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

PRESIDENT'S MESSAGE

Greetings,

Welcome to 2017 everyone! Recently I was able to volunteer with the Future City competition by judging essays and models. The future is bright for civil engineering! The middle school students competing in the Future City competition have great ideas on how to restore brownfield sites, improve our transportation conundrums, and to move forward with sustainable power sources. In addition, it was great to see a diversity of students from differing backgrounds compete. The only way we can improve from where we are now is through a diversification of people and ideas, which will aid in generating the conceptual and technological breakthroughs needed to continue progress into the 21st century.

Recently we honored four civil engineering students from our local universities. On January 31, the Southeast Branch's Scholarship Dinner honored Brady Mathisen of UWM, Nicole Wellenstein of Marquette, Reid Johns of MSOE, and Sean Casey of MSOE for their efforts in promoting civil engineering at the university level. Each of them was awarded a \$2,500 scholarship in recognition of their efforts.

I would also like to take this opportunity to congratulate Jared Wendt, who was recently named the STEM Forward 2016 Young Engineer of the Year! Jared is a Past-President of our Branch, and was instrumental in petitioning the Southeast Branch Board to add another Director-At-Large position for education. This Director works with STEM Forward to promote collaboration between that organization and the Southeast Branch. This position is also our connection to the Wisconsin professional licensing board and a liaison for Southeast Branch members who have questions on their continuing education requirements. Jared has also been a chair and committee member for various conferences and events, and is now the Wisconsin Section Vice-President.

I would also like to take this opportunity to congratulate Tony Castle, who was recently named the Outstanding Young Civil Engineer in the Private Sector at the ASCE Central Region Younger Member Council meeting in Minnesota. Tony is the current President of the Younger Member Group, past Co-Chair of STEM Expo, and is continuously volunteering at the Silver Spring Neighborhood Center to name a few of his activities.

Lastly, this is the time of year when we start seeking out members to serve as officers of the board next year. If you are interested in being an officer, let us know. If you feel an officer position may be too much of a time commitment, consider serving on one of our committees. While I feel the Branch is a great asset to our members, it still can be improved. This only can be done through diversification, which starts with new leaders joining the board and committees.

Ken

December article omission - 2016 Wisconsin Section Annual Meeting

Omission from December's newsletter: The article about the 2016 Annual Meeting omitted the fact that one of our branch's board members, Larry Buechel, was the winner of the Engineer in Private Industry award. Congratulations Larry on winning this award!

Save the Date for the 2017 Spring Technical Conference

Article By: ASCE Wisconsin Southwest Branch

Please save-the-date for the 2017 Spring Technical Conference. This year's conference will be hosted by the ASCE Wisconsin Southwest Branch on Thursday, March 30th, 2017 at the Crowne Plaza Madison Hotel. A follow-up email will be sent in the following weeks with details for registration and the conference schedule. A total of 5 PDH will be available including the mentioned below.

Our plenary speaker this year will be Henry Petroski (Alexandar S. Vesic Professor of Civil Engineering and Professor of History at Duke University) on the topic of Infrastructure in Perspective (1 PDH). The evening speaker will be John McHugh (Director of Corporate Communications at Kwik Trip, Inc.) on the topic of Ethical Leadership (1 Ethics PDH). We are also honored to have the ASCE National President-Elect, Kristina Swallow attending the conference.

Volunteer Judges Needed for STEM Forward's Rube Goldberg Machine Contest

Article By: Chris Robb

STEM Forward is hosting the Rube Goldberg Machine Contest in the metropolitan Milwaukee area this year, and the Southeast Branch is sponsoring a special award for the contest. The contest challenges teams of high school students to build a machine to do a very simple task in a complicated way. Approximately 11 student teams perform great feats of engineering in the contest, transforming everyday materials into their own wacky and innovative machines. In sponsoring the special award, the Southeast Branch has the opportunity to view the contest entries and select one of those entries to receive the branch's special award. Two to three volunteer judges are needed to represent the branch at the contest. Details regarding the event are as follows:

DATE: Friday March 3, 2017
TIME: 9:00am – 12:30pm
LOCATION: Waukesha County Technical College
800 Main Street
Pewaukee, Wisconsin 53072

If you are interested in serving as a volunteer judge for this year's contest, please email Chris Robb at crobb@geosyntec.com for additional details.

Volunteers Needed for the 2017 Great Lakes Student Conference at MSOE

Article By: Karissa Brunette

The Milwaukee School of Engineering (MSOE) will be hosting the 2017 ASCE Great Lakes Student Conference (GLSC) on the MSOE campus March 31st and April 1st, and their ASCE Student Chapter needs volunteers to staff conference activities. Their volunteer needs are as follows:



- Approximately 30 volunteers to help with the event's major competitions, such as concrete canoe and steel bridge, as well as several associated mini competitions.
- Up to 5 people to judge the technical papers submitted by participating schools. Volunteers would review the papers submitted by each school and listen to a presentation on the paper, and then ask any follow up questions on the paper/presentation. Judges would then score the papers and presentations.
- Two (2) judges for the student quiz bowl.

Please email Karissa Brunette (brunettek@msoe.edu) by mid-February if interested in volunteering for any of these duties at the event.

For more information about the 2017 GLSC please check out the website at: www.asceglsc.org. Also watch for more information in upcoming newsletters regarding this year's GLSC.

Jared Wendt named STEM Forward Young Engineer of the Year

Article By: Mike Arnold

ASCE Southeast Branch and YMG are very excited to announce that Jared Wendt has been named 2016 STEM Forward Young Engineer of the Year! Jared was nominated by ASCE SE Branch 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, Jared has emerged as an active leader for the Southeast Branch, YMG and the Section. Jared's leadership in multiple roles has helped advance the Branch and YMG; his focus is always on finding ways in which ASCE can better serve our members and increase the value of their membership.

Jared's willingness and enthusiasm as a volunteer leader demonstrate his dedication to our profession and the members our society supports. Jared truly embodies the spirit of the STEM Forward Young Engineer of the Year award!

Southeast Branch seeks volunteer to serve on Budget & Finance Committee

Article By: Larry Buechel

The Wisconsin Southeast Branch (Branch) is looking for a current branch member to serve on the Budget and Finance Committee (Committee).

The Committee meets twice a year to perform to review the financials of the Branch, including an audit and budget proposal. Committee membership runs concurrent with the Branch's annual fiscal year – October 1 to September 30.

Branch members interested in serving on the Committee should contact Committee Chairperson Alan Rentmeester (atr@spireengineer.com) or Branch Treasurer Ryan English (renghish@whyterra.com) for more details.



Engineer's 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>

SE Branch Sponsors Awards at 2017 WI Regional Future City Competition

Article By: Chris Robb

The 2017 WI Regional Future City Competition took place on January 21, 2017. This year 70 teams took part in the competition. The competition asks student the question, “how can we make the world a better place?” and students research, design, and build cities to address a citywide sustainability topic. This year’s topic was the Power of Public Space.

The Southeast Branch sponsored the four Exemplary Awards for this year’s competition, and had the opportunity to judge the competition. The winners of the four Exemplary Awards were: Avenir – Longfellow, Savage Hill - Glen Hills, Panorama – Longfellow, Greenthumbtopia - St. Mary.



YMG News

Recent Outreach Events

Article By: Pat Flaherty

On Saturday, January 21st, the YMG teamed up with the SE Branch and volunteered as judges for ASCE-sponsored special awards at the Future City Regional Competition at MSOE in Milwaukee and awarded the "Best Use of Recreational Space" and "Exemplary Model" the teams' futuristic city designs. This year the YMG and SE Branch sponsored four awards for exemplary model and one for best use of recreational space.

Special thanks to Kyle Bareither, Pat Flaherty, Tony Castle, Aaron Schramm, Sara Dashti, Harry Tran, Ken Mika, Mike Arnold, and Ryan English for volunteering their time on a Saturday morning to judge these awards!



On Thursday, January 26th, Pat Flaherty gave a presentation on behalf of the YMG to middle school students at the Victory School in Milwaukee about Civil Engineering for their Engineering Career Day. The students learned about what civil engineering is and what civil engineers do on a daily basis as well as what it takes to become a civil engineer. Then, they participated in a group activity where they used construction scheduling methods to find out how long it would take to build a treehouse!



Renew your ASCE membership

Article By: ASCE National

As an existing ASCE member you understand that the Society is providing needed support to both the civil engineering profession as well as the general public. ASCE stands at the forefront of a profession that plans, designs, constructs, and operates society's economic and social engine – the built environment – while protecting and restoring the natural environment.

Much of the Society's work focuses on public safety and education. Through the expertise of its active membership, ASCE is a leading provider of technical and professional conferences and continuing education, the world's largest publisher of civil engineering content, and an authoritative source for codes and standards that protect the public.

Renew your ASCE membership (cont'd.)

As the voice of the collaborative efforts of more than 150,000 passionate and committed civil engineering professionals our mission is clear: **To protect the health, safety, and welfare of the public's future by continuing to advance the profession.**

Continue your support of ASCE, civil engineering, and public safety by renewing your membership.

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.

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.

Job Postings

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



R.A. Smith National is a privately held company providing multi-disciplinary services to government and the land development industry. Our comprehensive services include civil engineering, surveying, construction services, structural engineering, ecological services, landscape architecture, irrigation design, water resource engineering, geographic information systems (GIS), visualization and 3D laser scanning. We work at sites nationwide with 7 offices in 4 states. We currently have the following two positions open:

Civil Engineer – Brookfield, WI

We currently have an opening for a Civil Engineer in the Land Development Division, working on a team to assist in the site civil design aspects of preparing land for development or redevelopment. The work will involve preparing site civil development plans, including site and paving plans, grading plans, erosion control plans, watermain plans, storm sewer plans, and sanitary sewer plans using AutoCAD Civil 3D and a variety of other engineering software. It will also include performing hydrologic and hydraulic calculations and preparing stormwater management plans as well as completing research and permitting processes for sites.

Successful candidates will have a Bachelor of Science degree in Civil Engineering and a minimum of 3 years progressive experience in land development design and civil engineering. Additional experience in the above mentioned areas is important. Proficiency with AutoCAD Civil 3D and hydrology and hydraulic software is also needed. Experience with Deltek Vision is preferred.

Project Engineer – Brookfield, WI (Civil Engineering)

We currently have an opening for a Project Engineer to design and manage the technical aspects of site design for projects that prepare land for development or redevelopment. Experience is needed in the areas of hydrology, site and paving plans, erosion control and grading plans, watermain and storm sewer plans. Day-to-day responsibilities include design for the above mentioned areas, preparing permit applications and submittals and researching potential development sites. This position also provides the opportunity to work directly with the client.

Successful candidates will have their P.E. and at least 10 years of progressive experience in land development design and civil engineering. Additional experience in the above mentioned areas is important. Proficiency with AutoCAD Civil 3D or a comparable software and hydrology and hydraulic software is needed. Experience with Deltek Vision is preferred.

At R.A. Smith we believe in a work/life balance and have been consistently named a Top Employer and a Best Firm to Work For by Zwieg White based on survey responses by our employees. Our firm is dedicated to finding quality candidates and we offer a competitive compensation plan and excellent benefit package which includes the following:

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- Tuition and Professional Licensure/Certification Reimbursement program

At R.A. Smith National, we offer our employees more than just a job; we offer an opportunity to shape the world for generations to come through innovation and design. We are proud to be an EOE/Affirmative Action/Veterans/Disabled employer.

Please apply at our website: www.rasmithnational.com/employment.htm