

**BOARD OF DIRECTORS  
2018-2019**President**Kyle Bareither, P.E.**  
414-837-3574President-Elect**Nick Bobinski, P.E.**  
414-751-7234Past President**Larry Buechel, P.E.**  
414-788-0536Secretary**Wade Carter, P.E.**  
414-777-4235Treasurer**Aaron Schramm, P.E.**  
414-347-1607Directors**Jake Brunoehler, P.E.**  
262-794-2306**Tony Castle, P.E.**

414-810-8264

**Dave Jaromin, P.E.**

414-410-6735

**Brad Seubert, P.E.**

414-719-2245

YMG Director**Sarah Pasquesi, P.E.**

414-944-6147

## Website:

[www.ascewise.org](http://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](http://www.ASCE.org)

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

**PRESIDENT'S MESSAGE**

Hello Southeast Wisconsin Engineers,

There are a lot of great things going on in the southeast area this fall, so please make sure to check out the great articles below. As the holiday season approaches, the weather is abruptly changing. We all know that the first few snowfalls result in the most accidents on the road. Please remember to check and make sure your tires are in good condition, your wiper fluid is full, and that you have a [winter driving kit](#) in case anything happens.

That being said, I wanted to use this opportunity to ask for some help from the membership. We recently have had some difficulty identifying speakers for our monthly meetings. In an effort to provide new, innovative topics from professionals in the area, we are developing a speaker list. Please send information directly to myself or one of the board members if you have interest, or know of anyone that has interest. As we move forward we will add a location on the website to provide this information and view the current list so that we can share our resources and share our experience and knowledge.

There will also be a lot of volunteer opportunities coming up, such as the Future Cities Competition, STEM Day, and GEMS. Also, a big shout out to the STEM Expo Chairs and Volunteers! With our biggest turn out yet this year, we are all so thankful for their hard work and dedication. If you are not familiar with this event, please see the article below and reach out if it peaks your interest.



More information on the Branch and our events can be found on our website at <http://www.ascewise.org/>.

Sincerely,

Kyle Bareither, P.E., M.ASCE  
Wisconsin Section, Southeast Branch, President  
[Kyle.bareither@obg.com](mailto:Kyle.bareither@obg.com)

### [October Ethics Meeting Recap](#)

Article By: Nick Bobinski

Members enjoyed food and fellowship on October 24<sup>th</sup> at the Rock Bottom Restaurant and Brewery in Milwaukee. Marquette University's Mark Federle led an interactive discussion of ethical dilemmas in the Civil Engineering industry. ASCE's Code of Ethics is a valuable resource for Civil Engineers: <https://www.asce.org/code-of-ethics/>

Thank you, Mark for leading this valuable discussion! One ethics PDH was issued to those in attendance.

---

### [November Meeting Recap](#)

Article By: Larry Buechel

The Southeast Branch held its most recent member meeting on November 13<sup>th</sup>. Thirty-six people attended the lunch meeting, which was held at the Milwaukee Metropolitan Sewerage District (MMSD) Headquarters in downtown Milwaukee. Kevin Lyons, P.E., MMSD's Engineering Design Manager, gave a presentation on the District's efforts to investigate and mitigate post-construction settlement of Flow Control Structures and In-Line Storage System Force Mains at the Jones Island Water Reclamation Facility. The presentation demonstrated the exceptional problem-solving skills engineers are so well known for.

Thank you to Mr. Lyons for presenting this very interesting topic, and to MMSD for hosting the meeting. Lastly, thank you to those of you who took time out of your busy schedules to attend the meeting. The Branch will issue one PDH credit to those who attended the meeting.

---

### [Do You Know an ASCE Member Worthy of Nomination for STEM Forward's Annual Engineer of the Year Award?...](#)

Article By: Larry Buechel

Each year, the Milwaukee Area's STEM Forward organization recognizes engineering professionals in our area through their Engineer of the Year and Young Engineer of the Year (under age 40) Awards. The recipients of these awards are honored during STEM Forward's Engineers Week Banquet, held in February. If you know of a friend or colleague that you feel is worthy of such recognition, please see the following link for details on the award and the nomination process.

<http://www.stemforward.org/engineers-week-banquet-2019/>

Hurry... nominations are due December 14<sup>th</sup>!

### Save The Date...

Article By: Larry Buechel

The Southeast Branch December Member Meeting has been tentatively scheduled for the week of December 10<sup>th</sup>. This will be a joint lunch meeting with the Milwaukee Area's STEM Forward organization. Additional details on the event will be released in the coming days.



---

### ASCE Student Scholarship Deadline is This Friday!

Article By: Brad Seubert

The southeast branch will be awarding four \$3,000 scholarships for college students in the Milwaukee area this year. Applications are due November 16<sup>th</sup> and will be awarded in January.

Students from Marquette University, Milwaukee School of Engineering, and the University of Wisconsin Milwaukee are encouraged to apply. Application forms and more information can be found at <http://www.ascewise.org/scholarships/>

---

### Renew your ASCE membership

Article By: Kyle Bareither

Don't let your membership lapse! ASCE membership renewal is due by the end of the year. These dues help fund all of our activities for the southeast branch. The number of members that renew also determines the allotment provided to us from the Wisconsin Section. Please remember to renew, so that we can keep providing our members with great opportunities such as our monthly meetings, our many outreach programs, and support for our student chapters.



Also, if you renew by December 14<sup>th</sup>, 2018, you will be put in a drawing for a chance to win a \$1,000 Amazon.com Gift Card!

Renew at:  
<https://secure.asce.org/ASCEWebsite/SECURE/SignIn/SignIn.aspx?ASCEUrl=/ASCEWebsite/Secure/MembershipRenewal/MembershipRenewal.aspx>

Prefer to renew by phone? ASCE's Customer Service is available at **(800) 548-ASCE (2723)** between 9:00 a.m. – 6:00 p.m., E.T., Monday to Friday.

## Future City Volunteer Judges Needed

Article By: Tony Castle

The Milwaukee area Future Cities competition hosted by STEM Forward is coming up fast! This year's competition will once again be hosted at the MSOE Kern Center on Saturday, January 26<sup>th</sup>. Judges will be needed both before and during the competition. Some of the opportunities to help judge this year's competition are listed below. Be on the lookout for more opportunities in the coming months!



### **SimCity Judges**

The first part of the competition is ready to be judged - students' SimCity virtual city. This deliverable is a PowerPoint presentation showing the growth of their city as they focus on accomplishing two specific goals. The presentations are pdf files that will be scored on a computer using a rubric.

A total of 15-20 judges are needed for each session, which runs from 4:30 to 7:30 p.m. Training, pizza, soda and treats will be provided at the following sessions:

Wednesday, November 28<sup>th</sup> at WI Lutheran High School  
330 Glenview Avenue, Milwaukee

Tuesday, December 4<sup>th</sup> at WI Lutheran High School  
330 Glenview Avenue, Milwaukee

Thursday, December 6<sup>th</sup> at Waukesha STEM Academy  
130 Walton Avenue, Waukesha

Thursday, December 13<sup>th</sup> at Waukesha STEM Academy  
130 Walton Avenue, Waukesha

To sign up or if you have any questions, email Joe Luchessi at [joe@buttersfetting.com](mailto:joe@buttersfetting.com). Times can be flexible, if needed, but we would appreciate a two-hour commitment.

### **Essay Judges**

Each year, middle school teams participating in Future City must submit an essay on a given topic. This year's challenge is Powering Our Future. Students must design a resilient power grid for their city that can withstand and quickly recover from a natural disaster and explain how it works. The essays are about 1,500 words. Judging is done online from Dec. 21<sup>st</sup> to Jan. 9<sup>th</sup> at your convenience - so you can even judge from home!

To register as an essay judge, go to <http://futurecity.org/register>. Select Regional Competition Judge, then complete the basic information and select Essay Judge as your involvement role. For questions, contact Heather Dummer Combs at [hcombs@stemforward.org](mailto:hcombs@stemforward.org).

## 2018 STEM Expo

Article By: Pat Flaherty



The ASCE WISE Branch YMG once again hosted their annual STEM Expo event at the MSOE Kern Center, and this year the event had the highest overall turnout to date totaling nearly **700 people!!!** This included 90 Volunteers that dedicated their Saturday to help staff the event and **352** ecstatic kids who spent the day learning about all things STEM! This year's event featured almost 50 total STEM demonstrations and activities designed to interactively engage kids of all ages; and many of the activities were new to the 2018 event and/or provided by other contributing organizations outside of ASCE. Event attendees came from all over southeastern Wisconsin and even northern Illinois and included kids from pre-kindergarten all the way to seniors in high school. Smiling, inspired faces were abundant throughout the course of the day!

We on the YMG have immense gratitude for all of the dedicated 2018 STEM Expo Planning Committee members who spent 6 months diligently organizing every aspect of the event, as well as the amazing group of volunteers who showed up to help staff the event on the day-of. Additionally, the success of this year's event was built upon the extremely generous financial support of 18 different companies all providing valuable STEM-based services and expertise throughout southeastern Wisconsin. We are constantly told by attendees how much they love this event, and we cannot stress enough that without the financial and volunteer support that sticks with this event year after year, the event would never be a reality. Thanks again to everyone who helped make the 2018 STEM Expo a resounding success!!



## YMG News

Article By: Josh Mitchell

### **Kickoff Meeting**

The YMG held their annual kickoff meeting on October 18<sup>th</sup> at TRIO Milwaukee for an evening of socializing over some intense ping pong matches and Jumbo Jenga. A great group of people showed up including new faces from local firms and universities. Thanks to everyone that came out and made it a fun evening!

### **Silver Spring Neighborhood Center visit**

ASCE members Aaron Schramm and Jake Brunoehler brought the egg cantilever challenge to the Silver Spring Neighborhood Center (SSNC) on October 30<sup>th</sup>. They were able to teach the kids in the class about different types of structures and then provide some hands on building time. The winning team was able support 8 golf balls!

The SSNC is a community center serving the north side of Milwaukee with a mission to "build a safer, stronger neighborhood and community" on the northwest side of the city. The center has programming and services for all age groups. YMG visits the center every other month and is always looking for volunteers. If you are interested in helping out please contact Jordan Adler at [jadler3@uwalumni.com](mailto:jadler3@uwalumni.com).

### **Santa Hat Bar Crawl**

The next YMG social event will be the Santa Hat bar crawl on Friday, December 8<sup>th</sup>, 2018 on Brady Street. Keep an eye out for a flyer in the coming weeks!!

---

## 5 FREE PDH hours from ASCE

Don't forget your annual ASCE membership includes five free professional development hours (PDH). Those PDHs can be redeemed using the On-demand Webinar offering available on the ASCE website, using the link below:



<https://secure.asce.org/ASCEWebsite/Benefits/Membership/FreeOnDemandWebinars.aspx>

**Please note the 2018 PDHs must be utilized no later than December 31<sup>st</sup>.**

## [Updates from the Wisconsin Section...](#)

### **Infrastructure Report Card**

The ASCE Wisconsin Section board is exploring the opportunity to develop an updated Infrastructure Report Card for Wisconsin. Report cards for Wisconsin were previously published in 2003 and 2007. The board is announcing this project with hope that our members will be motivated to volunteer their expertise and time to work on the project. In addition, we need members to reach out to their project partners, who many not be ASCE members, for assistance.

ASCE National publishes a national report card every four years. Last year the 2017 Infrastructure Report Card was published with an overall grade of D+. Data in that report has been cited in national network news as well as in testimony before congressional committees. It has evolved over the years and gained substantial credibility.

The national report card evaluates and grades 16 different categories. The state report card does not need to address all 16; we can choose those areas that have the biggest impact on the state's population and/or economy. Currently the ASCE National Report Card data for Wisconsin (<https://www.infrastructurereportcard.org/state-item/wisconsin/>) contains estimations for conditions in our state. A new state report card is needed to provide confirmation and document the state's current conditions and needs.

It is important to recognize that the report card is not a reflection on public agency, state, county, city, or town, performance. Rather, it is a public awareness piece to help people recognize the state of the infrastructure after years of deferred maintenance and lack of construction to meet new and growing capacity demands. Some lack of action is raising risks for public health safety and welfare as well as raising lifecycle costs for infrastructure.

We are looking for experienced engineers in all areas of infrastructure to work on an infrastructure area subcommittee. We believe it will benefit the final product if the subcommittees are composed of engineers from public practice, private practice, and academia. These three areas bring a complete perspective of the issues under study.

The section board has voted to support the efforts of a new ASCE Infrastructure Report Card for Wisconsin. The ASCE National office will also be providing guidance and assistance to the project team. If you feel motivated to help us with this important project, or you would just like to receive more information, please contact Jennifer Schaff ([Jennifer.Schaff@countymaterials.com](mailto:Jennifer.Schaff@countymaterials.com)) or Ken Mika ([KMika@Geosyntec.com](mailto:KMika@Geosyntec.com)), who have agreed to co-chair the committee. We would like to establish vice-chairs, and volunteers for technical, report card review, and public relations committees. Here is a list of technical categories that will need volunteers to support; aviation, bridges, dams, drinking water, wastewater, roads, energy, transit, inland waterways, levees, ports, rails, hazardous waste, solid waste, public parks and recreation, schools, coastal areas, and storm water.

### [Updates from the Wisconsin Section... \(Continued\)](#)

#### **Leadership Conference**

The 2019 ASCE Multi-Region Leadership Conference for Regions 3, 6, & 7 will be held February 8-9, 2019 in Dallas, TX. The conference includes the Workshop for Section and Branch Leaders, the Central Region Younger Member Council, and the Workshop for Student Chapter Leaders.

<https://www.asce.org/event/2019/regions-3,-6-and-7-multi-region-leadership-conference/>

#### **2019 Spring Technical Conference**

The Wisconsin Section's 2019 Spring Technical Conference is scheduled for March 14, 2019 in Eau Claire, WI.

---

#### [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:

**Kyle J Bareither, P.E.** – 414-837-3574 – [Kyle.Bareither@obg.com](mailto:Kyle.Bareither@obg.com)

or by visiting the employment page on our website (<http://www.ascewise.org/employment/>)

\*Deadline for next issue is the first of the month.



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

## Village of Brookfield, IL

### Director of Public Works

**Brookfield, IL (pop. 19,500)** The Village of Brookfield is seeking progressive, energetic, highly collaborative candidates for the Director of Public Works position. Ideal candidates will have well rounded management experience with a focus on Public Works and Capital Improvement Planning. The new Director will have several unique opportunities in this position: to facilitate several major construction projects throughout the Village that were recently approved by the Village Board, to conduct an organizational analysis of the department and make recommendations to the Village Manager, and to continue to forge a dedicated group of employees into an empowered team. The Village of Brookfield is a vibrant, diverse community located 13 miles west of downtown Chicago that offers convenient transportation with numerous community amenities including respected schools, an excellent library, three Metra stations and a parks and recreation system. This non-home rule municipality is home to the Brookfield Zoo, owned by the Cook County Forest Preserve District and operated by the Chicago Zoological Society. Brookfield, once a rolling field of daisies and wild asparagus, has grown into a progressive, friendly community known for its mature trees, well maintained residences and charming downtown. This quiet atmosphere takes you away from the bustling business world of nearby suburban communities and the City of Chicago yet is only minutes away from downtown Chicago by rail. Residents consider Brookfield the best kept secret in the western suburbs of Chicago.

The successful candidate will have the following qualifications and experiences:

- A strong commitment to creative problem-solving through teamwork and professionalism, outstanding supervisory and administrative skills, fiscal acumen and highly developed interpersonal and oral/written communication skills.
- A demonstrated record of team-oriented style leadership with a comprehensive knowledge of street maintenance, water distribution, parks planning and maintenance, fleet maintenance and forestry and the ability to facilitate the development of a strong solutions based, customer service focused department.
- An ability to facilitate a mindset change in employees to empower them to form a teamwork approach to departmental goals and responsibilities and to encourage them to offer creative ideas for advancing the mission of the department and problem solving.
- A bachelor's degree in construction management, engineering, public administration, public policy, business administration or a closely related field from an accredited college or university and/or extensive experience in Public Works is desired. Five to 7 years of progressively responsible public sector public works management, or public administrative or managerial experience, or any equivalent combination of education and experience, is desired. Experience in a larger community at the assistant department head level will also be considered. A Professional Engineer (P.E.) designation is desired, but not required.

A starting salary of \$115,000± DOQ with a great benefits package is offered. Residency is not required. Apply online with resume, cover letter and contact information for three professional references to the attention of Sarah McKee, Vice-President, GovHRUSA, 630 Dundee Road #130, Northbrook, IL 60062. Tel: (847) 380-3240. Resumes will be reviewed continuously until the position is filled.

[Click here to Apply!](http://www.GovHRjobs.com) ([www.GovHRjobs.com](http://www.GovHRjobs.com))