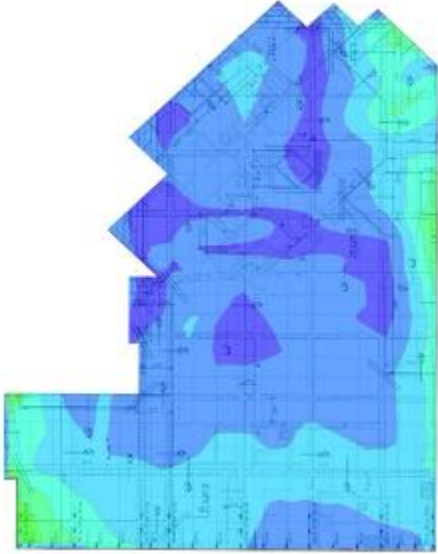


NOVEMBER 11, 2020

Wednesday, November 11, 2020
5:00 PM (1.0 PDH)



PRESENTATION

5:00 PM (1.0 PDH)

Title : **The Benefits of Real Time Data on Foundation Monitoring as Per FPA-SC-12-0**

Speaker : [Mr. Adrian Vuyk](#) w/ [Stead Fast Foundations](#)

Mr. Adrian Vuyk (pronounced voik) is the President of Steadfast Foundation Technologies, LLC based in Houston and founded in 2016. He holds 28 US patents and has published and presented globally on engineering, new technology, data analytics and artificial intelligence over his 27-year career. In 2020, he won Houston Business Journal's Innovation Award. He holds a Bachelor of Science in Mechanical Engineering from the University of Houston and an MBA from Texas A&M and is a former licensed Professional Engineer in the state of Texas. He and his wife have lived in Houston for 30 years where they have raised 5 children in homes built on a variety of soil conditions.

ABSTRACT : In 2005, FPA released FPA-SC-12-0 (GUIDELINES FOR EVALUATING FOUNDATION PERFORMANCE BY MONITORING) proposes initial foundation surveys for every residence to establish baseline foundation elevations and capturing 5 to 8 plot points for a typical residence to monitor foundation movement. This presentation will share how the measurement technology has evolved since 2005 allowing hundreds of plot points and even hundreds of thousands of plot points to be gathered per year per foundation. The presentation will also include recommended changes to FPA-SC-12-0 to allow the community to benefit from the advancement of this technology.