

*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.*

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Greetings Duluth Section,

I hope you all are enjoying the warmer weather as this month begins! Our March luncheon is fast approaching where we will get to hear about the Rice Lake Road reconstruction from Steve Krasaway from St. Louis County. We are back at the Radisson this month again before another break in the usual location for the April awards dinner.

The awards dinner will again be held at Blackwood's Grill in Duluth. This will be a free event and all section members are encouraged to bring a guest. We will have appetizers and a drink provided to all attendees by the section, a cash bar available, and a short presentation to award scholarships and honor past presidents of the section. Instead of a speaker this year, we will again have plenty of time for networking and socializing. This event has been a great opportunity to get to know someone or to introduce a significant other to your ASCE connections.

As another reminder, there is still time to submit scholarship applications, but the deadline is also fast approaching. Don't forget to remind the eligible students in your life to apply for one of the \$1500 scholarships we will be awarding!

Finally, the board is looking ahead towards next season and is in need of individuals interested in filling both the treasurer and secretary positions next year. If you have any interest in joining the board or just want to learn more about what the positions entail please feel free to contact me or another board member.

Thank you,

Andrew Kilpo

Duluth Section President

**Interested in submitting an article for the ASCE newsletter or becoming a Board Member?**

**Contact Brett Ballavance (newsletter editor) for information at 218.393.4085 or [bballavance@wenck.com](mailto:bballavance@wenck.com). Thanks.**

## BOARD OF DIRECTORS

2019-2020

### President

Andrew Kilpo, PE  
Minnesota Power  
(218) 355-2437  
akilpo@mnpower.com

### President-Elect

Rose Kopecky, PE  
Short Elliott Hendrickson Inc.  
(218) 249-1558  
rkopecy@sehinc.com

### Vice President

Brett Ballavance, PE  
Wenk Associates  
(218) 393-4085  
bballavance@wenck.com

### Treasurer

Andrew Barnebey, PE  
MSA Professional Services, Inc.  
(218) 499-3174  
abarnebey@msa-ps.com

### Secretary

Brady Korwin, PE  
AMI Consulting Engineers  
(715) 718-2193  
brady.korwin@amiengineers.com

### Past President

Joseph Butler, PE  
Braun Intertec  
(218) 624-4967  
jbutler@braunintertec.com

## BOARD CHAIRS

2019-2020

### Younger Member Chair

Peter Demshar, PE  
Barr Engineering  
(218) 788-6309  
pdemshar@barr.com

### Membership Chair

Tom Donofrio, PE  
Minnesota Power  
(218) 355-3313  
tdonofrio@mnpower.com

### Government Relations Chair

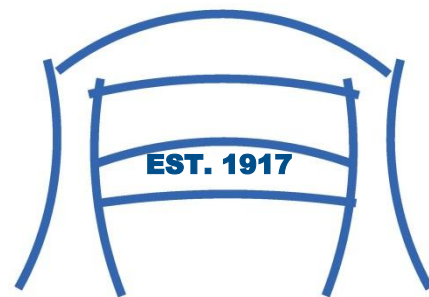
Craig Bursch, PE  
TKDA  
(218) 491-7365  
craig.bursch@tkda.com

### Toothpick Bridge Chair

Chris Morris  
Minnesota DOT  
(218) 725-2734  
christopher.morris@state.mn.us

### Web Updates

Lisa Karlgaard, PE  
LHB, Inc.  
(218) 279-2486  
Lisa.Karlgaard@lhbcorp.com



Please join us for  
a Unique Presentation  
March 17, 2019 at 12:00 pm  
Radisson Hotel



**"Rice Lake Road reconstruction and  
Arlington Avenue Cemetery"**

**Steve Krasaway, PE  
Resident Engineer  
St. Louis County Public Works**

**Please RSVP by responding directly to the electronic invitation you will  
receive via e-mail.**

**Professional rate is \$25. Student rate is \$10.**

Costs will be collected at the door or in advance.

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.

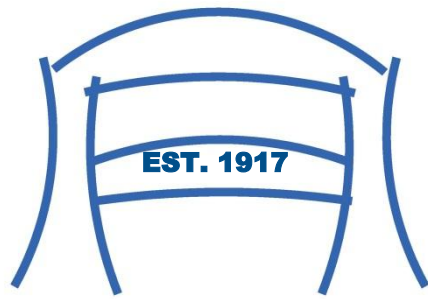
## Membership and Board Meetings for 2019-2020

### Membership Meetings

March 17, 2020  
April 21, 2020 (Awards Dinner)  
May 19, 2020

### Board Meetings

March 25, 2020  
April 22, 2020  
May 27, 2020



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## **ASCE Duluth Section Board January Meeting Minutes**

**Meeting Date:** Wednesday, January 22, 2020

### **Attendees:**

Andrew Kilpo, President  
Rose Kopecky (Henkel), President Elect & Younger Member Group Community Relation  
Brett Ballavance, Vice President  
Andrew Barnebey, Treasurer  
Brady Korwin, Secretary  
Joe Butler, Past President  
Tom Donofrio, Membership Chair  
Craig Bursch, Government Relations Chair  
Pete Demshar, Younger Member Group Chair & Student Liaison  
Ed Welch, Younger Member Group Membership Chair  
Levi Hanson, UMD President  
Emma Young, UMD Vice President  
Rachel Wagner, UMD Treasurer  
Josh Comstock, UMP Secretary  
Dalton Scharmer, UMD Outreach

### **Call to Order:**

The meeting was called to order at 4:43 pm. A quorum was present.

### **Approval of October Meeting Minutes:**

A motion was made by Craig Bursch and seconded by Andrew Kilpo to approve the December meeting minutes. Minutes were approved unanimously.

### **Newsletter Update:**

February Newsletter:

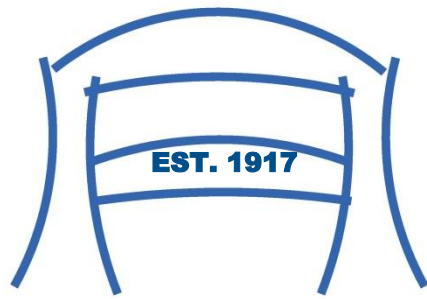
- President's message, YMG information, Sponsorships
- Other Items
  - Submissions by Feb 3<sup>rd</sup>, Send by Feb. 8<sup>th</sup>.
  - Scholarship letter (see matrix)

### **Treasurer's Report**

*See Correlating Treasurers Report for details regarding ASCE Duluth Section Finances.*

It was noted that account balances were higher than expected due to membership renewals occurring in December and revenues from YMG Ethics Presentation.

Account balances as of December 17, 2019 are:



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### **ASCE Duluth Section Board January Meeting Minutes - continued**

1. Checking (composite of Wells Fargo, NBC, and monies currently being transferred): \$8,070.22
2. Savings (composite of Wells Fargo and NBC): \$6005.93
3. YMG Checking (composite of Wells Fargo and NBC): \$3,567.10
4. Paypal: \$1,522.68
5. Petty Cash: \$100.00
6. Uncashed Checks: \$0
  - Andrew to change address on file with bank to PO box
  - Wells Fargo account officially closed prior to board meeting
  - Vote to reimburse Andrew Barnaby \$245. Andrew Kilpo made Motion, Brady Korwin Seconded

### **Board Transitions**

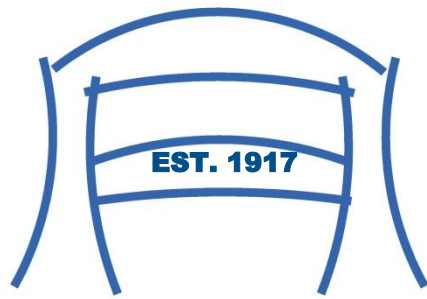
Each position to draft checklist for hand off of their position to for review and discussion at January board meeting.

### **UMD Student Update:**

- UMD luncheon (Located in High Bay)
  - Date: Feb 18<sup>th</sup>
  - ASCE to provide name tags
  - Ice breaker to start event
  - Pete to look into parking and bussing options to UMD
  - Pete to handle Food
  - Event time 11:45-1:15
- Events planned for 2019-2020
  - Concrete Canoe (Jun 13-15, 2020 @ University of WI Madison)
    - Mold building in progress
  - Geowall (Feb 7-8, 2020 @ University of MN Duluth)
    - Work started
  - Steel Bridge - Great Lakes Region (April 2-4, 2020 @ University of WI Madison)
    - Designed and under construction

### **Younger Member Group:**

- Upcoming Events: Mock career fair (Jan 29), Ethics presentation, Curling (Feb), and Fly in w/Craig
- YMG meetings
- Spring Ethics Presentation – Tom Desmarais
  - Send invites to Duluth Engineers Club and Engineers Club of Northern MN email list.
- Mentoring Program
  - Mid year meeting next week



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## **ASCE Duluth Section Board January Meeting Minutes - continued**

### **2019-2020 Speakers:**

- February: (UMD) *Discussed having PHD's present on current research. Need to reach out to them to schedule.*
- March: Steve Krasaway, St. Louis County
- April: awards diner
- May: Kristy Kearney - Polymet

### **2019-2020 Board Meeting / Luncheon Schedule**

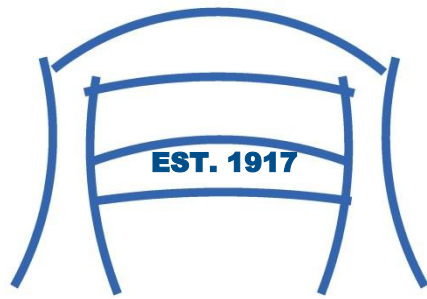
*Student liaisons need to reach out to UMD staff and current student section President to determine optimal schedule February Meeting.*

### **Membership – Tom Donofrio**

- No update
- Request list of all past president emails

### **Ongoing Business:**

- Mentoring Program (see YMG)
- Sponsor Logo PowerPoint, Website, LinkedIn, etc.
- Contact Pictures
- Position Descriptions
  - Need 5 year update
- Position Handoffs
  - Have ready for review by Feb board meeting
- Section PO Box
  - Brady needs to call USPS to get final key
- Toothpick Bridge (March 10 - UMD Fieldhouse)
- Cloud Account/Document storage
  - Brady to look into free accounts (Google and Microsoft) costs and benefits
- USB Mic
  - Board determined that Mic is not needed
- Computer Updates
  - Complete
- Ethics Presentation
- Past Presidents meeting



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### **ASCE Duluth Section Board January Meeting Minutes - continued**

- Determined the section would not be doing this event due to lack of availability to implement suggestions from last event. Event will be considered for 2020-2021 Cycle.
- Section Contacts to email individual photos to Lisa K. to have faces to go with names.
- Multiregional Conference January 10-11, Detroit
- Craig provided update on govt. relations activities, a role summary, and a proposed policy for reimbursing govt. relations chair.

### **Matrix Review**

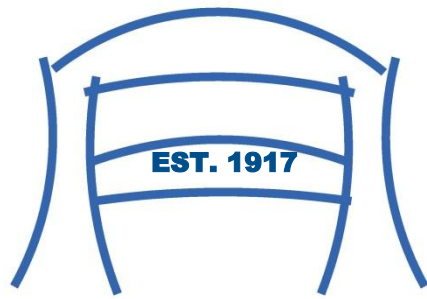
- Andrew Kilpo to update

### **New Business**

- Awards dinner
  - Email and invite past presidents
  - Look into venue options
  - Blackwoods last year.

**Next Board Meeting:** Wednesday February 26, 2020 - Old Chicago

**Adjournment:** Motion made at 5:55 pm by Craig B. and seconded by Brady K. to adjourn the meeting. The Motion passed unanimously.



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## **ASCE Duluth Section Board February Meeting Minutes**

**Meeting Date:** Wednesday, February 26, 2020

### **Attendees:**

Andrew Kilpo, President  
Rose Kopecky, President Elect  
Andrew Barnebey, Treasurer  
Brady Korwin, Secretary  
Pete Demshar, YMG Chair  
Levi Hanson, UMD ASCE Section President

### **Call to Order:**

The meeting was called to order at 4:33 pm. A quorum was present.

### **Approval of January Meeting Minutes:**

Tabled until minutes are complete.

### **Newsletter Update:**

- March Newsletter
- President's message, YMG information, Sponsorships
- March Newsletter - Submissions March: 7, send By March 8.

### **Treasurer's Report**

*See Correlating Treasurers Report for more details regarding ASCE Duluth Section Finances.*

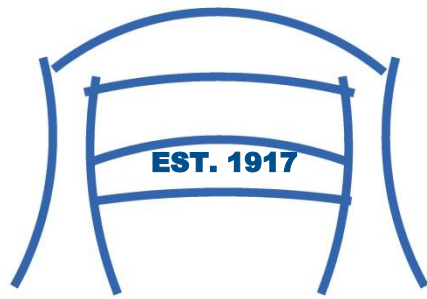
Account balances as of February 25, 2020 are:

1. Checking (composite of Wells Fargo and NBC): \$8,492.21
2. Savings (composite of Wells Fargo and NBC): \$6,006.16
3. YMG Checking (composite of Wells Fargo and NBC):  
\$3,170.45 Paypal: \$2,291.80
4. Petty Cash: \$100.00
5. Uncashed Checks: \$0

Rose Kopecky made a motion to pay Pete Demshar \$488.56 to compensate him for expenses related to food for the February ASCE meeting at UMD. Motion passed unanimously.

Need to consider scholarship applicants prior to next meeting





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### **ASCE Duluth Section Board February Meeting Minutes - continued**

Need to reach out to sponsors for 2020 in late spring (May)

Andrew B. Made a motion to raise sponsorship rates pending the improvements to the ASCE website, newsletter, and monthly meeting welcome screen that add value to sponsors. Motion passed 3-1 with Rose Kopecky Dissenting. Rates will not be increased until the board is satisfied that the section value added justifies the additional cost. Actual amount of rate increase has not been officially determined.

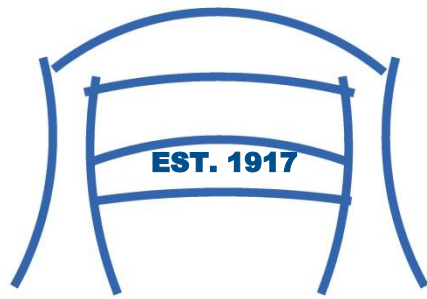
### **Board Transitions**

Each position to draft checklist for hand off of their position to for review and discussion at March board meeting. This is different than the position description updates that are needed on a 5 year basis in the section bylaws.

### **UMD Student Update:**

- 8 people on UMD board - Record or near record high
- UMD luncheon
  - Better student turnout than past years
  - Poor professional turnout (travel to UMD still an issue)
- New Board Elected
  - Need to update <https://bulldoglink.d.umn.edu/organization/asce> to show current board
- Events planned for 2019-2020
  - Concrete Canoe (Jun 13-15, 2020 @ University of WI Madison)
    - Forms created
  - Geowall (Feb 7-8, 2020 @ University of MN Duluth)
    - Geo wall competition occurred Feb. 7<sup>th</sup>. UMD took 2<sup>nd</sup> place. NDSU took 1<sup>st</sup>.
  - Steel Bridge - Great Lakes Region (April 2-4, 2020 @ University of WI Madison)
    - Currently running speed drills
    - ACI bowling balls
    - Currently casting different mixes





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## **ASCE Duluth Section Board February Meeting Minutes - continued**

### **Younger Member Group:**

- Upcoming Events
- YMG meetings
- Spring Ethics Presentation – Tom DesMarais
  - Send invites to Duluth Engineers Club and Engineers Club of Northern MN email list.
- Mentoring Program
  - 7 mentor/mentee pairs
  - Send out another mentor request in April for fall 2020
- Curling event
  - Poor turnout due to excellent outdoor weather.
- Working on tours of new Essentia hospital structure.

### **2019-2020 Speakers:**

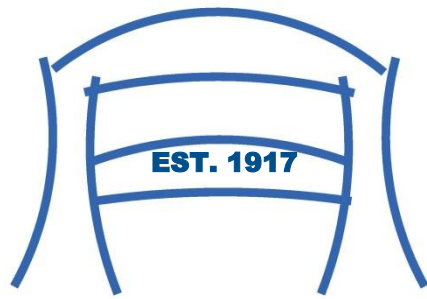
- March: Steve Krasaway, St. Louis County
- April (Awards Dinner)
  - Set location
  - Blackwoods
  - Rose to look into booking.
  - Taller (bar height) tables preferred to encourage fluid mingling.
  - Dining height tables encouraged longer conversations, but less mingling last year.
  - Sponsor event again?
  - Andrew Kilpo made a motion to support at similar level to prior years Andrew B second.
  - Prior years included appetizers, and 1 drink ticket + Guest Drink Ticket/member
- May: Christie Kearney, Polymet Mining

### **2019-2020 Board Meeting / Luncheon Schedule**

*Student liaisons need to reach out to UMD staff and current student section President to determine optimal schedule February Meeting.*

### **Membership – Tom Donofrio**

- No update



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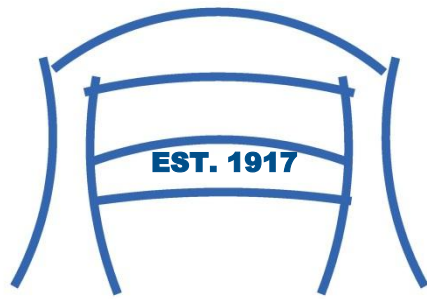
## **ASCE Duluth Section Board February Meeting Minutes - continued**

### **Ongoing Business:**

- Mentoring Program (see YMG)
- Radisson
  - Request food be ready at 12:00 sharp, otherwise no further discussion.
- Section PO Box
  - PO Box key fobs given to Brady Korwin by Andrew
- Toothpick Bridge
  - No updates
- Sponsor Logo PowerPoint, Website, LinkedIn, etc.
  - Rose to look into value adding updates for sponsors
- Cloud Account/Document Storage
  - Tabled pending Google Drive vs One Drive Discussion
- Position Descriptions
- Craig Bursch Submitted Gov. Relations Chair description and policy on ASCE fly in reimbursement. Review Tabled until next meeting.
- Ethics Presentation
  - Happening 3/4/2020
  - Expected good turnout (150 max)

### **Matrix Review**

- No updates



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## **ASCE Duluth Section Board February Meeting Minutes - continued**

### **New Business**

- Past President gift
  - Andrew to talk with Joe Butler to determine appropriate gift with value of around \$100.
- John Safstrom Memorial service gift
  - Look for update for memorial service at Knife River Lutheran. Planned for early April.
  - Need to remove John Safstrom from email list
- ASCE webinars
  - Andrew Kilpo sent links to Webinars that will be beneficial to board members.
- Board positions discussion
  - Discuss elimination of President Elect position
  - Current projection is for 2 open position in next cycle (Secretary and President Elect)
  - If position were eliminated, it would be president elect, and their duties would be split amongst other board members.
- Constant Contact sometimes being flagged at spam.
  - Send invite at link with preferred ASCE email
- Currently most board members use professional email
  - Discuss merit of position specific emails (ASCEduluth\_President@gmail or similar)

**Next Board Meeting:** Wednesday March 25, 2020 @ 4:30 - Thirsty Pagan Brewing, Superior

**Adjournment:** Motion made at 5:50pm by Andrew Kilpo and seconded by Brady Korwin

# YMG Update

Duluth Section Younger Member Group

March 2020

## The YMG Rundown



On February 22<sup>nd</sup>, the ASCE Duluth Section Younger Member Group hosted their 5<sup>th</sup> Annual YMG Curling Event. In total, 8 people attended in addition to the YMG Board Chair, Pete Demshar. The event was a good opportunity to get out and network with other Younger Members, while enjoying some light-hearted yet still competitive fun. Thanks for coming out!



## Upcoming Events

...

Past YMG Chair Meeting

Tour to Hibbing Mine View

(date/time/location for events to follow)

## Like the YMG FB Page!

...

<https://www.facebook.com/groups/1574852259492720/>

## Find us on LinkedIn!

<https://www.linkedin.com/in/asce-duluth-section-ymg-682329196>

## Current YMG Board

...

Chair – Pete Demshar  
Barr Engineering Co.  
([PDemshar@barr.com](mailto:PDemshar@barr.com))

Vice Chair – Ben Helmer  
Meyer Borgman Johnson (MBJ)  
([bhelmer@mbjeng.com](mailto:bhelmer@mbjeng.com))

Membership Chair – Ed Welch  
Minnesota Dept of Transportation  
([edward.welch@state.mn.us](mailto:edward.welch@state.mn.us))

Community Relations Chair –  
Rose Henkel  
Short Elliott Hendrickson (SEH)  
([rhenkel@sehinc.com](mailto:rhenkel@sehinc.com))

## **ASCE - DULUTH SECTION SCHOLARSHIP GUIDELINES**

**OBJECTIVE:** To present up to two \$1500 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 1<sup>st</sup> 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 22<sup>nd</sup> 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 April board meeting.
4. The scholarship winner will be announced in the May newsletter and shall receive the scholarship at the May section meeting.

### **REVISIONS TO THE ASCE-DULUTH SECTION SCHOLARSHIP GUIDELINES:**

1. The objectives, eligibility requirements or the scholarship review guidelines maybe 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:

Return to: ASCE Duluth Section Secretary by March 22<sup>nd</sup>:  
braden.korwin@gmail.com



# UMD Civil Engineering Seminar Series

**Fridays, 12:00 PM, SCiv 231**

|   |  |
|---|--|
| <b>January 29th:</b><br><b>*Wednesday</b><br><b>*SCiv 265</b> | Incorporating New and Sustainable Concrete Materials into National Building Codes<br>By: Stephen Foster (University of New South Wales)                      |
| <b>February 7th:</b>  | Computational Tools for the Analysis of Stability of Embankments in Frictional-Cohesive Soils<br>By: Carlos Carranza-Torres (University of Minnesota Duluth) |
| <b>February 21st:</b>   | Fun and Innovative Structural Designs in High-Seismic Regions<br>By: Ken Ogorzalek (KPFF)  |
| <b>March 6th:</b>   | University of Minnesota Duluth Graduate Students   |
| <b>March 20th:</b>  | Size Effect in Reliability Analysis of Concrete Structures<br>By: Jia-Ling Le (University of Minnesota Twin Cities)  |
| <b>April 3rd:</b>   | Autonomous Intersection Management: Conflict-Point Optimization and Pedestrian Access<br>By: Michael Levin (University of Minnesota Twin Cities)             |
| <b>April 17th:</b>  | University of Minnesota Duluth Graduate Students   |



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