

February 2021 ASCE Midlands Branch Newsletter



When

Wednesday, February 17th, 2021
Presentation: 12:00 PM to 1:00 PM

Contact

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[Register Here!* - WebEx](#)

**Click "Register" on the left-hand side of the page next to "Event Status" - You will be prompted with a form to fill out. Once you submit, you should receive an email saying your registration was approved and an invite to add to your calendar.*

Virtual Presentation

Speaker:

Chowdhury K.A. Siddiqui

South Carolina Department of Transportation
(SCDOT)

Tapping Data Science in Highway Systems Performance Evaluations

Speaker Bio

Chowdhury K.A. Siddiqui

Chowdhury Siddiqui is the Chief System Performance Engineer at South Carolina Department of Transportation. He is responsible for managing System Performance Unit (SPU) within the Office of Planning, oversee day-to-day operation of SPU, spearhead SPU's involvement with other offices within the Agency, and design processes to capture statewide system performance for various internal and external projects. Prior to joining SCDOT's planning office, he worked with planning organizations in New Mexico, and North Dakota Department of Transportation. Siddiqui earned his master's and PhD in Transportation Engineering- both from University of Central Florida and specializes in traffic modeling and data analytics. He is a Professional Engineering, certified Professional Traffic Operations Engineer, Professional Transportation Planner, and a Level 2 Road Safety Professional. He is also a member of American Institute of Certified Planners (AICP).

Abstract

With the advent of emerging technologies, several datasets and sources have become available in recent years in understanding the performance of highway systems. This presentation will highlight some of these data types along with traditional data sources and discuss application in fusing them to have better insight onto the performance of the South Carolina's highway system. The presentation will shed light on the methodology and challenges incurred in converting "data to information", and how elements from the data science are being used to increase efficiency of the available resources. Finally, it will provide examples of a few deep dives into understanding the characteristics of the system performance such as, reliability and congestion.



President's Pen

Hi there Midlands Branch! I hope everyone enjoyed the Super Bowl and had some good food! I know I will miss football!

Moving forward, we will still be hosting virtual meetings until further notice in place of our regularly scheduled lunch and learns. Please join us on the 17th for an awesome presentation from Chowdhury K. A. Siddiqui (SCDOT) on the Application of Data Science in performance evaluation of highway systems! Also keep checking the website here ([ASCE Midlands Branch Website](#)) moving forward to stay up to date on all things ASCE Midlands Branch and to check any upcoming events we have! We have some exciting ideas coming that we hope you will enjoy, so be on the lookout! I hope everyone is still staying safe and healthy! I know I'm looking forward to some warmer weather (what does a groundhog know?!). 😊

I hope you all can join us on February 17th! We look forward to "seeing" you there!

Lauren

ASCE Younger Member Events

Stay tuned!

ASCE Midlands Branch Board Members

Congratulations to President Elect Bailey Lively for receiving her Professional Engineering license and Membership Champion Trent Hodges for receiving his Engineer In Training license!



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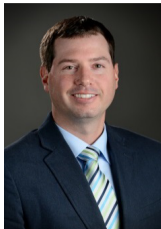
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