

Ingenuity in Geotechnical Design using Geosynthetics

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ABSTRACT: Even though geosynthetics are now a well-established discipline within geotechnical engineering, ingenuity remains significant in many projects involving their use. This is probably because of the ability to tailor the mechanical and hydraulic properties of geosynthetics in a controlled manner to address design needs in all areas of geotechnical engineering. This presentation focuses on specific geosynthetics advances in a wide range of geotechnical projects. Specifically, this presentation addresses the creative use of geosynthetics in designing earth dams, resistive barriers, unsaturated soil covers, veneer slopes, hydraulic systems, deep foundations, bridge abutments, retaining walls, embankments, and roadways.