Greetings-

February is already upon us, and we all have something to be a part of with Engineers Week from February 19-25!

*Founded by NSPE (National Society of Professional Engineers) in 1951, Engineer’s Week is dedicated to ensuring a diverse and well-educated future engineering workforce by increasing understanding of and interest in engineering and technology careers.*

*Today, EWeek is a formal coalition of more than 70 engineering, education, and cultural societies, and more than 50 corporations and government agencies. Dedicated to raising public awareness of engineers’ positive contributions to quality of life, EWeek promotes recognition among parents, teachers, and students of the importance of a technical education and a high level of math, science, and technology literacy, and motivates youth, to pursue engineering careers in order to provide a diverse and vigorous engineering workforce. Each year, EWeek reaches thousands of schools, businesses, and community groups across the U.S.*

Our section has the annual Toothpick bridge competition on February 28th, outside of EWeek, but it all relates to educating the youth and local involvement. This is our largest student outreach program and a fun/open atmosphere to work with these students, hopefully we get a good showing of professional volunteers this year again. I did hear Mr. Chris Morris currently has Mayor Emily Larson scheduled to attend as well.

We have one more lunch meeting on February 21st, you can expect some encouragement for more volunteers... Looking forward to seeing everybody there, and don’t forget to promote Engineer’s Week when you get the opportunity!

Thank you,

Nick Patterson
Duluth Section President
Please join us for a Unique Presentation
February 21st, 2017 at 12:00 pm
At the Radisson in Duluth

Please RSVP by responding directly to the electronic invitation you will receive via e-mail.
Professional rate is $20. Student rate is $10.
Costs will be collected at the door.
ASCE Duluth Section will issue a PDH certificate to members in good standing. It is the responsibility of the individual to determine whether or not the presentation is applicable to his/her career.
ASCE’s mission is to provide essential value to our members, their careers, our partners and the public by developing leadership, advancing technology, advocating lifelong learning and promoting the profession.

ASCE Duluth Section Board Meeting Minutes
January 25, 2017

Board Members present were Nick Patterson, Tom Desmarais, Andrew Kilpo, Mary Christiansen. The meeting was called to order at 4:40. A quorum was present. December Minutes were approved.

**Toothpick Bridge:** Toothpick bridge contest is February 28th. So far 13 ASCE members and students have volunteered. Volunteers will also be needed to set up Monday afternoon February 27th.

**UMD Student Update:** Things are looking good for the UMD ASCE group. Next speaker meeting is February 1st, Cindy Voigt will be speaking.

New officers:
President: Brad Eischens
Vice President: Sam Fink
Treasurer: Jack Patterson
Secretary: Karth Whiteside

Scholarship forms are due March 28, 2017 and should be sent to Andrew Kilpo (Secretary).

**Younger Member Update:** Mock career fair was held January 24, 2017. 24-26 students attended and 28 professionals volunteered at the event. Unfortunately only a few pictures were taken at the event. A survey will be sent to students and volunteers. We will try to put this event on again, but will need to fundraise $500-$1000. The board discussed having companies sponsor event but decided it is better to keep the mock career fair independent.

Curling event is on February 17 at Superior Curling Club, Twin Cities Younger Member Group and students are invited.

The Younger Member Group is looking for tour opportunities.

The YMG would like to set up a monthly happy hour event.

**Treasurer’s Report:** Checking: $6996.93, Savings: $6971.73
No update – Joe not in attendance
ASCE’s mission is to provide essential value to our members, their careers, our partners and the public by developing leadership, advancing technology, advocating lifelong learning and promoting the profession.

ASCE Duluth Section Board Meeting Minutes (continued)

2016-2017 Speakers:
February: COGGS trail designers will present and discuss how the trail design relates to civil engineering, sustainability and funding.
March: City of Duluth and MNDOT update.

Still need speakers for April banquet and following meetings. Potential presenters suggested: Andrea Shokker – Falling Water presentation, Vikings stadium presentation (Craig will ask), a national ASCE speaker (Craig will check on availability, board may be willing to sponsor hotel stay for speaker).

2017 Board/Lunch Schedule
<table>
<thead>
<tr>
<th>Membership Lunch Meetings</th>
<th>Board Meetings</th>
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<td>March 21, 2017</td>
<td>March 29, 2017</td>
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<tr>
<td>April 18, 2017</td>
<td>April 26, 2017</td>
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<tr>
<td>May 16, 2017</td>
<td>May 24, 2017</td>
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Radisson Update: We did receive a letter from the Radisson. They plan to charge us $15/plate + $50 room charge. The letter indicated they will now hold us to our rsvp head count (this is one of the reasons we have stayed with the Radisson). We might consider paying up front for lunches or holding people to their rsvp. In the past we have paid for 3% extra food. For the last meeting 45 members RSVP’d, 41 showed up, ASCE paid for 43 plates. Nick will talk to Megan at Radisson about allowing us to continue as in the past.

Newsletter Update:
Newsletter information is due to Mary by February 3rd.
Nick will say something about E-Week in newsletter.
Mary will get a Sponsorship update from Joe for newsletter.
Amy will send info on CTA conference if it is available before newsletter is sent out.
Sponsorships to remain in newsletter.
Pete will have a brief write-up on “Mock Career Fair”
Brad will give student update for newsletter with new student officers.

Membership: No update available
ASCE Duluth Section Board Meeting Minutes (continued)

Membership: No update available

Centennial Group: Amy will know more about the Centennial after next conference call next week. So far we have had 192 submittals on a good mix of topics. The deadline for abstract submittals is passed, but more could possibly be squeezed in. There is a 90 minute placeholder at the Duluth Centennial.

We have a grant of $1000 allocated for the Centennial event, and we need to report how we will spend this grant. Potential ways to spend grant include; GIS map, report card (around $300), Vista Cruise (We are not hosting this event), poster board, small reception to promote section attendance or Younger Member Group, an icebreaker event we could host. Grant is due February 3rd. We will plan to use the grant to pay for Section Report Cards and an icebreaker event. Tom will present the GIS map at next lunch meeting, Craig can help prepare.

Matrix Review and Update:
Tom will invite past presidents to Awards Dinner.
Scholarship review coming up in March
Craig to attend St. Louis County Days at the Capital

New Business:
SE Licensure – Dave not here to give update. Craig reported that it has been opposed to create a legal SE only if the 16 hour SE exam is passed. A PE is still a PE and can be a structural engineer without the legal SE. The board will abstain from taking a position on this.

The Younger Member Group will host a 2 hour ethics presentation and charge $40 for members and $60 for non-members. In the future the YMG should be self-sustaining through fundraisers and possibly asking for more sponsorships.

Next Board Meeting: March 1st, 4:30 PM at Little Angie’s.

Adjorned: 5:34
ASCE - DULUTH SECTION SCHOLARSHIP GUIDELINES

OBJECTIVE: To present up to two $1000 scholarship annually to an eligible individual.

ELIGIBILITY REQUIREMENTS:

1. For one of the two scholarships, the candidate must be either a spouse or a son or daughter of an ASCE - Duluth Section member in good standing or a student member of ASCE assigned to the Duluth Section as of January 1st of the current year, and,

2. The candidate must be registered for classes in the upcoming school year at a four-year university or college and,

3. The candidate must be either a junior, senior, or graduate student majoring in civil engineering during the award year.

4. The candidate must complete and transmit the application form to the Duluth Section Secretary by March 25th to be eligible for the scholarship.

5. For the second of the two scholarships the student must be enrolled at UMD. Requirements 2, 3 & 4 also apply for the second scholarship.

SCHOLARSHIP REVIEW GUIDELINES:

1. The scholarship review committee will consist of the first past-president, president and president elect.

2. The secretary shall review all applicants to ensure that they meet minimum qualifications. The secretary shall black out all personal information from the application form and then forward one copy to each of the review committee members.

3. The review committee shall recommend one or more candidates to the full Duluth section board at the March board meeting.

4. The scholarship winner will be announced in the April newsletter and shall receive the scholarship at the April section meeting.

REVISIONS TO THE ASCE-DULUTH SECTION SCHOLARSHIP GUIDELINES:

1. The objectives, eligibility requirements or the scholarship review guidelines may be changed at any time by simple majority vote of the Duluth Section board.

2. All revisions to the guidelines will go into effect the year following the current scholarship cycle.
ASCE-DULUTH SECTION SCHOLARSHIP
APPLICATION FORM

NAME: ________________________________

ADDRESS: (HOME) (SCHOOL)

__________________________________________

__________________________________________

TELEPHONE NO. __________________________

EMAIL ADDRESS __________________________

DULUTH SECTION MEMBER THAT YOU ARE RELATED TO
(OR YOUR NAME AND NUMBER):

NAME: ________________________________

MEMBERSHIP NO. __________________________

Please include your resume (your resume should address academic performance, volunteer
service, work experience, and other information that you feel could be helpful in making
our decision).

BRIEFLY DESCRIBE YOUR GOALS FOR THE FIRST FIVE YEARS AFTER
GRADUATION:
BRIEFLY DESCRIBE YOUR GOALS FOR THE FIRST FIVE YEARS AFTER GRADUATION (continued):

Return to: ASCE Duluth Section Secretary by March 24th:

Andrew Kilpo (akilpo@mnpower.com)
Volunteers Needed for the 24th Annual Toothpick Bridge Competition

Date: Tuesday February 28, 2017

Brief Event Description: 24th Annual Toothpick Bridge Competition. High School students from local schools are invited to design and build a bridge out of toothpicks and bring it to the contest to load until failure.

Competition Times:
- 8:45 - 9:45 Registration of Schools and Contestants
- 9:50 - 10:10 Judging of Most Aesthetically Pleasing Bridge
- 10:10 - 10:30 Welcome from ASCE and UMD Engineering Dept., Awarding of Most Aesthetically Pleasing Bridge, Brief Contest Instructions
- 10:30 - 12:30 Load Competition
- 12:30 - 12:50 Awarding of Strongest Bridge and Most Economical Design

Volunteer Times:
- 8:30 am to 1:00 pm and lunch afterwards.

Contact Chris Morris if interested in volunteering.
christopher.morris@state.mn.us
New Sponsorships or Renewals Available Today

We want to thank you for supporting The Duluth Section of the American Society of Civil Engineers in the past. Your sponsorship helps fund several programs that are specific to the Duluth Section. The first being our Toothpick Bridge Competition. This program helps promote civil engineering at a young age, which is vital to the future of our profession. The second program is our Annual Scholarships to Civil Engineering and Civil Engineering Technology students. Your sponsorship helps our local ASCE section to promote these valuable activities. That is why it is time again for us to ask you to renew your sponsorship, or consider a new sponsorship for 2016-2017. Our membership is comprised of engineers from a diverse range of companies (engineering, construction and geotechnical, etc.). We are very proud to showcase your company logo on our sponsor page.

With a contribution of $200, your company’s logo will be displayed in each section newsletter through September 2016. Our newsletter is produced 9 months of the year and reaches all of our 300+ members. Your support also aids the Duluth ASCE Section’s efforts to keep the civil engineering community actively involved through technical presentations and networking luncheons, social activities, and student outreach activities.

If you would like to renew your sponsorship or become a sponsor, please send a check payable to ASCE - Duluth Section to the section treasurer:

Joseph Butler, PE  
Braun Intertec Corporation  
4511 West 1st Street, Suite 4  
Duluth, MN 55811

New sponsors, e-mail your company logo to the Vice President and newsletter editor, Mary Christiansen, PhD at: muchrist@d.umn.edu

Sincerely,

The Duluth Section Board of Directors
Assistance with Centennial Civil Story Map Needed

The ASCE Duluth Section Board invites you to assist our efforts to create an interactive map of key civil engineering accomplishments that have contributed to the section in the last 100+ years!

The goal of our Centennial inspired Civil Story Map is to bring more attention to the role that civil engineers play in our society. We hope this format appeals to more than just our core membership. Specifically, we aim to enlighten the public about how each generation of engineers builds on the past, and with the improvements, gives previously unattainable opportunities to the next generation.

So how can you help us? Well, there are likely tens of thousands of projects that have been completed in the last 100 years. But it’s not limited to just projects. We can also show locations where key historical events occurred, and what their importance means to our Section. Where do we start? That’s how you can help us. A simple email to the board with suggestions would be a great start...your marketing group might even help with the more recent examples. Or, there is a Civil Story Map form included in this newsletter. We are a small group of volunteers, and we will certainly benefit from the assistance.

We hope that we are overwhelmed with support and will need to prioritize adding events, projects, and development over the next year. But that largely depends on the membership helping us out. Remember, our membership spans a significant geographical footprint.

Mock Career Fair at UMD

As you may have heard the YMG secured a STAY grant from ASCE to host a Mock Career Fair for the Civil Students at UMD. The event was a huge success. We interviewed 22 students and critiqued 30 plus students’ resumes. The YMG board would like to extend a special thanks to the 20 plus volunteer that took the time out of their busy schedules to help us. The hope is to create an annual event from this so keep your eyes open for more opportunities to partake.
CENTENNIAL STORY MAP CREATION ASSISTANCE FORM

Story Map Title suggestions:

Story Map Subtitle suggestions:

- Title needs to be short, colorful, enticing, creative and describe what OUR ASCE story is to you
- Subtitle can be longer and more descriptive to draw in more web-lookers.

Project / Event Title: ___________________________________________

- Simple and descriptive

Project / Event Details & Description:

- One to two short paragraphs describing the project for a ‘popup’ type display; more can be added, but will need a hyperlink to a pdf or future webpage

Project/Event Location: ______________________________ Describe, or us GPS, map image, etc.

- For the story to be ‘mapped’ the location is a critical element

Project/Event Photos: ______________________________

- Primary proposed images - ideally high resolution, secondary photos can be added and put into a collage format
- Need to adhere to copyright rules. That means permission, so we’ll need to know where you found the image, or who gives permission for its use.
- The Civil Story Map will likely have an aerial/satellite image basemap as the interactive background for realism.

Submit ideas to Nick Patterson or Craig Bursch.

Thanks for your assistance,

David Franseen, First Past President
Minneapolis Multi-Region Leadership Conference

The Duluth Section had a great turnout for the Minneapolis Multi-Region Leadership Conference held February 9-11, 2017. The section board had 3 officers in attendance, YMG had three officers in attendance, and the student section had 7 officers and past officers in attendance. Below are some pictures from the conference, awards banquet and curling event. The group would like to extend our thanks to the section for providing allowing us to attend this event and learn how to better lead our section.
New Officers Elected at UMD ASCE Student Chapter

New officers elected this year include (left to right): Jack Patton, Luke Ulstad, Sam Fink, Karth Whiteside and Brad Eischens. Below is a brief intro to each of the officers.

My name is Brad Eischens, I'm from Park Rapids, MN and I am a Junior at UMD studying Civil with an interests in water and geotechnical engineering. I am the ASCE Duluth Section's student board President as well as an active member in other on campus organizations including Student Association and The UMD Statesman.

I am Sam Fink, a senior civil engineering undergraduate at the University of Minnesota Duluth. I will be graduating in the fall with an emphasis in Geotechnical Engineering. I am the vice president of ASCE Duluth section's student board, president of ACI's Duluth student section and am an active member of Tau Beta Pi. Last year I worked as a construction materials technician at Braun Intertec's Duluth office. I am currently in search for an internship for the summer of 2017.

My name is Karth Whiteside and I am a sophomore at UMD studying Civil Engineering with an interest in transportation. I serve as the ASCE Duluth section student board Secretary in addition to participating in Concrete Canoe. I am from Shakopee, MN where I recently did an internship through Bolton & Menk, Inc. on multiple road reconstruction projects for the Shakopee Mdewakanton Sioux Community and Mystic Lake Casino.

My name is Jack Patton and I am a Junior at UMD currently studying Civil Engineering with a focus area in both geotech and structures. I am the new ASCE Duluth Section's student board Treasurer and also am an active member on the UMD ASCE’s Concrete Canoe team.

I am Luke Ulstad, a senior Civil Engineering student at UMD, with an intended graduation date of December 2017; I fill a committee chair position with the intent of working towards starting a mentoring program in the club. I currently work for The UMD Facilities Management Engineering Office as an assistant to the university’s engineers. Outside of school I am an active member of multiple fraternal/community based organizations such as The Shriners.
UMD ASCE Student Chapter Update

The UMD ASCE Student Chapter is involved in the Concrete Canoe Competition (the 2016 canoe is pictured above), the Geowall, and is interested in starting up a Steel Bridge team in the near future.

The UMD Student Chapter is always looking for great speakers for their monthly meetings. If anyone is interested in presenting on their work, a special project, or experience, please contact Brad Eischens at eisch067@d.umn.edu.

Concrete Canoe Update
Some of UMD's students will be attending this years ASCE Concrete Canoe competition at Platteville, WI on April 27th-28th. We are currently finishing the construction of the canoe mold and testing our structural mix designs. This year our canoe's theme is based on a famous local artist Bob Dylan and specifically his famous song "Blowin' in the Wind". We will be posting updates of the construction process on Facebook this year under "2017 UMD's Concrete Canoe".

ACI Student Chapter Update
Twelve UMD undergraduate students will be attending the ACI convention this March in Detroit. Two teams from will be competing in the student competition (approximately 70 teams will be competing total). The officers of this club are Sam Fink (President), Brandon Clark (Vice President), and Zach Silbernick (Secretary). The competition pertains to design and creation of an FRP beam and ultimately, predicting the flexural strength. Both teams have their concrete mix designs determined and are working on the shape and design of their beams.
Thanks to Our 2016-2017 Sponsors!
(Consider being a sponsor!)