

CIVIL SOURCE

ASCE UTAH SECTION NEWS LETTER

OCTOBER 2023

President's Message

By Sarah Albano, P.E. (salbano@integral-corp.com)

Apologies for the delayed September newsletter. ASCE is transitioning email distribution providers and we had some challenges navigating that last month. So far this fall in addition to branch activities, Section leadership have attended the Region 8 Assembly Meeting in Helena, MT in August (Region 8 consists of the 12 Sections of Alaska, Arizona, Columbia, Hawaii, Inland Empire, Montana, Nevada, Oregon, Seattle, Southern Idaho, Tacoma-Olympia, and Utah, and the Western Canadian areas of Alberta, British Columbia, Yukon, and the Northwest Territories) and the Presidents and Governors Forum in Reston, VA in September.

Events coming this month and early next include:

- October 18-21, 2023- Annual Convention in Chicago, IL
- October 30, 2023 - Mixer with 2024 President Marsia Geldert-Murphey speaking at the University of Utah.
- November 1, 2023- Civil Engineering Banquet with the Southern Utah Branch
- November 7, 2023 - University of Utah Career Fair

Keep an eye out for details for the upcoming events.

National STEM Challenge

ASCE has been invited to participate in a National STEM event for middle and high school students. The 2024 National STEM Challenge needs help evaluating and providing feedback on student projects in the Environmental Stewardship and Powering the Planet categories! The National STEM Challenge presented by EXPLR, is a nationwide challenge designed to cultivate creativity, critical thinking, and a love for STEM among middle and high school students. With schools in every state and a national network of more than 100 student-serving organizations taking part, we are expecting approximately 20,000 student submissions.

The digital review process will take place in November-December 2023 with each volunteer reviewing between 10-12 projects. Top-scoring STEM Champions will be invited to participate in the 2024 National STEM Festival in Washington D.C., co-presented by the U.S. Department of Education and EXPLR.

Here's a link to the Festival Review Panel interest form.

ASCE Partners

Membership renewals are coming due and one program I was recently reminded of was the ASCE Partners program. This program provides savings on membership dues and provides additional benefits. There are 3 aspects to the program:

1. Partners: for organizations with at least 50 members
2. Associate Partners: for organizations with 4-49 members
3. Government Engineers: for Departments of Transportation and other government organization

If you aren't a member of ASCE already, I encourage you to join and if you are a present member, please renew and look for people to bring into the organization. Membership benefits include technical resources, news and information from technical institutes, information about local and federal government with regards to civil engineering, member discounts and career resources. More information can be found on ASCE's website at <https://www.asce.org/membership>.

Member Value

NEWS AND INFORMATION



TECHNICAL RESOURCES



ADVOCACY AND ENGAGEMENT



MEMBER EXCLUSIVE DISCOUNTS



CAREER RESOURCES



MARSIA GELDERT-MURPHY

ASCE 2024 PRESIDENT



October 30th, 2023

5:30 - 7 PM: Networking Reception

7 - 8 PM: Presentation and Q&A

Catmull Gallery, Warnock
Engineering Building

*REGISTRATION DEADLINE
OCTOBER 23, 6PM*

An ASCE member since 1990, Geldert-Murphy is the former chair of the Public Policy and Practice Committee. She served on the ASCE Board of Direction from 2016-2019 as the Region 7 director. Her extensive ASCE activities include service on several Society-level committees such as program and finance, leader training, & diversity and women, as well as serving as a mentor. She also led the St. Louis Section as president in 2006.



ASCE
STUDENT CHAPTER
University of Utah

NORTHERN UTAH BRANCH UPDATE

Kamilla Schultz, P.E. (kamilla.schultz@sunrise-eng.com)

Thanks to all to came to the opening social. It was a lot of fun despite the rainy weather. It was nice to catch up with everyone and get to know a few new faces.

We will be having a game night networking opportunity this month on October 18th. Watch for an email to be coming with more details. Students and Professionals are invited. We will also be sending information from USU Student Chapter for the 2024 Intermountain Southwest Student Symposium coming up this April, as well as other student events coming up.

Central Utah Branch Update

Ben Gray (begray@genevarock.com)

From the Central Utah Branch Presidency we want to thank all those who attended our October luncheon. We also want to especially thank AECOM for their presentation and their donation to our branches scholarship fund!

Put on your calendars our next luncheon in November (info below). We are excited to welcome Flagship Homes and their engineering group to discuss the upcoming Utah City development in Vineyard City.

Upcoming Luncheon
Utah City Development Presentation
November 9th, 2023 - 12pm
730 N 1500 W, Orem, UT 84057

ASCE UTAH 2023-2024 SECTION AND BRANCH LEADERSHIP

ASCE UTAH SECTION	ASCE UTAH SECTION Northern Job Branch	ASCE UTAH SECTION South Job Branch	ASCE UTAH SECTION Central Job Branch	ASCE UTAH SECTION Southern Job Branch	ASCE UTAH SECTION YOUNG PROFESSIONALS FORUM	G-1 200 MEMBERS Utah Chapter
 SARAH ALBANO President	 KAMILLA SCHULTZ President	 DIMOND ZOLLINGER President	 BEN GRAY President	 MATT ROBERTS President	 PEDRO MONTESINOS President	 JACOB SMITH Chair
 LINKUN LI President Elect	PHOTO COMING SOON LANCE HOUSER President Elect	 ANDREW TVETZCOFF President Elect	 TROY HANKS President Elect	 BOB LAMOREAUX President Elect	PHOTO COMING SOON VACANT President Elect	PHOTO COMING SOON NICK LANGFORD Vice Chair
 JASON SMITH Secretary/Treasurer	 JESSE MOTT Secretary/Treasurer	 STERLING WOODRUFF Secretary/Treasurer	 CALEB ALLRED Secretary/Treasurer	PHOTO COMING SOON VACANT Secretary/Treasurer	 AUSTIN WHITE Treasurer	  CONRAD GUYMON Chair
PHOTO COMING SOON VACANT Secretary/Treasurer Elect	 JACOB AMES Past President	 CHAD KITCHEN Past President	 JOSHUA REIDHEAD Past President	 RHETT BEAZER Past President	 REBECCA CROSMAN Secretary	
 LEEANN MILLER Past President					 ANNA ROBERTS Past President	

The Magic of Sewers

by T. Dimond Zollinger, PE, M. ASCE (Dimond.Zollinger@slcgov.com)

Hello everyone, my name is Dimond Zollinger and I am the current President of the Wasatch Front Branch in the Utah Section of ASCE. I am also a Water Resource Engineer currently in the capacity of Sewer Collections Program Manager for Salt Lake City. So yes..... I am going to take this opportunity to discuss a very important subject that everyone in the history of the world has had to deal with! Yes, I am going to speak about Poop! In particular, I would like to discuss the “Magic” behind the removal of poop from our lives. The “Magic” in this equation is the modern-day sewer systems that each of us contribute to multiple times a day and typically never think about.

Sewer systems are often underappreciated marvels of modern engineering, and they play a critical role in maintaining public health, protecting the environment, and sustaining the quality of life in urban areas. These systems are sophisticated, consisting of a network of pipes to collect the waste, pump stations, odor & gas treatment, and Wastewater Treatment Facilities. The operation and maintenance processes often require entire departments of personnel who are present 24/7/365 to monitor and maintain them.

One of the most critical functions of sewer systems is in safeguarding public health. The systems swiftly and hygienically remove human waste and wastewater from our homes and communities, preventing the spread of waterborne diseases. Historically, diseases like cholera and typhoid thrived in environments with poor sanitation. Due to the modern sewer systems many of these threats no longer impact our communities. These systems ensure the safety of our drinking water and mitigate the risk of epidemics.

Sewer systems also play a pivotal role in environmental conservation. By collecting and treating wastewater, these systems prevent the pollution of natural water bodies. Untreated wastewater can introduce harmful chemicals, pathogens, and excess nutrients into ecosystems, leading to the degradation of water quality and the destruction of aquatic life. Sewage treatment plants are equipped to remove contaminants, making it possible to return cleaner water to rivers, lakes, and oceans.

In today’s rapidly growing cities, like many that we live in, sewer systems are the lifeline. They facilitate population growth by providing a safe and efficient means of waste disposal. Without proper sanitation infrastructure, urban areas would struggle to maintain hygiene standards, leading to adverse impacts on the quality of life, public well-being, and economic development.

Thank you all again for taking the time to discuss Poop! Just because these systems are “out of sight, out of mind”, please don’t take them for granted. Many Municipalities and Districts are struggling to maintain their sewer infrastructure due to aging materials, urban growth, and more stringent EPA requirements. Investing in the maintenance and expansion of these systems is not just a matter of convenience but a fundamental necessity for the health and prosperity of our communities and the planet. Please don’t take the “Magic” for granted and remember to invest in our sewer infrastructure.

SUB Update

Matt Robers (mwroberts@suu.edu)

Great news! The civil engineering students at Southern Utah University have submitted their application to establish an official ASCE Student Chapter. Their hard work and dedication to the civil engineering profession is inspiring.

The Southern Utah Branch has supported SUU's civil engineering program over the years through various activities - holding an annual on-campus branch meeting, inviting students to monthly meetings in St. George, welcoming students to our Christmas party, providing scholarships, and giving students a platform to present at our annual Southern Utah conference.

We are thrilled to see the growth in SUU's civil engineering program, evidenced by the increase in student membership. As SUU works to obtain official chapter status, the Southern Utah Branch remains committed to actively supporting and engaging with these students through meetings, networking events, and more.

We hope Section members will join us in congratulating SUU on taking this exciting step forward. The Southern Utah Branch eagerly anticipates continuing to mentor the next generation of civil engineering leaders studying at SUU. Please reach out if you are interested in getting involved with the new Student Chapter.



Wasatch Front Branch Announcement

by Dimond Zollinger (Dimond.Zollinger@slcgov.com)

Salt Lake City LDS Temple and Temple Square Restoration Project Presentation to Wasatch Front Branch and Luncheon will be on October 27, 2023 at 12:00. Presentation and luncheon will be held at Westech Engineering Campus. Invitation and RSVP will be sent to email this week.



YMF Announcements

by Pedro Garcia (pedro.garciamontesinos@shanwil.com)

We had a great night of connecting with other professionals at our 2023 Fall Barbecue. We thank all of those who attended and particularly Mr. Matt Crouch with Berkel & Company Contractors, Inc who sponsored the food for the event.

November is going to be very exciting! We will have Dr. Kyle Rollins with BYU presenting for us his latest research findings on Large-Scale Testing of Reinforced Lightweight Cellular Concrete Backfill for MSE Walls. A date is still to be determined but we will publish it as soon as we pin it down.

As for volunteering opportunities we are still looking for President-Elect and a Practitioner

Advisor for the BYU ASCE Student Chapter, do not hesitate to reach out if interested! (asceutahymf@gmail.com)

ASCE