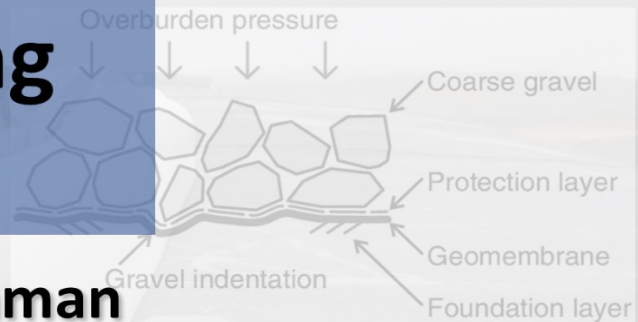


Calculating and limiting geomembrane strain



Prof. Richard Brachman

Queens University, Canada

Time Zone 1:

24 June 2025, 7:00-8:00 CDT
 24 June 2025, 8:00-9:00 EDT
 24 June 2025, 12:00-13:00 UTC
 24 June 2025, 13:00-14:00 BST
 24 June 2025, 14:00-15:00 CEST
 24 June 2025, 22:00-23:00 AEST

Time Zone 2:

26 June 2025, 11:00-12:00 AEST
 26 June 2025, 2:00-3:00 BST
 26 June 2025, 3:00-4:00 CEST
 25 June 2025, 20:00-21:00 CDT
 25 June 2025, 21:00-22:00 EDT
 25 June 2025, 1:00-2:00 UTC



About the webinar:

Tensile strains in geomembranes need to be limited to achieve long service lives for environmental protection. The webinar will identify the factors affecting strains mobilized in bottom liner, cover (or cap) and pond applications. Since strain is often calculated from a deformed shape, recent advances in calculating strain will be presented and limitations of past simplifying assumptions will be discussed. Focus will then be placed on assessing the long-term effectiveness of protection layers to limit strain from overlying materials in bottom liner geomembrane liners.

About the speaker:

The phrase 'buried but not forgotten' captures Dr. Brachman's unique expertise on measuring the physical response of geosynthetic liners and buried polymer structures using innovative large-scale experiments, field studies and numerical analysis. His unique scholarly contributions are related to determining the effects of stress, temperature, chemicals and time on soil-structure interactions that directly impacts how well, and how long, these important components of our buried infrastructure perform their function. Dr. Brachman has made significant contributions on the assessment of service life and long-term strains in geomembranes, as well as geosynthetic clay liner hydration and dimensional stability and the field performance of exposed composite liners. He is a co-author of the prominent book Barrier Systems for Waste Disposal Facilities. He has received fifteen Best Paper Awards for works published in the Canadian Geotechnical Journal, Geotextiles and Geomembranes, and Geosynthetics International, in addition two IGS Awards from the International Geosynthetics Society. Dr. Brachman has been appointed as a Fellow by the Engineering Institute of Canada, for exceptional contributions to engineering in Canada.

Registration:

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