

Brampton - Workshop on the Design of Erosion & Sediment Controls for Construction Projects

May 28, 2019

Location: Brampton

Featured Speaker: Dr. B.Gharabaghi – University of Guelph

Design of Erosion and Sediment Controls

Environmental Engineering

Civil and environmental engineers tasked with the challenging responsibility for the design of soil erosion and sediment controls using Geosynthetics in construction projects need an in depth understanding of different soil properties/behavior under a range of site/climate conditions. Event-based soil loss from urban construction sites may vary by several orders of magnitude during the various phases of construction – from pre-development to post-development conditions – and depending on the erosive power of the rainfall events and the generated surface runoff. Construction projects in Ontario are complex and involve the implementation of erosion and sediment control measures to mitigate potential adverse effects on the aquatic life in the watercourses receiving stormwater runoff from the construction sites. However, construction site event-based soil loss simulations – required for reliable design of erosion and sediment controls – are one of the most uncertain types of hydrologic models. The engaging format of the workshop with helpful instructions on the worksheets facilitate advancing participant's fundamental knowledge of soil erosion processes needed for dealing with the challenging problems and their solutions. A soil erosion risk assessment tool along with useful design charts and equations will be presented. The design aids presented in this workshop can help identify areas with higher risk of soil erosion and to assist in devising cost-effective solutions.

Speakers: Dr. Bahram Gharabaghi / University of Guelph / Design of Erosion & Sediment Controls 8am-12:30pm

Featured Speaker: Dr. Bahram Gharabaghi, P.Eng. – Professor University of Guelph, Guelph, ON.

Dr. Gharabaghi is a professor of engineering in the School of Engineering at the University of Guelph in Guelph, Ontario, Canada. His research has focused on water quality models to improve the accuracy of calculations of these management tools for protection of source waters from further degradation and to develop effective strategies for improvement of the quality of impaired water bodies in Ontario. Dr. Gharabaghi has co-authored 178 manuscripts in refereed journals with the highly qualified personnel (HQP) that he has supervised. He has more than fifteen years of experience in research and development in hydrologic modelling and non-point source pollution control in Canada and internationally. Dr. Gharabaghi is currently leading several research projects in collaboration with the Conservation Authorities, Municipalities, Ministry of Transportation, Ministry of Environment, and Ministry of Agriculture, Food and Rural Affairs.

Date: May 28, 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 May 21, 2019.
email or fax: aalegre@terrafixgeo.com/416.674.1159
Phone: 416.674.0363
Mail: Terrafix 455 Horner Ave., Etobicoke, ON

LIMITED SPACE AVAILABLE
Classroom style seating - Limited seating.
Registration closed once full capacity reached.
Q&A inquiries: jjbreede@terrafixgeo.com

Registration Form for Designing & Constructing Lining Systems – May 28, 2019.
Registration Fee: \$40.00 per seat - Registration deadline is prior to April 5th 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.