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2017-2018

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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](http://WWW.ASCE.ORG)

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

## PRESIDENT'S MESSAGE

Happy Engineer's Week!!

The 2018 Engineer's Week is being held February 18 – 24. The week is intended to raise awareness of and appreciation for engineers' contributions to our society. It also serves to promote interest in engineering and technology careers among young students with the hope of promoting pre-college proficiency in science and math.

In terms of contributions to society, civil engineering is different than most other engineering disciplines in that almost everything we work on directly affects the public in some way. As such, I believe we truly make great professional contributions every day, and they directly affect the public good. We should all be very proud of that. But, perhaps more important are the contributions we make to society outside of the office. Our organization does great things in the community every year. From the Younger Member Group's STEM Expo, to our annual college scholarship awards, to the River Keepers volunteer event, to the STEM outreach at local community children's organizations, our members make a difference in our community outside of work too. Here are a couple examples of our members being recognized for their contributions in just the last two months.

In January, Kyle Bareither was recognized by ASCE for his outstanding service to local community organizations. Kyle's dedication to these organizations important to him is something we all should strive to duplicate in our own lives. See the article inside this newsletters for more details on Kyle's recognition.

Ken Mika was awarded the 2018 Young Engineer of the Year Award from STEM Forward at their annual Engineer's Week Banquet on February 15. Ken received the award as much for his community service as his contributions to the engineering profession. Ken recognizes the importance to giving back to the community at the office and at home. Additional details on Ken's award can be found inside the newsletter.

Lastly, I can't let the opportunity go by to plug the ASCE Wisconsin Section's Spring Technical Conference one more time. The Southeast Branch is hosting this year's event, which is planned for March 16<sup>th</sup> at the Country Springs Hotel and Conference Center in Pewaukee. You should have received an announcement via email regarding the event by now. Details on the event are also provided inside this newsletter. This event benefits our professional community by providing a great local chance to accumulate PDHs that are necessary to maintain your registration. If you can, mention the event to your co-workers, even if they aren't ASCE members. They can benefit too from this convenient and affordable opportunity to earn PDH credits.

In closing, during this Engineer's Week, pat yourself on the back for pursuing an engineering career and see if you can find an opportunity to make a meaningful difference in someone's life both at work and in your community.

Thanks, and I'll talk to you next month...

Larry Buechel

## ASCE Wisconsin Section Spring Technical Conference

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Article By: Kyle Bareither & Tony Castle

Please join the ASCE WI Southeast Branch as we host the 2018 Spring Technical Conference. The conference will be held at the Country Springs Hotel in Pewaukee on Friday, March 16th, 2018. Conference registration will begin at 7:00 AM, and the conference will begin at 8:00 AM.



Conference Overview and Schedule:

<http://events.r20.constantcontact.com/register/event?oeidk=a07ef0momsba6693af9&llr=v795eenab>

Registration:

<https://events.r20.constantcontact.com/register/eventReg?oeidk=a07ef0momsba6693af9>

The Plenary Session will be led by Craig Thompson, Executive Director of the Transportation Development Association of Wisconsin speaking on "The Status of Transportation Funding in Wisconsin." The Keynote speaker for the lunch presentation will be provided by Brett Wallace of the Wisconsin DOT, presenting "Wisconsin DOT's Foxconn Opportunity." A secondary plenary session will be held in the afternoon that will feature an ethics PDH presentation given by John Frauenhoffer, PE, SE, on "The ASCE Canons and Case Histories."

Please see the links below for more information and registration. We look forward to seeing you at the conference! For questions, please contact Kyle Bareither ([kyle.bareither@obg.com](mailto:kyle.bareither@obg.com)) or Tony Castle ([acastle@emcsinc.com](mailto:acastle@emcsinc.com)).

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## Call for Awards

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Article By: Ken Mika

The ASCE Wisconsin Section will be accepting award nominations for the following:

- Distinguished Service Award
- Wisconsin Young Civil Engineer of the Year Award
- Engineering Achievement Awards
  - Category A: Construction Cost Under \$2M
  - Category B: Construction Cost Over \$2M and Under \$10M
  - Category C: Construction Cost Over \$10M and Under \$20M
  - Category D: Construction Cost Over \$20M
- Individual Merit Award
  - Engineer in Education
  - Engineer in Consulting Practice
  - Engineer in Government Service
  - Engineer in Private Industry
- Excellence in Journalism Award

Nominations are due June 1 to the Wisconsin Section Secretary Jennifer Schaff ([Jennifer.schaff@countymaterials.com](mailto:Jennifer.schaff@countymaterials.com)). Nominations are to be submitted as PDFs.

The Southeast Branch Board of Directors tries to nominate individuals from the Branch for the Distinguished Service Award, Wisconsin Young Civil Engineer of the Year Award, Individual Merit Awards, and Excellence in Journalism Award. If you have any recommended nominations for these awards, please send an email to Ken Mika ([ken.mika@obq.com](mailto:ken.mika@obq.com)) with your recommendation.

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## Wisconsin High School Rube Goldberg Contest

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Article By: Kyle Bareither

A Rube Goldberg Machine is defined as: a comically involved, complicated invention, laboriously contrived to perform a simple operation. This year's high school Rube Goldberg contest challenges students to pour a bowl of cereal with a required 20 intricate steps. The Southeast Branch will again be sponsoring a special award for the competition for "The Most Creative Use of Materials." The event will take place on Friday, March 9<sup>th</sup> at Waukesha County Technical College. Setup begins at 7:30 AM, and the Start Time is 10:00 AM.



We do need a few judges to help determine the high school most deserving of this award. If you are interested, please contact Kyle Bareither ([kyle.bareither@obq.com](mailto:kyle.bareither@obq.com)) for more information.

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**YMG News**

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**Admirals Hockey Game**

Article By: Dave Jaromin

YMG's next social event is Friday, March 9th, when we will be going to a Milwaukee Admirals hockey game. There will be food and drinks before walking to the game just down the road. Registration is \$25 which gets you food and your ticket to the game. Contact Dave Jaromin ([djaromin@HNTB.com](mailto:djaromin@HNTB.com)) with questions.

Please see the link below for more information and registration: <http://events.constantcontact.com/register/event?llr=8wbor5ka&oeidk=a07ef3iv6qv9e61f015>

**Save The Date ASCE Brewers Game**

Article By: Dave Jaromin

The annual Brewers game and tailgate outing is right around the corner. This year's installment will be held on Friday, May 4th 2018 as the Brewers host the Pittsburgh Pirates.

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**ASCE Recognizes Kyle Bareither for His Community Services Efforts**

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Article By: Larry Buechel

In January, Kyle Bareither was recognized by ASCE at the Multi-Region Leadership Conference in Omaha, NE for his dedication to community service. Kyle's contributions to local community organizations are very worthy of recognition. The following is an excerpt from the nomination information submitted to ASCE on Kyle's behalf:

*Kyle Bareither has been an active member of the ASCE Wisconsin Section Southeast Branch for approximately 7 years, participating in both Branch and YMG activities during that time. Kyle has volunteered his time by holding several officer positions with both the Branch and the YMG over that time, as well as serving on several organizational committees for Branch events such as the STEM Expo, Spring Technical Conference, and Section Annual Meeting. Kyle has also been an active participant in the YMG's STEM outreach efforts with local community children's organizations, helping to promote STEM learning amongst the youth in our area.*



*In addition to volunteering his time with ASCE, Kyle also volunteers his time with the local chapter of the Leukemia & Lymphoma Society, and a local non-profit organization called Imerman Angels. Kyle has been actively involved in the Leukemia & Lymphoma Society's Light the Night Walk, serving first as a participant and then as an organizer. With Imerman Angels, Kyle has volunteered his time to provide one-on-one support to cancer patients undergoing treatment.*

Whether it is ASCE or another organization important to Kyle, his generosity with his time is something we all should aspire to duplicate.

**Ken Mika named STEM Forward Young Engineer of the Year**

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Article By: Jared Wendt

The ASCE Southeast Branch is very excited to announce that Ken Mika has been named the 2017 STEM Forward Young Engineer of the Year! Ken was nominated for his high level of commitment to Community, Public Service, and Service to ASCE, making him well deserving of this honor.

Over the course of the past several years, Ken has emerged as an active leader for the Southeast Branch, YMG and the Section and been a strong advocate for our profession and STEM. Among his more recent accomplishments, Ken was successful in bringing the ASCE movie “Dream Big: Engineering Our World” to the Milwaukee Public Museum IMAX theater this past year. He helped to organize a premier for the film at Discovery World for members of the ASCE Southeast Branch and also a Dream Big night at the Milwaukee Public Museum for scout groups and families.



Ken truly exemplifies the spirit of the STEM Forward Young Engineer of the Year award with his willingness and enthusiasm as a volunteer leader. Ken was presented with the Young Engineer of the Year at the STEM Forward Engineers Week Banquet on February 15 at the Italian Community Center in Milwaukee.

For more details, please visit <http://www.stemforward.org/engineers-week-banquet-2018/>



**Future Cities Recap**

Article By: Pat Flaherty

The 2018 WI Regional Future City Competition took place recently. This year we had 70+ teams at the competition. The ASCE WI SE YMG special Award for Best Use of Recreational Space goes to Sofia put together by Students from Forest Park Middle School pictured below.



The ASCE Wisconsin Section Southeast Branch also selected four groups for the Exemplary Model Award. The Models and School are listed below:



Amanecer-Longfellow Middle School



Pau Ole - Longfellow Middle School



High Pine Haven - Whitman Middle School



New Madidam - Glen Hills Middle School

Congratulations to all of our award recipients!

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## Student Chapter Update

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Article By: Alyssa Walker

### UWM

UWM being the host of this year's scholarship dinner had a large attendance to celebrate their winner. The speaker, from HNTB, spoke about the new Milwaukee Bucks arena. Professionals and students were excited to hear about this new complex coming to Milwaukee! The students at UWM are also full steam ahead on their conference competitions including steel bridge design and their concrete canoe pour.

### Marquette

After Marquette's winter break they too worked several hours on their concrete canoe and steel bridge. The students have also been preparing for the Great Lakes Conference several other competitions.

### MSOE

MSOE is preparing for another round of finals soon approaching. They took full advantage of their winter break to continue work on their steel bridge and concrete canoe. Students at MSOE are also beginning to prepare for all of the Great Lakes Conference competitions other than steel bridge and concrete canoe to stay ahead of the curve ball!

We congratulate all of the winners recognized at this year's scholarship dinner. A lot of hard work went into applying for these scholarships and the winners should be very proud! In addition to that all of the Milwaukee schools are hard at work and in full preparation for the upcoming Great Lakes Conference held in Chicago this year! Best of luck to everyone!

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## Save the Date: ASCE 2018 Wisconsin Section Annual Meeting

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Article By: Brian Genduso

The ASCE Fox River Valley Branch is hosting the 2018 Wisconsin Section Annual Meeting on Friday, September 21 at the new Fox Cities Expo Center in Appleton.

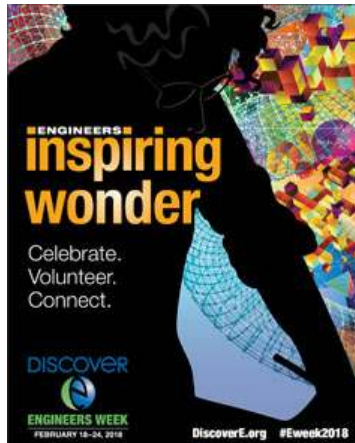


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**Engineers Week 2018**

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Article By: Brian Genduso



The week of February 19<sup>th</sup> is Engineers Week. 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.

Check out some of the events this week:

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>



## ASCE Infrastructure Report Card for Wisconsin

Article By: Martin Hanson (Wisconsin Section Treasurer)

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 an 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 is 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 Justin Bilskemper, Wisconsin Section President at [Justin.Bilskemper@strand.com](mailto:Justin.Bilskemper@strand.com). We would like to designate a project manager and establish infrastructure subcommittees this spring.

### 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](mailto:bjg@spireengineer.com)**

Deadline for next issue is the first of the month.