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UNSUBSCRIBE or SUBSCRIBE to the monthly newsletter.

## VIRTUAL MEETING: 05.26.2021

### Expanding Networks, Research, and Resources to Accelerate Climate Resilience in Minnesota 0.5 PDH

Building regional climate resilience requires increased cross-sectoral collaboration, regional coordination, diverse adaptation approaches, locally relevant and useful climate information, and targeted investments in education and capacity building. The Minnesota Climate Adaptation Partnership (MCAP) is dedicated to meeting these needs through a unique collaboration between university, public, non-profit, and private sector groups organized to support Minnesota's ability to adapt to a changing climate. MCAP is the only multi-sector, statewide group working on climate adaptation and we are actively looking for partners and opportunities to collaborate and help the state, and Midwest region, respond to and prepare for a changing climate. This talk will provide an overview of the work of MCAP and our planned growth and research priorities, including the development of high-resolution downscaled climate projection data for the state of Minnesota.

### Presenter Biography:

**Dr. Heidi Roop** is an Assistant Professor of Climate Science at the University of Minnesota and Minnesota's Climate Change Extension Specialist. She also co-leads the Minnesota Climate Adaptation Partnership (MCAP). Her research and Extension programs combine cutting-edge climate science, science communication and the principles of knowledge co-production to increase the use and integration of future climate change information in decision-making at a range of scales—from city and state to national and international levels. By producing actionable, relevant, and user-informed climate science products and tools, Heidi helps diverse stakeholders prepare for, and manage, the risks of a changing climate. Her climate science research has led her around the world where she has participated in research from Greenland and Antarctica to the mountains New Zealand and California. In addition to her appointments at the University of Minnesota, she also is an Affiliate Assistant Professor in the School of Public Health at the University of Washington.



**Details:** Wednesday, May 26, 2021 at 12:00pm-1:00pm CST

**Cost:** SAME Members: FREE, Non-Members: FREE

**Location:** ONLINE (details to be provided with Eventbrite receipt)

**RSVP:** <https://www.eventbrite.com/e/may-post-meeting-tickets-153883617041>

Please note, the MSP Post will continue to provide monthly programming on a virtual platform through spring 2021. The events will be free for all attendees. PDH credits will be provided when applicable, so please make sure you register for the event. The Post continues to evaluate the feasibility of holding in-person events in 2021 and will continue to keep members updated via the Post newsletter and website.

## SAME-MSP CLASSIFIED

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Mark your calendars, despite the pandemic, there are still some upcoming virtual events and opportunities!

### 2021 SAME VIRTUAL JETC

The Virtual Joint Engineer Training Conference and Expo (VJETC) 2021 will be an immersive virtual experience that showcases the best of SAME. From connecting with colleagues to enhancing your knowledge base, from

discussing the services and products from our exhibitors to strengthening your company and agency, VJETC is the place where it all happens. We invite you to grow, connect and excel during this virtual event made specifically with you in mind. For more information and to register, please visit: <https://www.samejetc.org/index.cfm>



### 2021 WEF STORMWATER SUMMIT

The 2021 Stormwater Summit will be held from **June 21-23, 2021** in Minneapolis, Minnesota. This Summit is crafted to deepen the technical knowledge of professionals involved in stormwater and provide forums where leading issues in the sector are discussed. The conference will include oral presentations, interactive discussions, pre-conference workshops, exhibits, mobile sessions, opportunities for networking in dynamic settings, as well as virtual components. For more information use the following link: <https://docs.google.com/document/d/13Qv2h-P4YuSXJJCqfH29i5rZNI5ajCmnmkvkeDbtFE/edit?usp=sharing>



### DONATIONS

Every year, the Minneapolis - St Paul Post of the Society of American Military Engineers (SAME-MSP Post) offers up to \$6,000 of educational grants to elementary and secondary schools. These grants serve to achieve a fundamental goal of SAME: "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 on-going coronavirus pandemic has had a big impact in our lives and in our fundraising capabilities. To continue supporting our STEM community, the SAME-MSP Post would like to respectfully request your help in the form of a donation. All donations will go towards helping us to achieve the goal of providing educational grants for the schools and classroom teachers who are committed in supporting the math and sciences that support future engineering-related career opportunities. Please consider [donating to the SAME-MSP Post's PayPal](#) if you can and help support the next generation of engineers. Thank you for supporting our community!

## PRESIDENT'S UPDATE

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Greetings fellow SAME members! I hope you are all staying healthy and enjoying the beautiful spring weather here in Minnesota. I am excited for warmer days, green grass, and the promise of a more “normal” summer.

Thank you to those of you who were able to attend our April meeting, where we had the privilege of having **Jeffrey Meek**, Sustainability Coordinator with the Minnesota Department of Transportation (MnDOT), as our second speaker in our series focused on climate resiliency. His presentation highlighted that climate change here in Minnesota means that we are getting more precipitation and our temperatures are on the rise. His team is conducting ongoing quantitative and qualitative vulnerability analyses to measure resilience, and subsequently, develop resiliency strategies for our state’s roadways. Thank you, Jeffrey!

Our upcoming May meeting, scheduled for Wednesday, May 26, 2021, will be our third, and final, virtual presentation in our series focused on climate resiliency. We are fortunate to have **Dr. Heidi Roop**, Assistant Professor of Climate Science at the University of Minnesota, joining us to share her insight on climate science and how she helps diverse stakeholders prepare for a changing climate. This meeting will also be our annual joint meeting with the Minnesota Association of Floodplain Managers (MnAFPM). Please share this great educational opportunity with others!

I also want to extend my gratitude to Allen Witt, MSP Post Director of Resiliency, and Samuel Smith, MSP Post Technical Programs Committee Chair, for organizing this informative and engaging series. Great work, Allen and Sam!

And as we enter the summer months, SAME-MSP will be hosting a meeting on June 15, 2021 that will highlight the accomplishments of the MSP Post over the past year, as well as voting on the MSP Post leadership for the upcoming year. Included in this month’s newsletter you will find a call for volunteers to help fill the leadership positions for the MSP Post. Please consider donating your time and talent - we would greatly appreciate it! The MSP Post will be taking July 2021 off to allow for transition between our leadership, and as a well-deserved break for our membership.

Please note the recent change in registration for our monthly meetings—we are now using Eventbrite! A link is included in this newsletter, as well as on our website. We understand that some of our members are having difficulty accessing the Eventbrite page due to firewalls on Government or corporate computers. **If you are unable to access the Eventbrite page to register, please reach out to Dan Kvasnicka** via email at [Daniel.kvasnicka@hdrinc.com](mailto:Daniel.kvasnicka@hdrinc.com) and he can get you registered via email. We don’t want you to miss out!

Finally, as many of us continue to work primarily in a virtual setting, I recommend that you also check out some of our neighboring Posts websites for additional educational and networking online opportunities. I feel this has been one of the positive changes for me as a SAME member—having the opportunity to interact with other Posts on a regular basis, without the barriers of travel and schedule constraints. Below are some links—please check them out!

- ★ Rock Island - <https://www.same.org/Get-Connected/Find-a-Post/Rock-Island>
- ★ St. Louis - <https://www.same.org/St-Louis>
- ★ Omaha - <https://www.same.org/omaha>
- ★ Denver Metro - <https://www.same.org/Denver>
- ★ Pikes Peak - <https://www.same.org/Pikes-Peak>

As always, I am honored and delighted to be your Post President. Please don’t hesitate to reach out to me or our Post Board if you have any questions or concerns. We are happy to support you!

**Lindsey Roberts McKenzie, PE**  
2020-2021 SAME-MSP Post President  
Email: [lroberts@sehinc.com](mailto:lroberts@sehinc.com)



# WELCOME NEW MEMBERS!

The following individuals have joined the SAME-MSP Post this month – thank you for joining us and welcome to the Minneapolis-Saint Paul Post!

★ Shawn O’Shea, MSA Professional Services

★ Maj. Andrew J. Anderson, 133rd Civil Engineer Squadron



## APRIL MEETING SUMMARY

Sam Smith – U.S. Army Corps of Engineers

On April 21st, Jeffrey Meek gave a presentation on improving infrastructure resiliency within the State of Minnesota. Mr. Meek is a Sustainability Coordinator in the Minnesota Department of Transportation (MNDOT) Office of Sustainability and Public Health. The presentation was focused on climate resilience. In Minnesota, changing climate means that it is getting wetter and warmer. Mr. Meek described ongoing quantitative and qualitative vulnerability analyses and efforts to measure resilience. Resilience strategies that can be implemented include defending, accommodating, retreating, and/or changing policy or practices. Examples of multiple different adaptation options were provided, such as installation of additional relief culverts under a roadway in a floodplain area to improve flow passage during high water events.



An overview of ongoing MNDOT climate resilience efforts is summarized in the slide below.

### Overview of Ongoing Efforts

- **Identify key performance measures** to track climate impacts on infrastructure
- **Social Vulnerability** – how to ensure climate adaptation solutions are benefiting those with the highest vulnerability (health, equity, access, etc.)
- Quantitative system-wide climate vulnerability assessment
- Qualitative vulnerability assessments in each District
- Pilot – Incorporating climate resilience into corridor plans
- Resilience Research
  - Changes in freeze thaw cycles and impacts to pavements
  - Climate adaptation for urban stormwater infrastructure
- Use of climate data to support “betterments” in emergency repair

## **CENTENNIAL CELEBRATION UPDATE**

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Jon Gustafson – Stantec

Over the past several months, the SAME Minneapolis-Post has included several articles in its monthly newsletters that showcase many notable Post achievements over the years. As we approach our Centennial Celebration on **May 22nd, 2021** at the Minnehaha Regional Park (see event flyer on **Page 08**), we will review these impressive accomplishments as inspiration for our Post as we enter a new era of service to our communities and nation. The amazing efforts of our volunteers and supporting organizations has made a tremendous impact on the lives of many.

### **PROVIDING SCHOLARSHIPS TO COLLEGE STUDENTS IN STEM PROGRAMS**

It is a priority of our Post to provide funding for students to pursue a STEM education and potentially a career in a STEM-related occupation. To this end, our Post has a long-standing tradition of hosting an annual, local golf tournament to fund college scholarships. Since 2010, the Post has awarded \$82,500 in scholarships to 32 students in their pursuit of a STEM education.

### **ALLOWING K-12 STUDENTS TO ENGAGE STEM OPPORTUNITIES BY PROVIDING EDUCATION GRANTS**

Over the years we have had the chance to support grades Kindergarten through 12th grade with projects ranging from rain gardens, weather stations, robotics, even bringing in a mobile planetarium into one school for young people to learn, enjoy and explore. Our annual educational grant program offers educational grants for up to \$3,000 to elementary and secondary schools within a 100-mile radius of Saint Paul, Minnesota, supporting the fundamental goal “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.” Since 2009, the Post has awarded over \$80,000 in grants.

### **SUPPORTING VETERANS**

The Post has supported the Minnesota Military Family Foundation (MMFF) since 2008. Over the years the Post has donated more than \$19,000. MMFF has organized their golf event such that 100% of sponsorships go directly to MMFF, of which approximately 95% of that goes directly to military members and their families. That means that over \$18,000 that the Post has donated has gone directly to military families in need.

### **CONTINUING THE PARTNERSHIP BETWEEN PUBLIC AND PRIVATE SECTORS**

Early in 1920, the first SAME posts were established, providing government and private colleagues opportunities to connect face-to-face, and establishing post-to-community relationships across the United States. This continues to be a cornerstone of SAME today, bringing together 30,000 public and private sector members supporting 105 Posts and more than 50 student chapters and field chapters around the world.

Most recently over the last several years, SAME has established more than 20 strategic partnerships to bring together a diverse membership base of professionals from different technical disciplines. These partnerships include the American Institute of Architects, Associated General Contractors of America, Paralyzed Veterans of America, National Consortium of Secondary STEM Schools and many others.

### **SUPPORTING THE VALUE OF VOLUNTEERING THROUGH SEVERAL ANNUAL OPPORTUNITIES**

The Post provides several volunteer opportunities for STEM outreach including at the Future City Competition (Minnesota Regional Championships judging and Elementary School Outreach) as well as Habitat for Humanity projects. The Post Scholarship and Grants for Educators Committees are additional opportunities to provide community service while expanding your professional network.

## CENTENNIAL CELEBRATION UPDATE (Continued)

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### HOSTING REGIONAL AND NATIONAL CONFERENCES

Over the last 40 years, our Post hosted major SAME events including the National SAME Conference (1984), Regional Conference (1995), the Great Lakes and Ohio Valley Regional Conference (2002), and, most recently, the National Joint Engineers Training Conference & Expo (2008). These events would not have been possible without the tireless effort and energy our members and other volunteers invested. These events coupled with annual Post events funded countless students and practitioners in their pursuit of success in the classroom and career endeavors.

### RECOGNIZING OUR POST'S FELLOWS AND REGIONAL AND NATIONAL SAME AWARD WINNERS

Recognizing our members for their great volunteer work and service to our Post and communities has been a priority. Last month's newsletter showcased those that have been nominated and received awards at the regional and national level. The list is impressive! The Post evaluates nomination criteria for regional and national awards on an annual basis and proactively seeks to recognize the great work our members do by nominating them for these prestigious awards. The Post is blessed with wonderful leaders in the A/E/C profession that continue to promote SAME's values and strategic goals both in our community and in their profession.

Congratulations to all our members and supporting organizations for making a difference for our communities and our nation! We celebrate you and what you have achieved.

### NEW POST POSITIONS

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Lindsey Roberts McKenzie – SEH, Inc.

Are you looking to expand your volunteer experience, or maybe work on developing a particular leadership skill? The MSP Post transitions its leadership during the summer, and this year we are looking for multiple volunteers to help fill these leadership positions, including elected officer positions, committee chair and liaison positions.

- ★ **Leadership Roles:** You can find a list of our current elected leadership roles on our website at <https://www.same.org/Get-Connected/Find-a-Post/MPLS-STPL/Leadership>.
- ★ **Committee and Liaison Roles:** You can also 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 Lindsey Roberts McKenzie at [president@samemsp.org](mailto:president@samemsp.org) or to David Johnson at [vp@samemsp.org](mailto:vp@samemsp.org).

The slate for the elected leadership roles will be voted on by our membership during the June 2021 membership meeting.

**THANK YOU!**

Thank you to all our Sustaining Firms – SAME-MSP appreciates your support and wants 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 Group

**Did you know that as part of your sustaining membership we encourage you to talk about yourselves to our members?** Please email Sherry Van Duyn at [svanduynd@landmarkenv.com](mailto:svanduynd@landmarkenv.com) or Dave Ausdemore at [dave@hsscsciences.com](mailto:dave@hsscsciences.com), if you would like more information on how to get involved!





MINNEAPOLIS-SAINT PAUL POST

# JOIN US...



## SAME-MSP BOARD MEMBERS:

- President Lindsey Roberts McKenzie *SEH*
- Vice President David Johnson *Houston Engineering, Inc.*
- Jr. Vice President Erin Krug *U.S. Army Corps of Engineers*
- Secretary Dan Kvasnicka *HDR*
- Treasurer Cora Núñez Orta *U.S. Army Corps of Engineers*
- Past President Jane Flewellen *Mortenson Construction*
- Directors Dave Ausdemore  
Ann Banitt  
Allen Witt  
Katy Thompson

## THANK YOU TO OUR EVENT CHAMPION SPONSORS:



...at the SAME-MSP Post's

## Centennial Celebration!

SAME turned 100 in 2020, and the SAME-MSP Post turns 100 in 2021. To recognize the history and accomplishments of SAME and the MSP Post over the past 100 years, we are organizing a celebration event!

**Date:** Saturday, May 22, 2021

**Where:** Minnehaha Regional Park, Wabun Picnic Area – Shelter D  
4655 46<sup>th</sup> Avenue S, Minneapolis, MN 55406

### Tentative Agenda\*:

**11 AM:** Check-in and Social Time

**Noon:** Lunch (box lunches available for purchase)

**1 PM:** Presentation from John Anfinson, recently retired Superintendent for Mississippi National River and Recreation Area (MNRRA). During this presentation, John will share the “**Secret History of Lock and Dam 1 in the Mississippi River Gorge**”.

There will be an opportunity to **tour Lock and Dam 1** following John’s presentation.

\*The picnic shelter is reserved from 9 am to 3 pm for our Centennial Celebration. Event attendees are welcome to explore the park and use the shelter before the check-in and after the presentation.

**Register by May 19!** [Click Here for Eventbrite Registration Page](#)

In consideration of others, this event will be held in accordance with current COVID-19 protocols.

If you have questions about this event, please contact Peter Allen at [Peter.Allen@stantec.com](mailto:Peter.Allen@stantec.com).

### SEEKING EVENT SPONSORS!

There are two sponsorship levels for this event, both support the Post’s Education and Mentoring Fund:

- ★ **Champion (\$500 Donation):** Sponsors will be recognized during the event and in remaining event marketing materials.
- ★ **Partner (\$250 Donation):** Sponsors will be recognized during the event.

Please contact Rachel Pichelmann at [rpichelmann@sehinc.com](mailto:rpichelmann@sehinc.com) before May 14, 2021 to sponsor this event. Thank you!