

Site Investigation using Resistivity Imaging

Subsurface investigation is the most important phase of any civil engineering construction or development activities. The geologic conditions can be extremely complex, variable, and subject to change with time; soil test borings and in-situ tests are employed to obtain subsoil information. Resistivity Imaging (RI) is a non-destructive, fast and cost-effective method of site investigation and soil characterization. Site Investigation using Resistivity Imaging aims to summarize pertinent details of RI in site investigation for geotechnical and geo-environmental applications. It aims to bridge the gap that currently exists between the geotechnical/geo-environmental and geophysical engineering community. The geotechnical and geo-environmental engineers will be able to use and understand geophysical data and utilize the information for their design. Features: - First comprehensive handbook aimed at engineers that summarises pertinent details of Resistivity Imaging (RI) in site investigation for geotechnical and geo-environmental applications. - for geotechnical and geoenvironmental engineers, making it possible to interpret geophysical data and utilize the information for their design. - explaining the advantages of RI over conventional site investigations: continuous image, large coverage, low cost, quick and easy data processing. It will be a comprehensive handbook for the application of RI in geotechnical and geo-environmental site investigations.



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