

M. Melih Demirkan, Ph.D., P.E.

CEO, Rite Geosystems Inc.

### Bio

Dr. Melih Demirkan has 20 years of professional experience of a variety of geotechnical, seismic, hydrogeological and geo-environmental engineering projects. Melih is passionate about instrumentation and monitoring. As a geotechnical engineer, he understands the key features of successful safety monitoring implementation. He has designed and implemented multiple instrumentation projects prior to joining Rite Geosystems. During the course of his engineering career, he has taken up key technical and management roles for various projects including site characterization for new and existing nuclear power plants, engineering analysis for dam and water resources structures and risk assessment for unstable subsurface conditions. He has also performed advanced engineering analyses such as 3D geotechnical and hydrogeological analyses as well as GIS based regional 3D lithological model development and geohazard related risk evaluation. As a result of his efforts multiple guidance documents have been put together in the past for minimizing the risk related to local geohazard conditions. Melih has conducted numerous site response surveys, settlement, bearing capacity and liquefaction analyses and foundation design for various projects. He has also co-authored more than twenty peer-reviewed publications. Melih is a registered Professional Engineer.