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SAME-MSP BOARD MEMBERS:

President	Erin Krug <i>U.S. Army Corps of Engineers</i>
Vice President	Sam Smith <i>U.S. Army Corps of Engineers</i>
Jr. Vice President	Cora Núñez Orta <i>U.S. Army Corps of Engineers</i>
Secretary	Eric Hentry <i>AECOM</i>
Treasurer	Dan Kvasnicka <i>HDR</i>
Past President	David Johnson <i>Houston Engineering, Inc.</i>
Directors	Ann Banitt W. Paul Waters Dave Ausdemore Steve Alm

VIRTUAL MEETING: 09.21.2022

Photon Therapy

1.0 PDH

This presentation will cover the background and applications of Proton Therapy and provide a breakdown of a typical Proton Facility with its various subsystems and equipment. It is intended for a technical audience new to this industry.

Presenter Biography

Mike Rahn is the Deputy Site Service Manager for Hitachi Particle Engineering Systems Proton Facility at Mayo Rochester, a post he has occupied since 2018. He graduated from the University of Wyoming in 1989 with a BS in Mechanical Engineering. Mr. Rahn has worked primarily as a Manufacturing Engineer in Automotive and Aerospace industries before joining Hitachi in 2005 as a Service Engineer at the then new MD Anderson Proton Center in Houston TX. The first Hitachi-equipped proton treatment center in the US, the MD Anderson site also boasted the first spot scanning system in the world. Working for Hitachi, Mr. Rahn has held responsibilities in equipment service and maintenance / commissioning and service management, and other Hitachi US sites such as St. Jude, Johns Hopkins and Mayo Phoenix. A native of South Dakota, Rahn is thankful to return to the northern latitudes of Minnesota after several years in Houston and enjoys many of the area activities including rock climbing, sailing/kayaking and viola.



Details: Wednesday, September 21, 2022, at 12:00pm-1:00pm CST

Cost: \$0

Location: VIRTUAL MEETING LINK: <https://usace1.webex.com/meet/erin.e.krug>

JUNE MEETING SUMMARY

The June post meeting was a year wrap-up, with an introduction of the new board members and a highlight of open positions. MSP Post Leadership presented an overview of 2021-2022 accomplishments and a preview of 2022-2023 activities, as well as the new leadership slate. The 2022-2023 leadership is excited to welcome a new year on the MSP Post board of directors and seeks to fill open roles to continue the posts mission (see page 7).

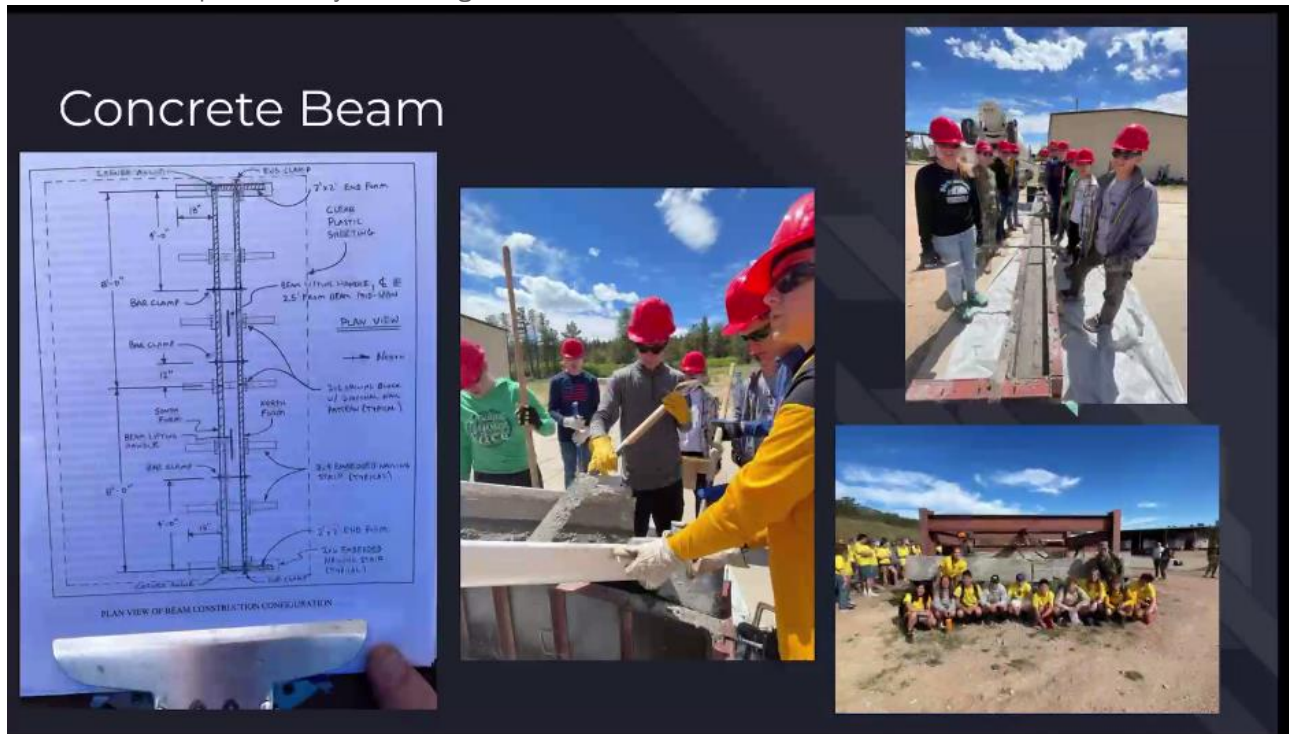
AUGUST MEETING SUMMARY

The August Post meeting included presentations from three high school students who were sponsored by the MSP Post to attend a SAME STEM Camp in June 2022 at the US Air Force Academy in Colorado Springs, CO. Izzy Cable and Caleb Wagner joined our membership meeting to share slides and photos from their experience. Teckla Wahlstrand created a video to share her experience with the MSP Post. Thanks to Izzy, Caleb and Teckla for your involvement in the August Meeting! Continued on next page.

AUGUST MEETING SUMMARY (CONTINUED)

Please be on the lookout and spread the word about future STEM Camp opportunities!

Concrete Beam contest presented by Caleb Wagner:

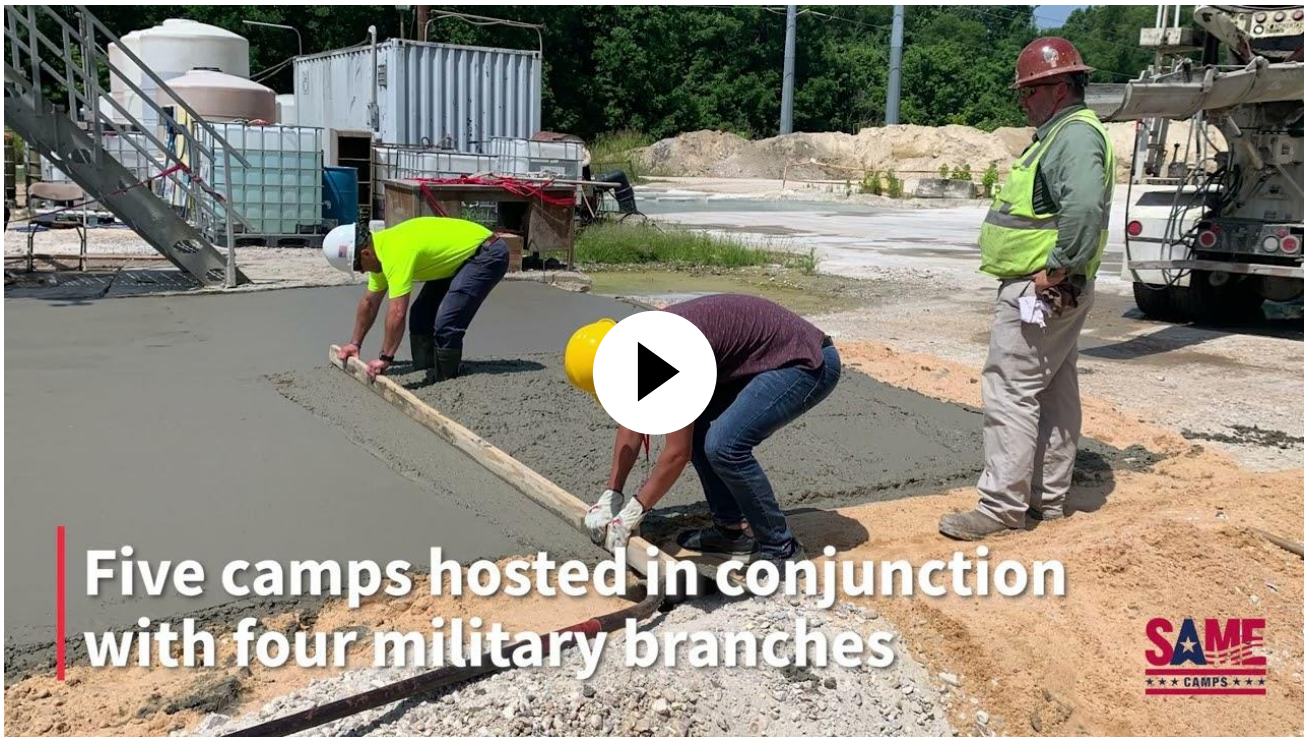


Team Photo presented by Teckla Wahlstrand:



2022 SAME ENGINEERING AND CONSTRUCTION CAMPS RECAP

The summer camps program wrapped up it's 2022 season with the theme "Immerse yourself in YOUR Future!" Over 200 students gathered in locations across the country where they challenged themselves by building concrete beams, operating drones and remote controlled submarines, using survey equipment, building cardboard boats, and much more! Check out the recap video [below](#). Camp nominations come from local posts; keep an eye out for the application period in February 2023.



This is also an amazing leadership development opportunity for Young Professionals members, or someone from a Sustaining Member Company. Many SAME leaders over the years have served as a camp mentor and applied the experience to their personal growth in their day jobs, and within their SAME career.

Interested in becoming a mentor? Contact Jeanine Finton, SAME Senior Programs Manager, at Jfinton@same.org for more information.

PRESIDENTS NOTE

Welcome everyone to September and the waning days of Summer! I am honored and excited to be the newest Post President. A big thank you to Dave Johnson who is our newest Past President.



We have great programming planned for this year to include some excellent speakers for our monthly events. As we are able, we are looking to hold some meetings and events in-person this year. We haven't had an in-person Post event in a while, and it will be great to see you all in person again soon!

As always, we are looking for volunteers to assist in a number of leadership positions. Volunteering with the Post is a great opportunity to challenge yourself, grow in your leadership, and make connections with our wonderful members.

Enjoy the last of Summer, and I look forward to an exciting year!

Erin Krug, P.E.
2022-2023 SAME-MSP Post President
erin.e.krug@usace.army.mil

SAME MSP POST SCHOLARSHIP AWARD

The Minneapolis-St. Paul SAME Post Scholarship Committee is proud to announce the 2022 scholarship recipient. The selection committee recommended awarding one (1) 4-year renewable scholarship at \$1,500/year (\$6,000 total) to this year's worthy and qualified candidate:

Elise Wendt – Elise recently graduated from Farmington High School, in Farmington, MN, where she was involved in a wide variety of activities including the swim and dive team, band (jazz and marching), and the St. John's Lutheran church youth group. She is also an active member of the community, where she teaches swimming and life guarding through the community education program. Elise will be attending the University of North Dakota, majoring in Forensic Science.

Please join us in congratulating Elise!

This year, we are also working to setup sponsoring/mentoring of scholarship recipients throughout their college careers. Please contact Coralys Nunez-Orta (coralys.n.nunez-orta@usace.amy.mil) if interested in serving as a sponsor/mentor.

A big thank you to the entire Post for your help in empowering our youth who are passionate about the STEM field!

MINNESOTA MILITARY FAMILY FOUNDATION GOLF CLASSIC

The [Minnesota Military Family Foundation \(MMFF\)](#) 13th Annual Golf Classic was held on Tuesday, August 9, 2022 at Bunker Hills Golf Club in Coon Rapids, MN.

The SAME MSP Post sponsored a hole with a donation of \$1,500. Dana Wagner from sustaining member firm Terracon Consultants organized a foursome for the event. The group included: Bob Watkins, 3M; Scott Seymour, Willis Towers Watson; and Eric Thoreson, The Okonite Company. Dana works with 3M on various engagements and with Willis Towers Watson on projects and deals requiring transaction insurance. Eric's company provides cable to clients in the power generation and transmission sector.



The MMFF recognizes the sacrifices military families make by softening the financial hardships that occur when a family member is deployed or otherwise serving our country. The MMFF provides a financial safety net. The MMFF is an all-volunteer board with zero overhead. To read testimonials from retired military personnel and families, click [here](#).



Apply for SAME National Leadership Development Program

The application process for SAME's fifth Leader Development Program class will open Oct. 1 and close the first week of Dec. Applications must be submitted electronically through a Post President. The class will be announced in February 2023. SAME's first Leader Development Program class began at the 2019 JETC in Tampa, and graduated in August 2020 in a virtual ceremony. Every year since, as one class graduates at JETC, a new class begins. Developed through support from the SAME Foundation, the Leader Development Program seeks to cultivate talent from within the membership to help support the development of the next generation of military, government, and industry leaders for our country, our profession, and our Society. Learn more about the program at www.same.org/ldp.

Federal Small Business Conference (SBC)

SAME's 2022 Federal Small Business Conference (SBC) is headed to Nashville, TN, November 2-4, 2022. This is your opportunity to connect with a community of leading experts, decision-makers, solution providers, business partners, and federal contracting officers. Learn more [here](#).

SAME Foundation Board of Directors Call for Nominations

The deadline fast approaches to submit nominations to the SAME Foundation Board of Directors. The three-year term for each board member begins on January 1, 2023, with an option for a renewal. The commitment includes four board meetings per year, plus committee assignments. The nominations were submitted earlier this week. Be on the lookout for voting in the upcoming months.

MINNEAPOLIS SAINT PAUL POST, 2022-2023 EDUCATIONAL GRANT PRESENTATIONS

The SAME MSP Post offers educational grants for up to \$3,000.00 for elementary and secondary schools each spring for the following school year for schools within a 100-mile radius of Saint Paul, Minnesota. One fundamental goal of SAME is to *promote an understanding of, and appreciation for, the engineering related disciplines and to help the young people in our communities be better prepared to become our future engineers.* The Minneapolis - St Paul Chapter of SAME looks for applications from schools and classroom teachers who are committed in supporting the math and sciences that support future engineering-related career opportunities. Applications for the 2023-2024 school year will be accepted and reviewed in spring 2023.

Moreland Elementary Arts and Health Sciences Elementary School was awarded a SAME grant. The funds will be used to purchase Lego Education SPIKE essential kits. These kits allow the students to learn coding principles with physical materials and prepares students for more formal instruction at higher ages. Congratulations to Moreland Elementary!



Above: Wade Carr presents a SAME award check to Teacher Caroline Beattie of the Moreland Elementary, Arts and Health Science Magnet School, Saint Paul, MN.



The White Bear Lake Early Childhood Program was selected as a SAME grant recipient. The grant funds will be used to purchase two Fairy Tale kits (to build a house that can't be blown down and a bridge that keeps goats safe from the troll) and eight Balls and Ramps kits (to send balls down durable wooden ramps) to develop science and math skills for over 400 early learners each year. Ms. Rodriguez of the White Bear Lake Early Childhood Program stated that they were beyond excited to receive the grant to help their District's earliest learners build a strong math and science foundation and thanked SAME for the learning opportunities the grant would provide. Congratulations to White Bear Lake Early Childhood Program!

Left: Kevin Denn (center) presents the award letter on behalf of SAME to Darcy Rodriguez (right) and Nicole Mersch (left) of the White Bear Lake Early Childhood Program

LEADERSHIP PROGRAMMING

MSP Post Events: The MSP Post is supporting SAME's national goal by hosting a series of leadership events in 2022-2023. The club is formatted so that each session is separable and is not dependent on the previous event. The Post welcomes any senior leaders to volunteer to facilitate a session on a book or video that meets their leadership passion. Any volunteers should contact Ann Banitt (ann.m.banitt@usace.army.mil) and we will work with your ideas for the upcoming leadership event!

September Event: Wednesday Sept 14th, 12-1PM

Webex Link: <https://usace1.webex.com/meet/erin.e.krug>

National Events: More leadership programming at the national level is offered as part of the **Leader Development Community of Interest (LD COI)**. The mission of the LD COI is to develop, execute, and track leader development activities across SAME enterprise in support of the 2025 SAME Strategic Plan: Securing America's Future, Together.

Learn more about this community and find details on upcoming events (listed below) at <https://www.same.org/membership-communities/communities-of-interest-list/leader-development-community/>. You will need to sign in to your SAME account in order to access the webinars.

September 13, 2022	Conversations with an Engineering Recruiter
September 14, 2022	Are You Prepared for Proposed Changes to the Davis-Bacon Act?
September 20, 2022	Post-Pandemic HVAC: How to Cut Energy/Maintenance While Improving Health/IAQ/Carbon Footprint
September 21, 2022	PFAS Regulations and Other Organization's Activities
October 13, 2022	Bio-Electro-Chemical Technologies for Sustainable Remediation of Contaminants, and Micron-Scale Carbon Injections Used to Remediate Residual Hydrocarbons

MARK YOUR CALENDARS

Twin Cities Habitat For Humanity

The Post donates \$2,000 annually to the Twin Cities Habitat for Humanity. Post members, friends and family have the opportunity to participate in a Homebuilding Volunteer Day coming in October.

Date: Monday, October 3, 2022
Time: 8:30 AM to 3:30 PM
Location: 3504 Elm Lane, Minnetonka MN 55305
Build Type: New Construction

All volunteers must sign up online ahead of time. Masks are optional, regardless of vaccination status.

Online Registration and Waiver – SIGN UP HERE

We are excited to have you share your time and talents with our community! Please sign up for your volunteer day and complete our online waiver at: <http://same.tchabitat.volunteerhub.com/>. You can find additional instructions for the sign-up process [here](#) and volunteer guidelines [here](#). If you have questions for Twin Cities Habitat for Humanity, you may contact our volunteer coordinator at volunteer@tchabitat.org or call 612-305-7114.

Additional questions? The Post's point-of-contact is Kenton Spading, P.E., voice/text: 651-272-7970, KSpading@Comcast.net

Minnesota Water Resources Conference

Dates: October 18–19, 2022
Location: [Saint Paul RiverCentre](#)

- ★ Immerse yourself in innovative, practical, and applied water resource engineering solutions, management techniques, and current research about Minnesota's water resources.



Minnesota Power Systems Conference

Dates: November 8–10, 2022
Location: [Saint Paul RiverCentre](#)

- ★ Stay abreast of today's power system technology in this three-day conference that emphasizes the unique challenges faced by electric utilities in the Midwest.



Conference on the Environment

Date: November 10, 2022
Location: TBD

- ★ This all-day conference brings together environmental professionals representing industry, consultants, government, and academia, in the areas of air quality, water quality, and waste management. Through keynote presentations and concurrent technical sessions, attendees will learn about new, relevant issues. The COE is co-hosted by the Upper Midwest Section of Air & Waste Management Association (A&WMA-UMS) and the Central States Water Environment Association (CSWEA). Check back at the website linked above for upcoming details.



Annual Concrete Conference

Date: December 8, 2022
Location: [Heritage Center](#)

- ★ Take advantage of networking and knowledge-sharing opportunities for practicing engineers, engineering faculty, consultants, contractors, concrete contractors, and state and county agency employees.



Annual Institute for Building Officials

Dates: January 18–February 2, 2023
Location: [Heritage Center](#)

- ★ Continue your education and get up-to-date information on Minnesota code rules and amendments, best practices for inspection and code administration, innovative products on the market, and useful professional development skills.



Structural Engineering Seminar Series

Dates: January 31–March 7, 2023
Location: TBD

- ★ **Credits:** 0.3 CEUs per session
- ★ Get up-to-date information on structural engineering topics, enhance your skills, and take advantage of networking opportunities.



WELCOME TO NEW OFFICERS, COMMITTEE CHAIRS, AND LIAISONS!



OPEN COMMITTEE AND LIAISON OPPORTUNITIES!

Here is a great opportunity for someone wanting to become more involved in a professional organization! The following are the open committee and liaison leadership roles that can be filled immediately:

Additionally, the following are the open committee and liaison leadership roles:

- Awards Committee Chair
- Programs Chair
- Membership and Small Business Chair

You can find a list of our current committee and liaison roles on our website at <https://www.same.org/Get-Connected/Find-a-Post/MPLS-STPL/Get-Involved/Committees>. Feel free to reach out to the person listed as currently holding that position if you have any questions about the role (email hyperlinks are included on the website). If you are interested in being part of the MSP Post leadership team, please reach out to Erin Krug at president@samemsp.org or to Sam Smith at vp@samemsp.org. Please consider volunteering and get more involved with our active Post!



THANK YOU!

Thank you to all our Sustaining Firms—we appreciate your support and want to make sure all our members are aware of it, too!

- ★ AECOM
- ★ Anderson Engineering of MN
- ★ Ayres Associates
- ★ Benham Design, LLC
- ★ Bergmann Associates
- ★ Burns & McDonnell
- ★ Cardno Inc.
- ★ CDG Engineers, Inc.
- ★ Cushing Terrell
- ★ Damon Farber Assoc.
- ★ DLR Group, Inc.
- ★ Greenstone Construction Inc.
- ★ Hammel Green and Abrahamson
- ★ Hanson Professional Services
- ★ HDR
- ★ Houston Engineering, Inc.
- ★ HR Green, Inc.
- ★ J.F. Brennan Company, Inc.
- ★ Kaiyuh Services, LLC
- ★ Landmark Environmental
- ★ Leo A. Daly
- ★ LS Black Constructors
- ★ Mortenson Construction
- ★ RSP Architects
- ★ SEH
- ★ Siemens Industries, Inc.
- ★ Stanley Consultants
- ★ Stantec
- ★ Terracon Consultants
- ★ Ulteig
- ★ Vann Companies
- ★ Wood

Did you know that as part of your sustaining membership we encourage you to talk about yourselves to our members? Please email Dave Ausdemore at dave@hsscsciences.com, if you would like more information on how to get involved!

