

The Pittsburgh Chapters of The Structural Engineering Institute and The Association for Bridge Construction and Design Present



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“Human-Machine Interaction and the Future of Structural Engineering”

Over the next decade, powerful new technologies are poised to revolutionize the practice of structural engineering. In this talk, I will discuss three of the most vital: robotics, 3D visualization, and artificial intelligence. I will provide an introduction to each concept, as well as examples of emerging professional applications. One thread binds these technologies together: data. How we collect, interact with, and leverage data about structures is changing in profound ways. As 21st century engineers, we will need to expand our traditional expertise and master modern data sciences as well.



Date: Tuesday, January 17, 2017
Social Hour at 5:00pm
Dinner at 6:00pm
Program at 7:00pm

Location: Cefalo’s Banquet and Event Center
428 Washington Ave, Carnegie, PA 15106

Early Registration Cost: \$35 for ABCD / SEI Members, \$45 for Non-Members, \$10 for students (Open until Friday, January 6, 2017)

Late Registration Cost: \$40 for ABCD / SEI Members, \$50 for Non-Members, \$15 for students (Open until Friday, January 13, 2017)

Payment can be made online from the event webpage, or by cash or check at the door

Registration and Online Payment will be handled through the Pittsburgh ASCE website
at <http://www.asce-pgh.org/event-2338807>

Please contact Greg Holbrook with any questions at holbrookgt@cdmsmith.com