

# Abstract

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## **Desktop GIS for Geo-Technical Engineering**

**Track:** New Technology and Technology Integration

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A flexible desktop GIS tool for geo-technical information management that incorporates common desktop GIS application along with customized tools like Borehole Viewer and Stripchart has been developed to address the requirements of geo-technical professionals involved in infrastructure related projects.

Geo-technical professionals using this application can relate alignments and cross-sections to specific locations and/or regions on the map, create thematic maps to perform spatial and non-spatial queries, and print required reports and maps. The software configuration used includes Visual Basic 6.0, Crystal reports VC++ for custom DLL's, and ESRI MapObjects to fill the gap of domain based specific GIS solutions.

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