

## **Geotechnical Problems in Large-Scale Infrastructure Constructions in Shaoxing Area**

Shaoxing, a coastal city in Southeast China, being situated at the foot of hills and beside waters, is a typical Canal Town in South of the Yangtze. The terrain in Shaoxing is generally high in the North and Low in the South. The Northern parts are plains with densely covered river networks and numerous lakes, while the South parts are hilly areas with dense vegetation and beautiful scenery.

This article briefly introduces the geology of Shaoxing area, and lists some geotechnical problems in several large-scale infrastructure constructions and the corresponding solutions to them. such as the cases in large diameter pile foundation of large bridge, the control of soft soil foundation settlement in expressway, foundation pit excavation and supporting system in subway, prevention and control of geological hazard, and so on.