

Thursday, December 2, 2021, Dinner Meeting (1 PDH)

# Yeager Airport: The Longer Road to Recovery from the Slide of 2015

*Presented by Allen Cadden, P.E., D.GE of Schnabel Engineering, Inc.*

In March 2015, the Runway Safety Area and Engineered Material Arresting System were destroyed when the reinforced soil slope failed at Yeager Airport in Charleston, WV. The result of the structural fill failure was a near vertical soil face in the remnant fill over a massive debris field extending over a road and creek. Cleanup consisted of moving over 400,000 cubic meters of debris and shortening the useable length of the runway. To restore safety features and normal operations, a new 122 meter long retaining wall up to 25 meters high was designed and constructed. Wall construction included compacted soil backfill as well as geofoam backfill. This presentation will give an overview of the design and construction challenges posed by the site conditions, as well as those associated with bottom-up construction of an anchored soldier pile wall and the incorporation of Geofoam backfill. We will close with some performance data from the monitoring system that has been in place for more than two years.

**At the Engineers' Society of Western Pennsylvania Building  
337 Fourth Avenue, Pittsburgh, PA 15222**

*A buffet dinner will be provided. The cost is \$40 per attendee.  
1 PDH will be awarded for attendance.*

**5:30 PM Cocktails (Cash Bar) | 6:30 PM Dinner and Presentation**

**ONLINE REGISTRATION AND PAYMENT AVAILABLE AT**

**<https://pittsburghhpe.wordpress.com/2021/11/18/december-dinner-presentation/>**

Reservations, including payment, must be received by noon on Monday, November 29, 2021.

Checks should be made payable to "Pittsburgh Chapter PSPE" and mailed to:  
Pittsburgh Chapter, PSPE  
337 Fourth Avenue  
Pittsburgh, PA 15222

*Cancellations must be received three days prior to the event.*