



## ASCE/AGC Meeting Summary

### Week 13: Dr. Mike Mooney

November 17<sup>th</sup>, 2023

This meeting recap is intended to allow all ASCE/AGC members to stay up to date with the events that take place during our weekly meetings!

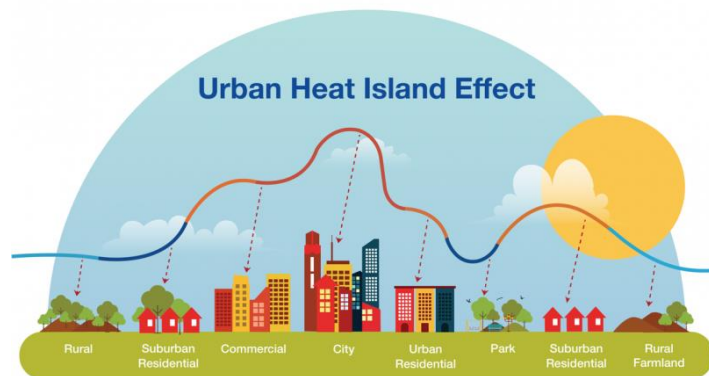
#### Announcements:

1. Join us on Friday, 12/1, from 12–1 p.m. in Hill Hall 202 for Officer Elections.
2. Officer elections for the Fall 2024 Semester are on 12/1. If you are interested in running, please contact Sam or Riley. The positions are listed below:
  - a. President
  - b. Vice President
  - c. Secretary
  - d. Treasurer
  - e. Connections
  - f. Outreach
  - g. Freshman Sophomore Rep
  - h. Webmaster
  - i. Historian
3. ASCE Student Symposium Competitions in Wyoming 2024
  - a. We are looking for people to join the following teams (Contact Sam or Riley if you are interested).
    - i. Sustainable Solutions
    - ii. Surveying
4. Graduation Stoles (Located in Jeff Holley's Office, CH197, \$15 cash only)
5. Volunteers are needed for Pour Day 12/7, and lunch will be provided for volunteers; use the QR code below to RSVP.



6. Follow us on Instagram: @asce.mines

### Civil Engineering Fun Fact of the Week:



The heat island effect is a major concern in urban areas, with daytime temperatures rising 1-7 degrees Fahrenheit and nighttime temperatures rising 2-5 degrees Fahrenheit. Some creative ways of preventing this include shade structures like those in the attached pictures, but there are other ways. Trees, green roofs, white pavement and rooftops, and water features can all alleviate the heat island effect.

### Today's Presenters: Dr. Mike Mooney

This week's presentation featured Dr. Mike Mooney, a Mines Professor, discussing civil underground engineering. Below are some topics covered:

- Civil underground includes shafts, which are used to gain access underground.
- Did you know that, according to the fire code, there needs to be an emergency exit every 500 feet in tunnels?
- Tunnels are used for a variety of things, from transporting stormwater to holding water, road tunnels, utilities, and train tunnels.

- The longest tunnel in the US is in Seattle, which contains a double-decker viaduct that used to run through the downtown area.

Thank you to our presenter, Dr. Mike Mooney! If you have any questions, you can contact him via email at [mooney@mines.edu](mailto:mooney@mines.edu).

Respectfully,

Andrew J. Hurter IV, ASCE-AGC Secretary, Fall 2023

*Have any questions? Feel free to email me @ [andrewhurter@mines.edu](mailto:andrewhurter@mines.edu)*