



Presented By:

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Titan Environmental Containment Ltd.



Department of
Civil and Environmental
Engineering

Civil Engineering Seminar Series

Monday, May 8th, 2017

MDEA

9:00AM - 10:00AM

Geogrid Solutions for Geotechnical & Other Civil Engineering Applications

This seminar will cover the following topics:

- Base reinforcement of flexible pavements over soft and saturated soils;
- Heavy duty pavements;
- Reduction of pavement thickness using geogrids/ geogrid composites
- Pavement structural enhancement
- Design Considerations;
- Foundation support
- Reinforced Soil Walls,
- Bridge Abutments
- Slopes and Landslide Repairs,
- Roadway Embankments
- Asphalt reinforcement
- Concrete Reinforcement
- Selected Case Studies

Sam possesses an interdisciplinary engineering and geosynthetics management background. He has served the global geosynthetics market for the past 26 years having worked with some of the world's leading geogrid organizations in the U.K., U.S.A. and Canada. He has extensive technical experience using geosynthetics solutions for a wide range of geotechnical and environmental applications, including base/soil reinforcement; asphalt reinforcement and maritime engineering in North and South America, Asia, Europe and the Middle East. Sam has lectured at reputed universities in Canada including Ryerson and Concordia, as well as is extensively involved in interdisciplinary academic engineering programs offering value-added geosynthetic solutions to help address a variety of complex civil, environmental and geotechnical engineering problems. He has also presented numerous technical papers at geosynthetics conferences around the world. Sam is presently involved with collaborative R&D projects with Concordia and Carleton University using custom developed geosynthetic products. As Titan's Chief Technical Officer, he is currently responsible for devising and managing global business strategies for Titan geosynthetic technologies as well as developing new products. Sam believes in designing and offering flexible, state-of-the-art geosynthetic solutions that are price competitive, user & environmentally friendly, technically advanced, and suited to local conditions wherever they are used. Working in conjunction with Titan's philosophy, he strives to provide customized value-added solutions using optimal geosynthetic products, design, clear installation guidelines and comprehensive technical and services support. His work, particularly with geogrid product development and testing, has been instrumental in taking the geosynthetics industry to the next level.