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2014-2015

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www.ascewise.org

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 am pleased to announce that we have filled a couple of positions on our Southeast Branch Board of Directors and we are set for the remainder of 2015! Mike Arnold from AECOM will be moving into the President-Elect role. Mike has been serving on the Board as a Director-at-Large overseeing our Membership committee for the past couple of years and prior to that he was a member of our membership committee. He has done a great job of helping to put systems in place to better track our membership numbers and membership trends. Mike has also served on the 2012 ASCE Wisconsin Annual Meeting Planning Committee, the 2014 ASCE Wisconsin Spring Technical Conference, and on the ASCE Southeast Younger Members Board of Directors. Mike has been involved in many other ways as well giving him a very good understanding of how our organization operates. I look forward to working with Mike in his new role!

With Mike moving to the President-Elect, this left a Director-At-Large position open. Nick Bobinski from Kapur & Associates has agreed to step in for the remainder of 2015. Nick has been a member of the membership committee under Mike, so this move seems like a good fit. Nick has been involved at the YMG level as a member of the STEM Expo planning committee. Nick is a committed volunteer that attends many of our events and I look forward to working with him on the Branch level!

Getting involved is a great way to meet new people, expand your network, and give back to the profession in some way. We have many opportunities available to get involved. These range from joining a committee to being a volunteer for an event. We have a good group of people working together to keep our programs and events moving forward, but we are always looking for more volunteers or committee members. If you would like more information on ways to get involved, please ask myself or one of our other board members.

Sincerely,

Jared Wendt, P.E.

Jared.wendt@ch2m.com

Scholarship Update

Article By: Ken Mika

This year the Branch received a number of great scholarship applications from the our local universities. The winners selected this year are:

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

The winners will be recognized at the scholarship dinner at UWM on Thursday January 29. Milwaukee writer and historian John Gurda will be presenting "Milwaukee: A Region Built on Water." If you would like to attend the dinner and have not registered yet, please contact Bridget Henk at Bridget.henk@graef-usa.com.

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.

The planning committee is looking for speakers. If you are interested in speaking at the conference please send Mike Binsfeld (mikebinsfeld@JFBRENNAN.COM) a title and abstract by January 30.

The location of the La Crosse Center is as follows:
300 Harborview Plaza
La Crosse, WI 54601

2015 Scholarship Golf Tournament – SAVE THE DATE

Article By: Paul Koszarek



Sponsored by your Geopier® Technology team.
 

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.

STEM Expo

Article By: Bridget Schuh Henk

The 2015 STEM Expo Planning has begun! The 2015 event will be held in October 2015 at MSOE'S Kern Center. Bridget Henk, GRAEF and Tony Castle, EMCS will be chairing the event. Planning committee meetings will begin in late February or early March. 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

Engineers Week

Article By: Brian Genduso

Engineers Week is just around the corner. 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>

Tom Smith takes the helm as ASCE's new executive director

Article By: ASCE National website

On January 1st, Thomas W. Smith III, ENV SP, CAE, M.ASCE, became executive director of the American Society of Civil Engineers. A dedicated ASCE member for more than 25 years, he has been the Society's deputy executive director since 2010 and general counsel since 1997. Working closely with ASCE's geographic and technical organizations and affiliates worldwide, Tom has provided leadership, direction and management oversight across a wide spectrum of programs, operations and strategic initiatives. Tom holds a master's degree in structural engineering, a B.S. in civil engineering from the University of Virginia and a law degree from Washington & Lee University. Before joining ASCE, Tom practiced law with a focus on land use issues. Tom is also a Certified Association Executive (CAE) and an Envision Sustainability Professional (ENV SP). He has been active in his community and serves on the Fairfax County Board of Zoning Appeals. He previously chaired bar association committees providing legal services to local homeless shelters as well as coordinating national moot court competitions.



See more at: <http://blogs.asce.org/new-executive-director-thomas-smith-takes-the-reins-at-asce/>

Future City Update

Article By: Tony Castle

On Saturday, January 24th, several ASCE YMG and SE Branch members volunteered as special award judges and presentation judges for the Future City Regional Competition at MSOE in Milwaukee. The Future City competition is an event sponsored by STEM Forward in which middle school students apply engineering and technology concepts to design and build a model of a futuristic city. Students, teachers, and engineer mentors devote four months of preparation for the Regional Competition. ASCE volunteers awarded two awards on Saturday for "Exemplary Model" and for "Best use of Recreational Space." Thank you to all those who donated their Saturday for this worthwhile event and thank you to all those who took the time to judge Virtual Cities, Essays, and City Narratives!



Students presenting their models to ASCE judges





Exemplary Model award winners: Left, “Carlsbad” from Nativity Jesuit; Right, “Nui Lani” from St. Alphonsus



Esteemed judges: Front Row – Patrick Flagherty, Bridget Henk, Tony Castle, Nick Bobinski, Sara Dashti
 Back Row – Brett Kash, Kyle Bareither, Ben DeBaker, Jared Wendt, Ryan English

Welcome New Members

Article By: Nick Bobinski

ASCE Wisconsin Southeast Branch is pleased to welcome new members Charles Gagne, Craig Liberto, David Kaftan, and Edward Hinsla.

There are many great ways to get involved in ASCE in the near future: attend the Scholarship Dinner, help judge the Future City competition at MSOE, or join the Younger Member Group at an Admirals hockey game. Stay up to date by visiting our website: www.ascewise.org . We look forward to meeting you!

STEM Forward Awards given to two ASCE members

Note: A flyer for the STEM Forward Banquet mentioned below can be found at the end of the newsletter. Please consider attending to support the award winners.

Article By: Jerry DeMers

Congratulations to John Goetter and Bridget Henk as Engineer and Young Engineer of the Year!

Two civil engineers that have been active ASCE members have been selected by STEM Forward as Engineer of the Year and Young Engineer of the Year. John Goetter and Bridget Henk will be recognized at the STEM Forward 62nd Annual Engineers Week Banquet on February 12th at the Italian Conference Center. Both John and Bridget were nominated by the ASCE Wisconsin Section Southeast Branch.

After 40 years at GRAEF and 44 years of professional experience, John retired in 2014. John has worked tirelessly dedicating time and energy devoted to strengthening the field of engineering and the implications of engineering in our world. John was the Chairperson in 2003 and in 2007 for the ASCE Report Card on Wisconsin's Infrastructure. His efforts made it one of the best in the country. John isn't only wise on the technical side. John has contributed to the field of engineering with his deep, caring people skills. John's abilities to deal with subordinates, peers and supervisors in a manner showing candor and compassion are unparalleled in a technical profession.

While at GRAEF, John spent many years overseeing the Facilities group in the Milwaukee office. While there, John oversaw the technical direction and management of the firm's structural projects. His structural project experience includes the design of new buildings, parking structures, and bridges. In addition, he has significant experience in the inspection and rehabilitation of existing structures. Clients have included government, commercial, industrial, and institutional entities. Several projects completed under John's direction have received engineering design awards including the Midwest Airlines Center, the General Mitchell International Airport Parking Structure Addition and Concourse D Expansion, the Santa Monica Boulevard Bridge, Milwaukee County Jail, UWM School of Architecture, and the Marcus Center for the Performing Arts.

Bridget is currently serving the American Society of Civil Engineers as the Chair of the Younger Member Group STEM Expo, Past-President of the Southeast Branch, and Chair of the Wisconsin Section Committee on Sustainability. She is also a member of Wisconsin Commercial Real Estate Women, Wisconsin Green Building Alliance, and Women in Science and Engineering. Ms. Henk was the 2012 ASCE honoree for the National Engineers Week Foundation's New Faces of Engineering and was featured in an ad in USA Today during Engineers Week. She has been the recipient of the 2012 Outstanding Younger Member in the Private Sector from the ASCE Central Region Younger Member Council, 2011 Citizen Engineer Award from the ASCE Committee on Volunteer Community Service, 2011 ASCE Wisconsin Section Young Engineer of the Year, and the 2010 Outstanding Younger Member in Community Activities from the ASCE Central Region Younger Member Council.

Bridget is a professional engineer licensed in Wisconsin and Illinois, a Leadership in Energy and Environmental Design Accredited Professional (LEED AP) in Building Design and Construction, and an Envision Sustainability Professional (ENV SP). She currently works at GRAEF where she is a Civil Engineer in the Milwaukee Infrastructure group. Bridget is an instrumental part of the stormwater and commercial development teams, leading the way to more sustainable design and construction.

See the announcement later in the newsletter for details about the banquet.

Central Region Younger Members Conference

Article By: Kyle Bareither

The Central Region Young Members Conference (CRYMC) is at the end of the month in Houston and two the board members (Kyle Bareither and Brad Seubert) will be attending in representation of the Wisconsin Section, Southeast Branch, Younger Member Group. This conference provides a great opportunity for the group to get insight as to how to make our YMG more efficient and how to better interact with our members and student chapters. We hope to bring some great ideas back with us to make our YMG even better. More information on the conference can be found on the ASCE's national page (www.asce.org), by using the keyword "CRYMC" in the search area.

YMG Social Events

Article By: Josh Mitchell

We had our 3rd annual Santa Hat Bar Crawl in Fox Point. The bars in order were Fat Daddy's Tavern, Steny's Tavern and Grill, Caroline's, Lucky Joe's Tiki Room, and The Irish Pub. We had a good mix of YMGer's and students from Marquette and MSOE who had just finished their exams for the fall semester. A great time was had by all, and everyone made it home safely.

In February we are planning a ski/tubing event and an admirals hockey game. More details to follow.

2015 AEI Professional Conference to be Held at MSOE

Article By: Chris Raebel



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, 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

Ethical Behavior: The Key to Earning Trust

This webinar offers practical ideas and information to help you navigate those often choppy and sometimes turbulent ethical waters so that you can earn trust. Busy and sometimes harried engineers and other technical professionals frequently encounter varied ethical situations. These challenges may involve issues such as: deciding who is to blame, determining if contractual requirements have been met, utilization of sensitive information, claims of expertise, billing of time, negative impact on the environment, giving and accepting gifts, and treatment of employees. Some ethical issues are readily resolved and others require careful analysis. This 90-minute webinar focuses on the latter by offering practical ideas and information to help you navigate those often choppy and sometimes turbulent ethical waters. Webinar participants receive a detailed handout on which the webinar will draw. The handout includes references to articles, books, e-newsletters, websites, and other self-study materials such as 10 ethics case studies.

Register at: <http://mylearning.asce.org/diweb/catalog/item/eid/201200762>

Flexible and Rigid Pavement Design

This webinar provides an introduction to the design of flexible and rigid pavements. The American Association of State Highway and Transportation Officials (AASHTO) 1993 pavement design procedure is covered along with an introduction to the new DarwinME mechanistic-empirical method. The primary design, specification and construction factors that contribute to the long-term functional and structural performance of pavements ranging from parking lots to municipal roadways, airports and major highways are discussed. Through a series of case studies, positive and negative design features and construction conditions are presented to give the participant a good understanding of what we can do better to ensure the cost effective use of transportation investments.

Register at: <http://mylearning.asce.org/diweb/catalog/item/eid/201200857>

'Get to Know Your Board' – Brad Seubert

We continue this series by getting to know Brad Seubert, YMG Director for the Southeast Branch Board.

Tell us about yourself: As a design engineer at Harwood Engineering most of my work is focused site development and stormwater management. I grew up in Central Wisconsin and moved to the Milwaukee area after college.

Where did you go to school? I received my bachelors from Michigan Technological University.

Do you have any hobbies? I purchased a "fixer up house" about a year and a half ago that has quickly become my hobby. I enjoying woodworking and home improvement projects and am currently gutting and remodeling my kitchen. I also enjoy the outdoors, hunting, fishing, and biking.

What is your favorite television show(s)? Big Bang Theory

What is the highlight of the past year? I completed the Rockman challenge in Watertown. It's a sort of triathlon, but has a kayak portion instead of the swim and an obstacle course at the end. It was my first time doing anything like that and I am looking forward to doing it again this year.

'Get to Know Your Board' cont'd.

What did you want to be when you grew up? A cop, my dad was one. With everything going on today I'm glad I choose engineering instead.

What is the best place that you have visited? Rome, I loved all the history

A place you would like to visit before you die? Alaska

How did you get involved in ASCE? I worked with Bridget...if you know Bridget at all you will understand.

What do you like best about ASCE? I really enjoy the outreach events that our YMG does. Tony Castle and I did a Cub Scout event a few months ago where we went in and did straw bridges with the kids. It was a blast watching them build the bridges and see who could come up with the strongest design.

What advice do you have for ASCE members? Get involved as much as possible, a small time commitment will provide all kinds of great benefits to not only yourself but the engineering community.

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.



62nd Annual Engineers Week Banquet

February 12, 2015 • Italian Conference Center

Please join us as we celebrate an evening of STEM at the 62nd Annual Engineers Week Banquet presented by STEM Forward. Help us honor some of the best and brightest STEM leaders in the area:



Engineer of the Year
John Goetter, P.E.
GRAEF



Young Engineer of the Year
Bridget Henk, P.E.
ASCE WI SE Branch, GRAEF



Spirit of STEM Award
Joy Global, Inc

Celebrated since 1953, the 2015 Engineers Week Banquet will feature an interactive Future City student exhibit, silent auction, social hour and more!



Special **STEMertainment** by **ComedySportz Milwaukee**

Please join us for what promises to be an exciting evening!

Register at <http://engineersweekbanquet15.eventbrite.com>

Location: Italian Conference Center • 631 East Chicago Street • Milwaukee

Schedule:

5:30 p.m.	Cocktail Hour, Future City Competition Exhibit
5:45 p.m.	Silent Auction
6:30 p.m.	Dinner
7:00 p.m.	Awards Program

Sponsorship:	Platinum Table Sponsor:	\$1,200	Event Sponsor:	\$5,000
	Gold Table Sponsor:	\$750	Reception Sponsor:	\$2,500
	Individual:	\$75	Spirit of STEM Sponsor:	\$2,500

**Tables seat eight guests*

Sponsorship Includes:

- One table seating eight guests
 - Prominent table placement (Event, Reception, Spirit of STEM & Platinum Sponsors)
- Top recognition throughout as the 2015 Presenting Sponsor (Event Sponsor Only)
- Introduce Spirit of STEM Award (Spirit of STEM Award Sponsor Only)
- Signage at the event (Event, Reception & Spirit of STEM Sponsors)
- Company listing in printed banquet program per sponsorship level
- Prominent logo placement for all sponsors:
 - In looping dinner PowerPoint presentation
 - In STEM Forward's monthly e-Newsletter
 - On STEM Forward website
 - On event registration site

Registration ends February 09, 2015

Contact Kiley Kurz at kkurz@stemforward.org or 414.810.7836