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Resilience: The Next Wave of Sustainability

Laura Millberg, LEED® AP BD+C
Principal Planner for Minnesota Pollution Control Agency

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Speaker Bio:

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Presentation Synopsis:

With evidence of a changing climate and economy all around us, it is time to examine the next wave in sustainability — resilient design. Resilient design addresses some of our most pressing questions: How do we adapt? How do we keep things from getting worse? How do we thrive in a rapidly changing and more challenging world? She will explore the issues, boundaries, and economics framing resilient design at multiple scales, from individual buildings to neighborhoods and communities. Resilient design tools and resilient case studies will be covered, including the recently developed Washington D.C. Climate Adaptation Plan, the Spaulding Rehabilitation Hospital, Resilient Economics for the Ford site, and Resiliency Best Management Practices for Cities.

Meeting Location:

LOCATION CHANGE: Lunch will be at Christos Greek Restaurant in the Union Depot with presentation held at 180th East 5th Street Building, St. Paul, MN 55101-Corporate Conference Center, Room B, Located on the 2nd Floor

Agenda:

Social time and lunch (if you so desire) will be from 11:30 AM to 12:30 PM. Buffet lunch will be served for $14/person including tax & gratuity, payable directly to Christos. Presentation will be from 12:30 PM to about 1:30 PM.

Please RSVP no later than Friday, March 18th, with your intent to either partake in the lunch or to come for the presentation only; this will help to ensure that an adequate amount of food is prepared. Either leave a message with Michelle Larson at 651-290-5632, click the RSVP button in the left-hand column of page 1, or send an email to Michelle.J.Larson@usace.army.mil.
During the February meeting, Captain Jessica Gustafson, of the US Air Force and Assistant Professor of Aerospace Studies / Operations Flight Commander, spoke about her engineering career with the Air Force. Captain Gustafson was a very engaging speaker and told us about all the amazing things she has accomplished in her Air Force career so far. Captain Gustafson graduated with a Chemical Engineering degree from Iowa State University and was commissioned as an officer through the AFROTC. While she expected her assignment as a Development Engineer to not be very exciting, she was very happy with all of the cool things she has done.

While stationed at Cape Canaveral Air Force Station Captain Gustafson was very involved with launching high visibility satellites, besides also being a tour guide which included keeping technical information secret while intelligence gathering representatives from non-friendly nations were tour guests. Her next awesome assignment was as a flight test engineer and test director for Airborne Early Warning and Control systems. Currently she teaches the ROTC cadets at the University of St. Thomas in St. Paul.

The 17th Annual SADBOC Procurement Fair is scheduled on Thursday, April 28th, from 9 AM to 3 PM in at the Earle Brown Heritage Center, 6155 Earle Brown Drive, Brooklyn Center, MN 55430. Small businesses interested in doing business with government agencies and prime contractors are encouraged to attend this Trade Fair. Coupling education with marketing strategies, this event will provide small businesses an opportunity to meet with representatives from Federal, State and local departments, commercial/prime contractors, and nonprofit organizations. Matchmaking registrations opens on Monday, April 4th.

The SADBOC Government Procurement Fair is sponsored by the Federal Executive Board’s Small and Disadvantaged Business Opportunity Council, in cooperation with Procurement Technical Assistance Center and U.S. Small Business Administration.

Register at https://www.eventbrite.com/e/17th-annual-sadboc-government-procurement-fair-tickets-19998910279

Readers,

Resilience in the face of adversity is vital to sustainability. There are many programs and initiatives that focus on strengthening resilience at the local, state, Federal, and global levels, but one common thread emerges — the need for collaboration amongst government and private section organizations. An often missed opportunity for strengthening resilience is the collaboration between government organizations as well as between private sector organizations. SAME provides a fantastic forum for government representatives and private sector representatives alike to network and grow professionally and personally. Resiliency in a professional organization is measured by how effectively learning and collaboration are integrated, which our Post does extremely well and is highlighted by our distinguished recognitions in 2 of 3 streamers we submitted. I am proud of our membership for their continued commitment and support through nurturing the collaborative experience at our regular meetings and special events. Thank you for taking the time to read our newsletter.

-Jon Gustafson, Post President
SAME MSP Post Scholarship Applications Are Now Available!

The 2016 Scholarship Application Forms are now available on the Grants & Scholarships page of the website, as well as via the links below. It is anticipated that there will again be three $1,500 scholarships available. The deadline for submitting scholarship applications is Friday, April 1st, 2016.

If you know someone who is deserving of a scholarship, please urge the young person to apply for one the Post’s scholarships. Applicants are rated in a number of areas including academics, school activities, and community activities. There are two categories of scholarships described as follows:

Two scholarships are planned to be awarded in what is called Category I, which is for high school seniors and post-secondary students who are children, grandchildren, or siblings, of members of the Minneapolis-Saint Paul Post. Sponsoring members must be a SAME Minneapolis-Saint Paul Post member for the current year and have been a member of the Post for a minimum of at least one year prior to the current year. Applicants must be registered as full-time post-secondary students in the fall of the year of selection and be majoring in an accredited engineering, science, math, or technology-related field and / or disciplines that will specifically support these fields of study.

One scholarship is planned to be awarded in what is called Category II, which is for all Student Members of the SAME Minneapolis-Saint Paul Post who will be registered as full-time post-secondary students in the fall of the year of selection.

Applicants under this category must be registered through SAME as a Student Member; student memberships are free for full-time undergraduates at an accredited college or university, or high school students. This scholarship will be a multi-year (4-yr max) renewable scholarship. The scholarship in this category will be awarded to a student in an engineering, science, or technology-related field.

A committee of Post members evaluates the applications. All applications are kept confidential, and only the winners are announced. For additional information, please contact Paul Dierking at paul.dierking@hdrinc.com or 763.591.5473. Scholarship Application Packages can be downloaded from the Post’s website at: http://same-msp.org/grants-and-scholarships/

SAME Educational Grant for Math and Sciences Grades K-12

The Society of American Military Engineers (SAME) is offering educational grants for up to $3,000.00 for elementary and secondary schools for the upcoming 2016-2017 school year for schools in the thirteen-county metro area. 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 is requesting applications from schools and classroom teachers who are committed in supporting the math and sciences that support future engineering-related career opportunities. We are encouraging all grade levels to participate. Applications for these grants will be reviewed on the following criteria: 1) creativity and quality of proposed project, 2) demonstrated demand or need for the project, 3) support of the Minnesota or Wisconsin math and/or science academic standards.

The deadline for the educational grant is March 31st, 2016. At the completion of the 2016-2017 academic year members of SAME would like to learn from the students on what they learned as a result of the grant. Elementary and secondary teachers / schools that are promoting the math and sciences in the thirteen county metro areas are encouraged to apply. For more information, please contact Chris Erickson at christopher.r.erickson@usace.army.mil or 651-290-5437 or go to http://same-msp.org/grants-and-scholarships/ For a listing of the grants that have been previously awarded go to http://same-msp.org/wp-content/uploads/2016/01/SAME_School_Grant_K-12_2016.pdf For the grant application go to http://same-msp.org/wp-content/uploads/2016/01/SAME_School_Grant_K-12_2016.pdf

Engineering Camps Announcement

SAME offers high school freshman, sophomores, and juniors the opportunity to attend a one week camp where they learn leadership, engineering and construction skills. The MSP Post would like to sponsor a high school student to attend either one of the following summer camp opportunities. The Post will pay the airfare and ½ the registration fee; the student’s family is responsible for the remainder of the registration. High school students that are interested in this opportunity should:

- Review the camp website(s) http://www.same.org/STEMCAMPS and the links to eligibility requirements and application forms so that all requirements are clearly understood, and
- Contact Peter Allen peter.allen@stantec.com or 651-604-4801 to submit your name as being interested in this opportunity.

From the qualified responders, the Post will select one attendee and one alternate; the alternate may be able to attend if the primary selectee is unable to attend or if additional space becomes available at the camps. Once the Post has selected an attendee and an alternate, the selectees will be given additional instructions for submitting the required applications. Applications must be submitted to Peter Allen by April 1, 2016. Please contact Peter Allen with any questions.
Explore Engineering Event—Thank You!

The Explore Engineering 2015-16 event held on February 11th at Valley Middle School of STEM was a great success! Pictured to the right is Lisa Buchli, engineer at USACE and representing MnAFPM, demonstrating the flood simulation system.

SAME also received a special thank you from Valley Middle School STEM:

“I just wanted to thank you both for everything you did to make Explore Engineering such a success. It was an amazing event for our community and I believe we achieved our joint objectives. SAME has made a huge impact on our STEM school. The 5 STEMday activities that you sponsored have, or will, impact over 1000 students and staff. Think about that, that's 5000 individual engineering problems solved that would not have happened without your support! That's a huge impact in and of itself. Now, throw in a community event like Explore Engineering,...wow! Thanks...Thanks...Thanks Please express my sincere thank you to all SAME members.”

Habitat for Humanity Event

Thank you to all of the SAME Member and UST Student Volunteers for coming out to SAME's Annual Habitat for Humanity Event on February 20th! We spent a great day painting and hanging drywall. See below for a few pictures of the fun day!