



ASCE Richmond Branch Newsletter

Join us this month for a technical lunch meeting at the Westwood Club and a March Madness happy hour!

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Upcoming Events

Thursday, February 7: Younger Member Happy Hour

Sunday, February 17: Popsicle Stick Bridge Contest

President's Message

Greetings!

I surely hope everyone was able to join us for all of the activities that took place in February. I also hope everyone had a wonderful Engineer's Week.

Thank you to all of the assisted with the Popsicle Bridge Contest. It was a wonderful event for adults and students alike.

For our Technical Meeting, we are headed back to the Westwood Club for a presentation from Michelle E. Fults, GISP the VDOT L&D Geospatial GIS Manager on Moving VDOT technology into the 21st Century through the Geospatial Section of Location and Design. It is sure to be very interesting. Plan to come out and join us on March 19th.

Another volunteer opportunity, the State Mathcounts competition will be held at the J. Sergeant Reynolds Community College on March 16th. Please contact me if you are interested in helping out and I can put you in touch with the coordinator.

Please plan to join us for these fantastic events. I hope to see you out there.

Best Regards

Nancy E. Lehr, PE, APMP



Upcoming Events

Technical Lunch Meeting: Managing

Performance and Service Life for Geotechnical Infrastructure

When: Tuesday, March 19, 2019

Lunch is served at 11:45AM

Networking from 11:30AM – 12:00PM

Presentation begins at 12:00PM

Where: Westwood Club; 6200 W Club Ln, Richmond, VA 23226

Registration Price: \$20 for members and \$25 for non-members. Note the price will increase to \$30 for both members and non-members at COB Thursday, March 14th.

PDH: 1 Credit

Abstract:

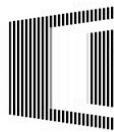
Over the last couple of years the MS4 section of Location and Design has been engaged in spatially locating required data and pushing the envelope with using ArcGIS Online mobile technology to do field work. Recently, mobile technology (ArcGIS Collector) and web map applications with survey forms (Survey123) were used to collect and manage data. In July, the new Geospatial section was formed, which expands this ability to all areas of Location and Design at VDOT and not just the MS4 section. This presentation will discuss what ArcGIS is, applications in other disciplines (Traffic Engineering Design, Environmental, CADD support), current projects where VDOT is using this technology, and where the Location and Design division will be heading in the future. Example projects include stormwater inspections, NPDES inspections, and nutrient credit tracking.

Presenter: Michelle E. Fults, GISP; VDOT L&D Geospatial GIS Manager

Ms. Fults has been with VDOT for over 2 years as a GIS Analyst and currently as the Geospatial GIS Section Manager. Overall she has 29 years of experience in GIS working with State and Local Government and private industry with concentrations in environmental planning, water quality, transportation and GIS development. Her GIS project experiences includes work on water quality assessment report (305(b)), Regional Planning, Municipal Separate Storm Sewer System (MS4) systems, Stormwater Management (SWM) basins, pavement assets management, model building, mapping, database development, database analysis, ArcGIS Collector, ArcGIS Online mobile applications and web map applications. She was also an adjunct instructor at two different community colleges teaching Geology and ArcGIS.



[Register Here!](#)



Thanks to F&R for Sponsoring This Month's Technical Meeting

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Mark Your Calendars for Future Presentations

April – TBD

May 22 – Gamal Hassan (Water Resources Presentation)

Recent Events

February's Technical Meeting

Silas Nichols, the Principal Geotechnical Engineer for the Federal Highway Administration's Office of Infrastructure, presented an engaging discussion at the Hofheimer venue on February 19. Managing Performance and Service Life for Geotechnical Infrastructure was the topic and Silas laid out a daunting problem with regards to monitoring the condition of geotechnical features. Due to accessibility and that many of the features are buried make it difficult to inspect and assess these structures. In addition, many geotechnical assets such as walls and slopes are not catalogued in an inventory, making it challenging to conduct assessments and determine changes to these structures/conditions over time. Silas did touch on all of the existing projects the FHWA is involved with that will help to develop metrics to understand the need to monitor these assets and investigate life cycle long-term impacts earlier on in design. Hopefully as new technology is developed, additional monitoring of existing geotechnical conditions and future contingencies for inspection will become more mainstream. Thank you again to Silas for making the trip down from DC to present and shed light on this issue!



Younger Member Happy Hour



The Younger Member Group hosted a free happy hour at Basic City Beer Co. on Thursday February 7th from 5:30PM-7:30PM. The event was well attended as around 25 members joined in the evening's festivities. Members were able to network with their peers in a casual environment as they sampled local craft beer in an eclectic new space. This was a great opportunity to discuss all that the local ASCE branch has planned for the upcoming year. Thanks to those who attended, and we hope to see you all at our upcoming events!

Younger Member Group

Upcoming Events

Feature Heading

ASCE YM March Madness Happy Hour at Legends Grille:

1601 Willow Lawn Drive, Richmond VA

The Younger Member Group is hosting a March Madness Happy Hour at Legends Grille on Thursday March

21st from 5:30PM – 7:30PM. Appetizers will be provided for those in attendance! The younger member group is targeted towards our members under 35 years of age, but all are welcome to attend. Please register by 5PM Tuesday March 19th. Contact Brian Ditzler for any questions at brian.ditzler@timmons.com.



[Register Here!](#)

Stay tuned for an upcoming Younger Member Panel event in April!

Job Postings

Interested in posting a job listing in this newsletter to reach the local engineering community? There's also the option to purchase a package deal and have your job posting listed in our newsletter as well as on our website, which is where all of our members register for Richmond ASCE events.

Email Catherine at catherine.hyland@kimley-horn.com for more information!

If you have any comments regarding this newsletter, please don't hesitate to contact me at catherine.hyland@kimley-horn.com.

Thanks!
Catherine Hyland
ASCE Richmond Branch Communications Chair