



Civil Engineer
THE NEWSLETTER

October 2020

**CHECK OUT THE
NEW ASCE
YOUTUBE
CHANNEL!**

https://www.youtube.com/channel/UC_aovGv4_hqW6wbx2JBbFi1Q

**UPCOMING
EVENTS**

October

**30th—YMG
Mentorship Program
Kickoff Event**

November

TBD—ASCE Meeting

From the President



It certainly was a strange summer, but I'm excited for fall weather and football. The Section had its first virtual meeting of the 2020-2021 year – a presentation from Greta Zornes of CDM Smith on Wastewater Based Epidemiology to Manage COVID-19. I look forward to when we can meet in person again, but unfortunately, that won't happen until at least January except for some socially distanced community service activities.

The national ASCE office has recommended no in-person events through the end of the calendar year unless critical to desired objectives. For the safety of our members, the Board has agreed to follow this recommendation.

But just because we're not meeting in person, doesn't mean we won't be active! We've had a lot of success using Microsoft Teams for our monthly meetings and we'll continue to do so. The Younger Members Group has hosted a number of fun online events such as trivia, bingo, Taboo and a wine & paint night.

Since we won't be meeting in-person for a while, we finally announced that our 2019 Project of the Year was the Westwood Street and Storm Improvements project (Owner: City of Westwood, Engineer: Uhl Engineering, and Contractor: Kansas Heavy Construction) and our 2019 Civil Engineer of the Year was Holly Lehmkuhl of George Butler Associates. Also, we have 12 new Life Members in our Section. Lastly, we recently found out that Neila Seda, our YMG President, won the 2020 Region 7 Outstanding Younger Member award. Congratulations to all of them and thank you for your dedication to the civil engineering profession!

Save the date for our centennial banquet which will take place on Saturday, April 24th at the Kansas City Club. We'll also have a social outing and a community service event to celebrate this tremendous milestone. Watch out for emails for details on these events.

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We're always looking for volunteers, so if you're interested in getting more involved, please reach out to me or any of our officers.

Stay safe and go Chiefs!

- Stephen Stinger

KC Section Volunteer Opportunities

ASCE Positions (contact [Stephen Stinger](#) or [Joe Sturgeon](#))

- Life Member Involvement Chair
- Membership Committee Chair
- Diversity & Inclusion Committee Chair

EWRI Positions (contact [Anthony Sherman](#))

- Chair Elect
- Treasurer
- Co-Dinner Chair
- Co-Webmaster



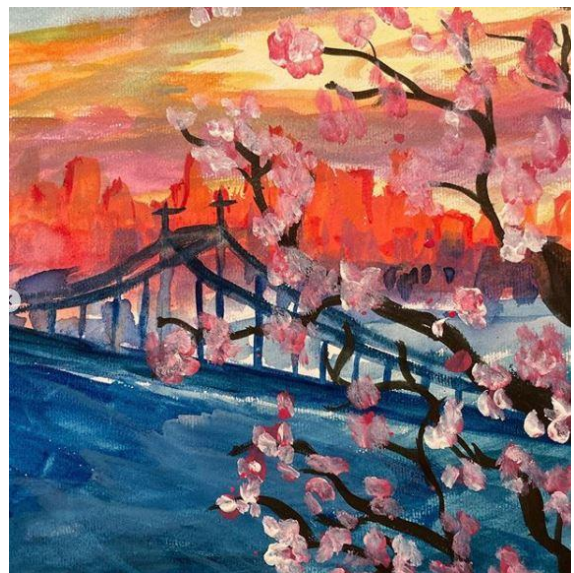
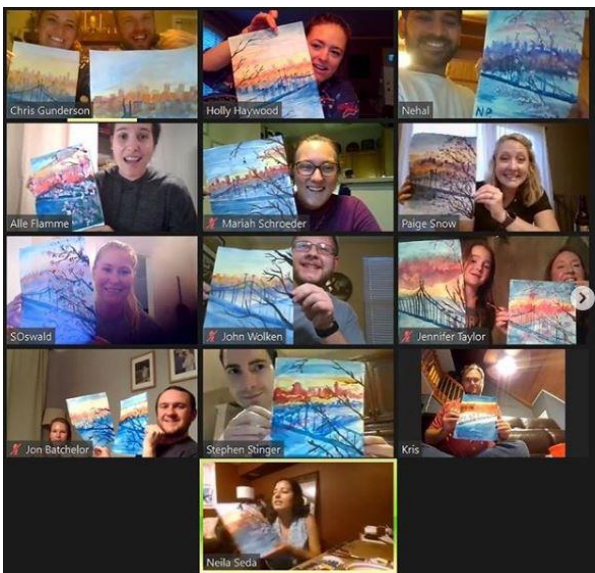
ASCE Younger Member Group Update

Our Younger Member Group has been working hard to provide virtual programming to our members. Thank you to our 17 YMG Officers who have shown incredible dedication and creativity so far this year!

This summer, our Social Chairs hosted Virtual Bingo (June 30th), Virtual Trivia (July 29th), and Virtual Taboo (August 19th).



We also hosted a Sporting KC Virtual Watch Party on September 2nd. YMG members tuned in with their favorite tailgate snacks and beverages to watch Sporting Kansas City take on FC Dallas. Then, we channeled our inner-Bob Ross and tried our hand at watercolors with a Virtual Wine and Paint Night (September 16th). Thanks to everyone who signed up for a kit and tuned in to paint our civil engineering bridge scene!



Upcoming Events:

- TBD - Annual Charity Golf Tournament - Postponed, pending additional communications with KC STEM Alliance on final decision due to the Coronavirus.
- TBD - Sporting KC Game & Tailgate. Registration details will be provided at a later date after the game is confirmed pending the revised season schedule in the wake of the pandemic. Please keep an eye out for updated information as we get closer.

Missouri S&T ASCE Student Chapter

As we hit the fall 2020 session at Missouri S&T this is certainly a time of change, disruption, and adaptation for us all. The S&T students have a 150 year legacy of setting a path to be leaders in the field and adaptable to situations. This fall has been a continuation of that legacy. With roughly 50% of our education on line, we are making our way through and the total campus cases is still under 100 for the entire S&T campus, with under 10 active cases. We all hope the numbers stay at bay!

Our student chapter certainly hit the ground running this fall, with picking up with meetings and service activities. Picture of the student officers maintaining our distancing in Butler Carlton Hall and hosting speakers from across the US virtually, our first meeting had over 65 members in virtual attendance.

While the COVID pandemic is without question impacting all we do, the entire Civil, Architectural and Environmental Engineering Department is looking to keep moving forward. The Fall 2020 career fair was entirely on-line, and was considered to be a success for sure. S&T had over 320 companies participating and looking for new Miners to join their companies. CArEE programs had a great turn out with over 120 companies searching CArEE graduates and interns. Prior to the Career Fair, the CArEE night to network connected over 80 students and employers in discussions on career advancement and tips and tricks for the virtual world job hunt.

We have completed the construction project on the Clayco-Advanced Construction Materials Laboratory (ACML). The \$7.5 million addition to the Butler Carlton Civil Engineering Hall that will provide 16,000 ft² of additional teaching and research space for our students, faculty and collaborators. Support from Clayco, ARCO, Concrete Strategies, The Sunderland Foundation, NUCOR Steel, and many proud Miner Alumni made the project possible. The dedication of the new facility will be October 16th at 4:00, Contact CArE@mst.edu for details on the event and directions to join online.

We are also expanding our programs, including online courses to join our existing distance education degree programs. We have new certificate programs starting in 2021 include:

- **Advanced Materials for Sustainable Infrastructure.**
- **Building Systems Engineering.**
- **Surface Water Resources**

The future is shrouded in questions and uncertainty, but we are resilient and fully back on campus in Rolla MO this fall, as well as projecting programs through our online programs. Our full listing of opportunities is at: <https://distance.mst.edu/care/>, for our graduate distance programs, ranked. Ranked in the top 25 in US News. We are always looking to provide premier education for our beloved profession. Whatever the future holds, our students and alumni will be there to help shape the future of our profession and our world.

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Infrastructure Renewal
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Missouri State ASCE Student Chapter

Chapter Update

ASCE Student Chapter at Missouri State University is not one of the largest chapters in the region but it has been actively involved in wide-ranging activities. Some of these are competing at the conference level, getting involved in the professional development of its members and officers, working on community-oriented projects, volunteering for educational outreach activities, and representing the Cooperative Engineering Program of Missouri State University and Missouri S&T at numerous university-level events. The on-going pandemic may have disrupted conference competitions but the spirit of this group is still high and they are hoping for a better time ahead. This article provides updates on the latest batch of officers, the canoe team, and upcoming activities of the chapter.

Officer Bios

Erin Bereyso – President

Erin is a senior and will graduate in May of 2021. Erin is currently an Environmental Intern for Associated Electric Cooperative, Inc. where she works on permitting and compliance for electric generating facilities and environmental support for engineering projects related to Coal Combustion Residuals. Outside of school and work, Erin enjoys volunteering at farm sanctuaries and caring for five rescue pigs of her own. As President of the chapter, Erin is responsible for organizing events, meetings, and maintaining contact with the chapter and professional advisors.

Caleb Freeland – Vice President

Caleb is a senior currently employed at City Utilities working on gas distribution lines and ensuring compliance with corrosion standards. Outside of work, Caleb gives back to his community by volunteering weekly at Convoy of Hope and by coaching high school soccer. As vice president, Caleb works to find activities for the chapter, helps organize monthly meetings, and is responsible for recruiting incoming students.

Josh Burris - Secretary

Josh is a senior and an intern in the Civil Engineering department at Toth and Associates. He has worked on-site design, stormwater infrastructure, and GIS mapping. As secretary, Josh is responsible for documenting meeting notes and taking attendance.

Andrew Hood - Treasurer

Andrew is a junior and currently works full time as an Environmental Health & Safety Specialist. In his free time, he enjoys playing ice hockey, hiking, and camping. After graduating, Andrew plans to continue with graduate school in Environmental Engineering and Management.

Faculty Advisor

Dr. Sanjay Tewari is the new faculty advisor of the chapter. Before joining the Cooperative Engineering Program, he mentored and advised the ASCE student chapter at Louisiana Tech University. Dr. Tewari is actively involved with multiple ASCE national committees and enjoys teaching civil and environmental engineering classes. Outside of his assigned responsibilities, currently, he is working on a US Environmental Protection Agency sponsored project, which is a collaboration between MSU and S&T.

Concrete Canoe

While the Concrete Canoe Team was unable to compete this year, before shutdowns the team managed to fully cast their canoe. This summer the captains, Nick Thorsen and Jon Galvez managed to get a group together and break the canoe out of its mold fully intact! The 2019-2020 Concrete Canoe took on innovative, new design techniques for optimal hydrodynamic properties while still maintaining a strong structural mix design perfected by Hunter Stepp. As disappointing as it is that the canoe was not put to the ultimate test, it can be assured that it would have given other teams a run for their money. The passion and dedication of the MSU/S&T Cooperative Engineering Concrete Canoe Team members have left something to be admired. They are the true definition of what it means to be a MinerBear!

Recent and Upcoming Activities

September Monthly Meeting: Our speakers were Dane Seiler, PE, PTOE, and Justin Orf, EIT. Dane is the President at CJW, a transportation engineering and consulting firm and Justin is a recent hire at CJW. They discussed current projects at CJW and the transition from student to professional life.

October Stream Cleanup: Missouri State ASCE Chapter is hosting a Stream Cleanup event at Jordan Valley Creek in Downtown Springfield. Meet on Saturday, October 24th at 10:00 AM by Hotel of Terror for two hours of community service.

William Jewell College ASCE Student Chapter

My name is Jarrett Skaggs and I have been the president of William Jewell College's ASCE Chapter since last November. One of the unique things about William Jewell is that its small size allows its students to participate in multiple extracurriculars. In addition to being the ASCE president, I am also a member of student senate, one of the heads of our College Union Activities planning board, and a scholarship athlete on the football team. The other members of my cabinet have intense involvement as well. They represent 2 sports, band, one sorority, and one fraternity, as well as many other peer groups, such as the International Student Association.

As a student chapter, we attended the 2019 ASCE conference at the University of Oklahoma but did not compete because it was our first conference. This helped us to plan for the 2020

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conference, for which we had expected to compete in the steel bridge competition and the Geo- Wall competition. We also had a senior student, Whitney Holloman, who had planned to give a presentation. Unfortunately, we were not able to make our conference debut due to COVID, but our preparation work has laid the groundwork for a very successful 2021 conference. We will be hosting the conference in 2026.

We have had many opportunities to visit different work sites. A small group of us toured a McCown-Gordon site where an expansion to Truman Hospital was being built. Another group toured a Decker Construction site and saw holes that were being dug to allow for the digging of sewage tunnels. In other instances, students had the opportunity to tour the Liberty Water Treatment Plant and the Liberty Wastewater Treatment Plant. These experiences, while being fun, also provided us with chances to see how our classroom knowledge will be applied in “the real world.”

Outside of engineering-specific activities, our chapter has had several unique opportunities. We have had team building events at the Tucker Leadership Lab, which is an on-campus high-ropes course. This helped us to strengthen our intra-major relationships. We had the good fortune to teach elementary school students about Civil Engineering at Primitivo Garcia Elementary School. We ran different experiments with them, including: simple-media water filter and foil boat. The children constructed their projects themselves and we assisted. We also constructed mouse-trap cars with them. This experience was outstanding because it allowed us to help children get interested in science from a very young age.

Our chapter may be young, but we are actively working to better ourselves and our community. I am excited to continue to serve my ASCE chapter.

Below are some pictures from our chapter’s activities, as well as a personal headshot.

