

W. Allen Marr, PhD, PE, DGE, NAE  
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Dr. Marr founded and leads Geocomp, one of the foremost providers of real-time, web-based performance monitoring of civil engineering structures, including dams, levees, deep excavations, tunnels, bridges, buildings and utilities. Dr. Marr and his Geocomp colleagues also developed and use the concept of Active Risk Management to help clients identify and proactively manage risks associated with construction and operation of infrastructure.

Allen and his Geocomp colleagues have also helped revolutionize the advanced testing of soils and rocks through their development and use of a suite of automated testing devices that greatly reduce the time required to run tests and increase the quality of the test results. Geocomp equipment operates in the labs of 33 State Departments of Transportation, many universities and more than 55 countries. His laboratory, GeoTesting Express, is one of the premier commercial testing labs for soils and rocks in the US.

Dr. Marr has been involved in the investigation of many failures of civil works. He was a member of the US Army Corps of Engineers Interagency Performance Evaluation Task Force to determine the causes of failures of the New Orleans flood protection system. He also served as an expert for the US Department of Justice in claims exceeding more than \$60 billion related to the breaching of the levees protecting the Lower Ninth Ward of New Orleans.

Allen earned his MS and PhD degrees in Civil Engineering from MIT where he taught and led research for 10 years. He received his BS in Civil Engineering from the University of California, Davis. He was elected to the National Academy of Engineers in 2008 for “innovative applications of numerical methods, risk analysis, advanced laboratory techniques and field instrumentation to geotechnical engineering and construction.” In 2015 he was elected to the Moles, the US organization of preeminent tunnelers. He is a frequent presenter of lectures, keynotes and workshops on risk management and real-time performance monitoring to help manage operational risk to infrastructure. He currently serves as President-Elect of the ASCE Academy of GeoProfessionals which provides board certification to qualified geoprofessionals.