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The New 2022 Board of Directors

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Climate Change and the Effects on Flooding Frequency and Types

The SAME / ASCE Joint Meeting is scheduled for March 10, 2022 at 12 noon. This will be a virtual meeting presented on TEAMS.

After you register, a link will be provided to you

The cost is free to all members of ASCE or SAME.

The presentation is by Mr. Ray Wolf of the local office of the National Oceanic and Atmospheric Administration (NOAA) – National Weather Service in Davenport, IA.

The mission of NOAA is to understand and predict changes in climate, weather, ocean, and costs, to share that knowledge with others, and conserve and manage coastal and marine systems and resources.

Their work provides far reaching support to engineers who design buildings and building systems, flood protection and prevention, transportation facilities, crop sciences, water works, riverine and ecosystem scientists, etc.

Mr. Ray Wolf is the Science and Operations Officer for NOAA National Weather Service (NWS) in Davenport, Iowa. He is responsible for managing operations, staff training, and local research. Prior to arriving in Davenport in 1994, Ray was a forecaster at the National Weather Service (NWS) office in Denver, Colorado where he evaluated new forecast and warning science and technologies that formed the basis of the NWS Modernization. He also served as an agricultural forecaster in the MidSouth, supporting farmers and producers in the region with weather and climate information. Ray received an M.S. in Agricultural Climatology in 1985 and a B.S. in Meteorology in 1982 from Iowa State University.



New President's Message

ASCE updated its Code of Ethics effective October 2020. The Code preamble summarizes the fundamental guiding principles embodied in the Code of Ethics.

Members of The American Society of Civil Engineers conduct themselves with integrity and professionalism, and above all else protect and advance the health, safety, and welfare of the public through the practice of Civil Engineering. Engineers govern their professional careers on the following fundamental principles:

- *create safe, resilient, and sustainable infrastructure.*
- *treat all persons with respect, dignity, and fairness in a manner that fosters equitable participation without regard to personal identity;*
- *consider the current and anticipated needs of society; and*
- *utilize their knowledge and skills to enhance the quality of life for humanity.*



Membership to the American Society of Civil Engineers includes commitment to the Code of Ethics. The Code of Ethics is divided into five groupings – Society, Natural and Built Environment, Profession, Client and Employers, and Peers. This President's message focuses on the Profession grouping:

- a. *Uphold the honor, integrity, and dignity of the profession.*
- b. *Practice engineering in compliance with all legal requirements in the jurisdiction of practice.*
- c. *Represent their professional qualifications and experience truthfully.*
- d. *Reject practices of unfair competition.*
- e. *Promote mentorship and knowledge-sharing equitably with current and future engineers.*
- f. *Educate the public on the role of civil engineering in society; and*
- g. *Continue professional development to enhance their technical and non-technical competencies.*

These principles should be ever guiding our professional life and can be summed up in 'be professional, conduct yourself with integrity, be fair, and foster the profession'.

The last three planks in this grouping

- e. *Promote mentorship and knowledge-sharing equitably with current and future engineers.*
- f. *Educate the public on the role of civil engineering in society; and*
- g. *Continue professional development to enhance their technical and non-technical competencies.*

are related to planks in

Society– e. endeavor to be of service in civic affairs, Peers – f. Encourage and enable the education and development of other engineers and prospective members of the profession.

As we celebrate Engineer's Week and the engineering profession, I encourage each of us to reflect on the Code of Ethics planks shared in this article and how well we are reflecting these principles in our daily professional life. What can we do to improve? How can I promote the profession, encourage my peers, educate the public, and foster development of other engineers? Consider getting involved with Quad City Section ASCE activities so together we can better align our actions with our professional code.

Calendar and Upcoming Events

The Quad City Section leadership is working on a full slate of section meetings and tours to advance our members and the profession. The following Section calendar indicates activities currently in planning.

Date	Time	Topic	Speakers	Location
Feb. 25, 2022	8:00 AM to 5:00 PM	Virtual Engineering Conference	Many	Virtual
March 10, 2022	12 Noon to 1:00 PM	Climate change and Flood Risk	Ray Wolf	Virtual
April 19 2022	12 Noon to 1:15 PM	Area Capital Improvement Projects	Associated City Engineers	Virtual
May 18, 2022	After Work	The Waste Water Treatment Plant at West Lake	Roger Kean	In person
July 20, 2022	12 Noon to 1:00 PM	Partners of Scott County Watersheds- What Does the Data tell us?		Virtual

In order to reduce expenses, the Quad City Section sends its newsletters in electronic format only. If you are aware of a fellow Quad City Section Member that does not receive the newsletter, it means that ASCE National does not have their email address. To receive the newsletter, members must keep their email information current by contacting ASCE at 800.548.2723 or by visiting the Members Only section of the ASCE website at <http://www.asce.org/membersonly>. The Quad City Section does not sell email information to anyone. ASCE's Privacy Statement is available on the ASCE website.

A FINAL REMINDER THE QUAD CITIES ENGINEERING VIRTUAL TECHNICAL CONFERENCE

The SAME / ASCE Technical Conference is going to happen! Thanks to the hard work of several volunteers, excellent programming has been pulled together and scheduled.

The Technical conference will be held on February 25, 2022, from 8:00 AM until 5:00 PM. Fees are \$85 for members of ASCE or SAME, \$120 for non-members, \$60 for retirees, and \$25 for students.

Scheduled programming includes the following:

Pavement Management and Forensics, Instrumentation Case Study and inSar, Roadway/Infrastructure Improvements Enhancing the Amazon Development, Fargo Moorhead Project, Design of the US's Newest and Largest Cement Dome (Buffalo, IA!), Design and Detaining of Concrete Diaphragms in Buildings, Davenport Flood Study, Climate Change, Water Levels, and Dam Safety: Post Failure Analysis of Two Michigan Dams, I-74 Foundation and Mass Concrete, and so forth. In other words, the scheduled programming is comprehensive and suitably geared towards Civil and Structural Engineers. But, please note there will be additional programming for Mechanical and Electrical Engineers.

The Conference will be virtual. The Keynote Address will be on 100 years of Engineering in the Quad Cities.

The evening before the event there will be an in-person event for networking and socializing. How that will be safely managed will be announced.

This is an excellent opportunity to gain a significant number of those needed Professional Development Hours (PDH). Seriously, mark this on your calendar and make provisions in your schedule so that you can attend.

This year we are also teaming up with QCESC! Join us the night before the conference for networking and socializing. Also, upon registering for QCESC's STEM Celebration (<https://qcesc.org/stem-celebration/>), you'll receive a discount code for our Technical Seminar. Hope to see you there!

Here is the link to register:

<http://events.constantcontact.com/register/event?llr=4tjqan5ab&oeidk=a07ej04pu363c928e7c>



QUAD CITY
ENGINEERING
& SCIENCE
COUNCIL