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ASCE Midlands October Newsletter 2022

1 message

Lydia Mignogna <LMignogna@brwnald.com>

Wed, Oct 12, 2022 at 1:28 PM



When

Wednesday, October 19th, 2022
Presentation: 12:00 PM to 1:00 PM

Where

Michael Baker International Office
700 Huger Street
Columbia, SC 29201

Lunch Provider

Moe's Southwest Grill

Contact

Lydia Mignogna
Call: (803) 873-9703
Email: lmignogna@brwnald.com

[Register Here!](#)

Members: \$15

Non-Members: \$20

We will accept payment at the door, but lunch will not be guaranteed if you do not

In-Person Presentation and Luncheon

Speaker

Abdolreza (Reza) Osouli,

Ph.D., P.E.

with

Marino Engineering Associates, Inc.

presenting the topic

Assessing Risk of Structure Damage Over Abandoned Coal Mines

**register by at least Close of
Business on the Monday prior.**

***Please note the change in location described in more detail with an
accompanying street view and map below!***

Speaker Bio



Abdolreza (Reza) Osouli, Ph.D., P.E. is the executive director of MEA. He has started working with MEA since 2008 when he was graduating from University of Illinois Urbana Champaign with a PhD degree in geotechnical engineering. Dr. Osouli has been staff engineer, geotechnical engineer, project engineer and senior geotechnical engineering consultant over the years. Dr. Osouli also has been active in research and has published over 70 peer-reviewed journal and conference papers related to deep excavations, pier group foundations, geotechnical numerical analyses, geo-construction, slope stability, subsidence engineering, mine stability, rock mechanics, surface erosion levees, scours in riverbeds, base and subbase aggregate quality control for pavements, seismic performance of retaining walls, and liquefaction. Dr. Osouli also has co-authored many technical reports for various projects related to subsidence engineering and forensic engineering. Dr. Osouli has supervised engineers and technician in conducting subsurface investigation involving field and laboratory testing on soils and rocks, grouting operation of underground mine voids, seepage and stability of levees and slopes, design and analyses of underground coal mines as practicing engineer and researcher. Dr. Osouli has been member of ASCE G-I Embankments, Dams and Slopes committee and Geotechnics of Soil Erosion for a number of years.

Presentation Abstract

This presentation covers key aspects of mine subsidence engineering, a subject that is not well understood, and embraces a number of engineering disciplines. It focuses on the causes of mine subsidence and how mine stability relates to the resulting ground movements. Different mining and geologic conditions determine the mode of failure of the mine. The mode of mine failure in turn affects the resulting subsidence movement. Prediction of subsidence and damage potential or risk are also key aspects of subsidence engineering. Case histories will be presented which illustrate different ground movement and damage scenarios. This presentation

will be presented in a manner that will be understandable to anyone that would be interested in learning more about mine subsidence.



President's Pen



October 2022 - Let's Continue the Momentum

Theo Deligiannidis, ASCE Midlands Branch President

It was so nice to see many familiar and new faces in September as Midlands Branch kicked off our 2022-23 general branch meetings. I'm happy to report we're off and running at our new meeting location at MBI. We have a couple of kinks to work out as expected, but overall we have received positive feedback.



Photo from our September 21, 2022 meeting in Michael Baker's Conference Room

Coming up on October 19, we will be hearing from a group that to the Board's knowledge, has not previously presented to our Branch. Thank you to our presenter and sponsor Marino Engineering Associates. We don't have many coal mines around our parts, but it should still be very interesting.

We are continuing to seek a chair on our Board for community involvement. If anyone enjoys this meaningful type of service, please let one of us on the Board know.

From this month's newsletter, I would also like to highlight that we are rolling a call for job postings on the ASCE website. We're just getting started, and we will improve this process in the coming months.

Finally, coming this fall – Midlands Branch's annual cornhole tournament. Please be on the lookout for details :)

Remember to visit our website at www.ascemidlandsbranchsc.org, and note that our Branch documents, including financial reports and Board meeting minutes, are on our Branch's [ASCE Collaborate](#) page. Thank you, and we'll see you all soon.

Theo Deligiannidis, ASCE Midlands Branch President

ASCE Midlands Branch Announcements

NEW MONTHLY MEETING LOCATION

Beginning on September 21, 2022, we will hold our
lunch and learns at

Michael Baker International

700 Huger St.

(Downtown Columbia)



Google Maps Street view of Michael Baker Intl. office from Devine Street

Job Posting Opportunity



If your company would like to **post a job** on the ASCE Midlands branch website, we will **advertise** the posting in our monthly newsletter.

There are currently no eligibility requirements, but we always encourage active participation from your team in our Branch activities to maximize your opportunities.

Please email
Meghan Franco at
meghan.franco@mbakerintl.com
with any inquiries or to express interest.

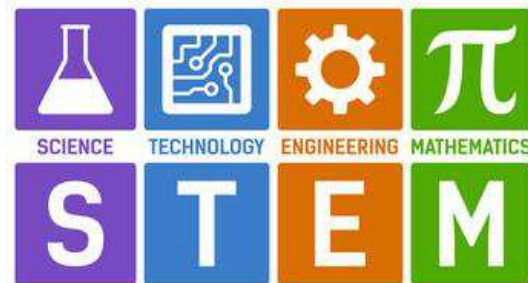
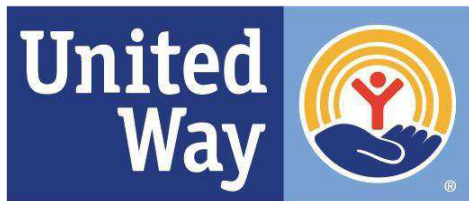
Seeking Community Involvement Chair

Are you interested in taking on a meaningful, community involvement and service-oriented position on our
ASCE Midlands Branch Board?

We would like to **grow our ASCE branch's connection to the community** through more focused involvement in expanding our work with **United Way** as well as **STEM** programs in schools.

The Midlands Branch Board also envisions this role as a great opportunity to organize other community service activities with local SC midlands organizations.

Get involved in this year's ASCE Midlands Branch decision-making, and join our board as we make some helpful changes and revamp our branch's brand!



United Way of the Midlands

Questions? Please contact Lydia Mignogna, ASCE Midlands Branch Newsletter Editor:

Lydia Mignogna

lmignogna@brwncald.com



Society of American Military Engineers (SAME)

ANNUAL SCHOLARSHIP GOLF TOURNAMENT

Friday, October 21st, 2022



If you are not able to play, **please consider a Sponsorship or donation** to help support the scholarship program!

Please contact Richard Wargo, SAME Carolina Midlands Post Secretary, with any questions you may have at rwargo@schnabel-eng.com.





Are you or someone you know interested in presenting a project, technology, or other topic at our monthly meetings?

If so, let us know!

Please contact Lydia Mignogna, ASCE Midlands Branch Newsletter Editor,
to express interest or for more information:

Lydia Mignogna

lmignogna@brwncald.com

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