



ASCE/AGC Meeting Summary

Week 1: Ulteig

January 12th, 2024

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 next Friday, 1/19, from 12–1 p.m. in Marquez Hall 226 to hear from Concrete Frame Associates.
2. PLEASE PAY YOUR DUES: \$10 a Semester
 - a. First Semester Members' Dues Waived
3. Sign Up to attend ASCE Regionals!
 - a. <https://forms.gle/LGVhze8vm5KSJ5797>
4. Follow us on Instagram: @asce.mines

Civil Engineering Fun Fact of the Week:

Concrete (or Conk Crete, baybee!), the material with the highest compressive strength, has been used for millennia. The Pantheon in Rome was constructed around the year 120 CE, and is still the largest unsupported concrete structure in the world!





Today's Presenters: Ulteig

This week's presentation featured John Butt, Charlie Petersen, and Grant Gulevich from Ulteig, who discussed their career paths and what they do in the Civil Engineering Industry. Below are some notes about what each shared:

- John Butt – Director of Civil Engineering
 - Willis Avenue Bridge – a movable bridge that allows coast guard ships through the channel.
 - Mostly worked on RFIs communicating between contractor and firm.
 - Learned about communication with different parties and people at higher levels, slowly over time got to do other things.
 - Lots of documentation and contracts – different from school
 - Jurong Port – port in Singapore
 - A higher-up engineer passed his desk and said, “Just Say Yes.”
 - Given the opportunity to go work in Singapore for a month.
 - Had 24 hours to figure out how to make it work.
 - Being flexible and willing to jump gave opportunity to work on once in a lifetime project.
 - Bridge Design
 - What he wanted to do out of school took quite a while to get there.
 - Building Forensics
 - Got lots of experience writing reports for insurance companies and legal processes.
 - Learned a lot about the importance of being careful when putting things in writing because anything could end up in court.
 - EWR Infrastructure Renewal
 - Managing several large projects 8-10 years out of school
 - Very stressful but learned a lot about how to overcome challenges.
 - Bridge inspection again, then ended up at Ulteig in bridge group, now in management leading more than 100 people!
 - Had a very nonlinear career path to end up where he wanted.

- Learned to speak up and ask for what he wanted and now encourages all people he is leading to speak up and say what they want.
- Charlie Petersen – Graduate Engineer Structural
 - Shared about some of the projects he has worked on as a structural engineer in the bridge group at Ulteig
 - Load ratings
 - Talked about bridge inspection, and how you need to get within arm's length of all members to be inspected.
 - Lessons learned:
 - Remembers being overwhelmed with the lingo and monotonous tasks when first starting, but it is important to keep working and learning from those around you and build up your foundation.
 - People who do monotonous tasks with a good attitude are more likely to be given more glamorous tasks.
 - Monotonous tasks teach you important skills like how to read plans and identify trouble spots.
- Grant Gulevich
 - Mainly works in transportation and roadway design.
 - Does lots of construction inspections.
 - Never thought he would do this in school.
 - Said yes when given an opportunity.
 - Ended up enjoying it!
 - Lots of erosion control plans,
 - Saw them first as monotonous, then learned the importance of them when working on a project in the field where the EPA came to inspect the site.
 - Got to go into the Eisenhower tunnel.
 - Cool experience being above where the cars are.
 - Wouldn't have had that opportunity if hadn't said yes to smaller opportunities.
 - Lessons learned:
 - Take opportunities and say yes to new things.
 - Do inspections when you are young, gain experience, and become a better designer. Gain experience with what plans look like when built in real life. Interact with people outside of the office and learn from them.

Thank you to our presenters from Ulteig! If you have any questions, you can contact them via email at john.butt@ulteig.com, charlie.petersen@ulteig.com, grant.gulevich@ulteig.com

Respectfully,

Inga Almgren, ASCE-AGC Treasurer, Spring 2024

Have any questions? Feel free to email Andrew Hurter @ andrewhurter@mines.edu