

# **Brampton - Workshop on Barrier Systems**

**April 24, 2019**

**Featured Speaker: Dr. R. Brachman – Queen’s University**

**Location: Brampton**

**Designing & Constructing Lining Systems**

## **Environmental Engineering**

Designing and constructing a lining system is continuously changing and can be a challenging task to implement. This workshop sponsored by Terrafix Geosynthetics will benefit engineering consultants, designers, and owners to review current lining technology and to develop solutions to design and construction challenges. The workshop will deal with the design of “barrier systems” which separate waste from the surrounding environment and which are intended to prevent contamination of both groundwater and surface waters. The key speaker will discuss all key aspects of the design of barrier systems, including leachate collection, natural barrier such as clayey aquitards, clay liners, geosynthetic clay liners, geomembranes and composite liners, providing state-of-the-art work of reference of great value to engineers and environmentalists alike.

*The presentation will include an update on an extensive site research being done at Queen’s University.*

Speakers: Dr. Richard Brachman / Queen’s University / Barriers Systems / Designing with GCLs & HDPE 8am-1230pm

## **Featured Speaker: Dr. Brachman, P.Eng. – Professor Queen’s University, Kingston, ON.**

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 fourteen Best Paper Awards for works published in the Canadian Geotechnical Journal, Geotextiles and Geomembranes, and Geosynthetics International. In addition, he is a two time recipient of the IGS Award from the International Geosynthetics Society. He is currently President of IGS-NA, the North American Chapter of 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.

Date: April 24, 2019.  
Time: Registration & Continental Breakfast 7:30am-8:00am  
Workshop: 8:00am to 1230pm (lunch to follow).  
Cost: \$40.00

Where: Pearson Convention Centre  
2638 Steeles Ave. E.  
Brampton, ON L6T 4L7  
Hwy 407 & Airport Rd. Exit

RSVP: by April 5, 2019.  
email or fax: bherlin@terrafixgeo.com / 416.674.1159  
Phone: 416.674.0363 / 416.949.2025  
Mail: Terrafix 455 Horner Ave., Etobicoke, ON

**LIMITED SPACE AVAILABLE**  
Classroom style seating - Limited seating.  
Registration closed once full capacity reached.

Registration Form for Designing & Constructing Lining Systems – April 24, 2019.  
Registration Fee: \$40.00 per seat - Registration deadline is prior to April 5<sup>th</sup> and/or sell out.

Name: \_\_\_\_\_

Title: \_\_\_\_\_

Organization or Company: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_

Phone: \_\_\_\_\_

Email: \_\_\_\_\_

Visa or MC accepted.

Please return registration form with fee to: Terrafix 455 Horner Ave., Etobicoke, ON  
Please make cheque attention to the sponsor of the workshop: Terrafix. Visa or Master Card also accepted.