welcome any comments or thoughts that you may have on the 2 candidates. Please email them to me at the email address listed below.

Sincerely,
Jared Wendt, P.E.
Jared.wendt@ch2m.com

Editor's Note: The full biographical statement for Tom Walther can be found by clicking on the icon below or by using the second link included in the newsletter email.



ASCE Wisconsin Spring Technical Conference

Article By: Bridget Schuh Henk

ASCE Wisconsin Section Spring Technical Conference will be held in La Crosse on March 12th at the La Crosse Convention Center. The Spring Technical Conference will be a day event similar to the Annual Meeting. Up to 5 PDHs will be offered.

Conference brochure (PDF):

<https://files.ctctcdn.com/cf189d12301/f1d556d1-45f0-4b26-803f-c3298bb7ec66.pdf>

To register online:

<https://events.r20.constantcontact.com/register/eventReg?oeidk=a07eainjnr1b0415f9>

2015 Scholarship Golf Tournament – SAVE THE DATE

Article By: Paul Koszarek



Save the Date for the American Society of Civil Engineers SE Branch Scholarship Golf Tournament, Presented by Ground Improvement Engineering and the Geopier® Technology Team

Date: Friday, June 12, 2015

Place: Ironwood Golf Course, Sussex, WI

Time: 10:30 a.m. Shotgun start

Please put this date on your calendar and look for our entry blank and sponsorship information coming in the spring.

All Proceeds from the golf tournament will go to support the ASCE Wisconsin Section Southeast Branch Scholarship Fund. Last year, due to your generous support, we were able to add a fourth scholarship, giving another student some much needed help. Please plan on golfing in the outing or becoming a sponsor at one of the many levels available.

Welcome New Members

Article By: Nick Bobinski

ASCE Wisconsin Southeast Branch is pleased to welcome new members Emil Bautista, Matthias Lind, Peter Hepp, Sandra Polakowski, Stephanie, Tetzlaff, Kristian Nygaard, and Brian Mitchell.

There are many great ways to get involved in ASCE in the near future: attend the Spring Technical Conference, help judge the Rube Goldberg competition, join the Younger Member Group for snow tubing, or sign up for the ASCE scholarship golf outing. Stay up to date by visiting our website: www.ascewise.org. We look forward to meeting you!

Rube Goldberg Machine Contest – Judges Needed

Article By: Tony Castle

Once again, the ASCE Southeast Branch will be participating in the WI Regional Rube Goldberg Machine Contest. The contest will be held Friday, March 6th at Waukesha County Technical College in Pewaukee, WI at 9 am. The SE Branch will be sponsoring an award for the Most Rube-like Machine.

This year the students are tasked with building a machine to erase a chalkboard in 20 or more steps. If you are interested in helping to judge the competition, please contact Bridget Henk at Bridget.Henk@graef-usa.com.

STEM Expo Planning Committee Invitation

Article By: Tony Castle

The first meeting for the next STEM Expo will be March 5th with the location still to be determined. Bridget Henk and Tony Castle will lead the group in establishing a date for the next STEM Expo and create an action plan with the committee to get things in motion.

Bridget and Tony are currently seeking planning committee members, so if you would like to be part of the excitement, please contact Bridget (Bridget.Henk@graef-usa.com) or Tony (acastle@emcsinc.com).

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

Scholarship Dinner Wrapup

Article By: Ken Mika

Thank you to everyone that attend the scholarship dinner! Milwaukee writer and historian John Gurda gave an amazing presentation on how Milwaukee's waterways have been used over the years. Congratulations again to those students who were the scholarship winners. Once again the winners selected this year are:

- Nicole Przybyla – UWM
- Andrew Sinko – UWM
- Javier Porras – Marquette
- Zack Regnier – MSOE

Don't forget to save the date for the 2015 Scholarship Golf Tournament which is being held on Friday June 12 at Ironwood Golf Course in Sussex, WI.

Engineers Week

Article By: Brian Gendusio

Engineers Week is here! It is an annual effort at the end of February to help promote engineering careers to students and to celebrate the achievements of engineers. Although the Southeast Branch plans and sponsors such activities throughout the year highlighting civil engineering, Engineers Week is a national effort encouraging all engineers to get out and volunteer.

You can make a difference during Engineers Week or any time of the year by:

- Helping kids and adults discover engineering
 - Visit a classroom or afterschool group
 - Bring students to your workplace or college campus
 - Mentor a group of students
 - Host a DiscoverE Family Day
 - Invite a student to shadow you at work
 - Make a presentation about engineering at a middle- or high-school career day
 - Volunteer as a judge for a science and engineering fair
- Celebrating the engineering profession
 - Organize a Engineers Week lunch or dinner
 - Secure a public proclamation
 - Recognize an individual
- Spreading the word about Engineers Week
 - Tell a friend about it
 - Order your free Engineers Week poster to display at a local school or office
 - Share your efforts on social media



Much more information and a variety of resources to help you get started can be found on the Engineers Week website at <http://www.discovere.org/our-programs/engineers-week>

Central Region Younger Members Conference (CRYMC)

Article By: Ryan Bowers

The YMG held the CRYMC conference in Houston, TX this year at the end of January. Two board members (Kyle Bareither and Brad Seubert) attended the conference to represent our YMG. The conference was a great success, with professional/social interaction between other YMG's in Region 3, in addition to multiple beneficial sessions about interacting with all types of people in your career. One lecture provided a great overview of the differences in generations, and how to use that understanding in the work place to your advantage.

The most exciting part of the conference for us was the awards night. Our YMG was able to secure three awards! Ken Mika (a past-president of the YMG) won the award for Outstanding Young Civil Engineering in the Private Sector, Kyle Bareither was able to secure the award for Outstanding

Central Region Younger Members Conference (CRYMC) (cont'd.)

Younger Member in Community Activities, and we as a group won the award for Outstanding Younger Member Group Community Service Project for the STEM Expo that occurred this past October (<http://www.ascewise.org/stem-expo/>). Again, thank you all for your hard work, and please congratulate these individuals and the group on all their hard work if you get the chance.



Kyle Bareither and Brad Seubert showing off the hardware

AEI Conference 2015 – Advance Registration Ends Soon

Article By: Chris Raebel

Editor's Note: Advance registration ends soon. Don't miss the opportunity to attend a national conference which will be held close to home, in Milwaukee!

The AEI Conference will feature presentations on building integration, as well as the latest technology in the many areas of the building design, construction, and maintenance.

The Architectural Engineering Institute (AEI), in partnership with the Milwaukee School of Engineering (MSOE), is pleased to announce the 6th Biennial Professional Conference for 2015. The theme of the conference is the "Birth and Life of the Integrated Building."

The conference offers an opportunity for members of the building construction industry, including structural, mechanical, and electrical engineers, construction management professional and architects, to learn about and discuss advanced strategies and state-of-the-art practices of building technology. The conference offers a balance between academics and practice and will offer presentations, panel discussions, workshops, technical paper sessions, keynote presentations,

AEI Conference 2015 – Advance Registration Ends Soon (cont'd.)

local tours of technical interest, a student competition and professional practice awards. In addition, MSOE will be hosting a career fair the night before the conference that is open to all Civil and Architectural Engineering and Construction Management employers and students.



Visit www.asce.org/aeiconference2015 for more information and registration.

Visit www.msoe.edu/careernight for information on the career fair.

Continuing Education Opportunities

Calculation and Use of Time of Concentration

Time of concentration is a frequently overlooked parameter in urban drainage design. It is often calculated using one of several common equations that are selected based on user familiarity rather than on the characteristics of the drainage basin. Time of concentration can also be calculated incorrectly when the emphasis is placed on finding the longest flow path, which often is not appropriate when used to determine peak flows. This webinar will cover the Kirby-Hathaway Equation; the Kirpich Equation; the FAA Equation; the SCS Method for computing time of concentration; as well as a solution using the physical concepts of sheet flow, shallow concentrated flow, and open channel flow. The webinar will include examples of the different equations and a discussion on when the use of each equation is appropriate. It will also include a discussion on requirements for time of concentration calculations in stormwater design manuals.

Register at: <http://mylearning.asce.org/diweb/catalog/item/id/260534>

Advanced Topics in the Seismic Design of Nonbuilding Structures and Nonstructural Components to ASCE 7-10

This webinar will provide you an overview of determining the basic seismic parameters for nonbuilding structures and nonstructural components and also understand determination of seismic forces on common nonstructural components attached to nonbuilding structures. Nonbuilding structures and their associated mechanical and electrical nonstructural components are used extensively in industrial facilities all over the world. Many of these industrial facilities are located in areas of high seismicity. Chapter 15 of ASCE 7-10 contains extensive requirements for the seismic design of nonbuilding structures. Additionally, nonbuilding structures in industrial facilities often house mechanical and electrical nonstructural components. Chapter 13 of ASCE 7-10 contains extensive requirements for the seismic design and anchorage of nonstructural components. Knowledge of the requirements and application of ASCE 7-10's Chapter 15 and Chapter 13 is essential for any structural engineer involved in the design of industrial structures and facilities.

Register at: <http://mylearning.asce.org/diweb/catalog/item/id/260442>

'Get to Know Your Board' – Ryan English

We continue this series by getting to know Ryan English, Southeast Branch Treasurer.

Tell us about yourself: As a geotechnical engineer I work for Terra Engineering and Construction. I live in Franklin, WI with my wife (Dominique), son (Connor) and Springer Spaniel (Lienee).

Where did you go to school? I received my bachelor and master degrees from UW-Milwaukee.

Do you have any hobbies? Golf, fishing, hunting, skiing just to name a few.

What is your favorite television show(s)? How I Met Your Mother

What is the highlight of the past year? I passed the PE Exam.

What did you want to be when you grew up? As a kid going to Six Flags Great America I always thought it would have been fun to design, construct and of course test roller coasters. I used roller coaster tycoon as my design platform.

What is the best place that you have visited? Pakashkan Lake, Ontario which is the place I have gone fishing since 12 years old.

A place you would like to visit before you die? I have always wanted to take a trip to Alaska. I asked to go there for my honeymoon, but that got shot down real fast.

How did you get involved in ASCE? Joined the student chapter in college and got involved with the steel bridge team.

What do you like best about ASCE? Networking and meeting people within the same field. Some of my good friends today are who I met in college at ASCE functions/meetings. Also you can choose your level of involvement depending on what you want to get out of ASCE.

What advice do you have for ASCE members? Get involved and volunteer to make a difference whether it is supporting an event for young kids, college students, or fellow local 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.

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