

BCSLA INTERIOR CHAPTER CONTINUING EDUCATION EVENT

URBAN TREES' ROLE IN SITE HYDROLOGY RESEARCH HIGHLIGHTS, DESIGN APPLICATIONS, AND TRU CAMPUS TOUR

Date: May 14, 2016, 10:30 am - 2:30 pm. 1 – BCSLA CE Credit

RSVP: Space is limited! Please RSVP and note any food considerations to Tara Culham (admin@bcsla.org) by **5:00 pm on Thursday, April 7, 2016.**

Location: House 10, Thompson Rivers University (TRU), Kamloops (see map and link on next page).
The tour will take place rain or shine. Please wear sensible shoes as you will be walking on and off pathways, possibly in muddy conditions, and remember a hat and sunscreen if it is sunny. As well, please leave all pets at home.

Presenters:

- Julie Schooling, MScES, MBCSLA, Landscape Architect, McElhanney Consulting Services Ltd.
- Mike James, General Manager, DeepRoot Canada
- Ian Robertson, Groundskeeper & Floriculturist, TRU

Agenda:

10:30 – 11:00 am CONTEXT & RESEARCH HIGHLIGHTS

Introductions and highlights of research on deciduous trees and urban hydrology. Julie will share key findings from her MScES research on isolated trees in an urban park in Kamloops, including the role of tree traits and storm characteristics on amounts of stemflow (rainwater funneled down trunks). Take-home messages will address the opportunities, constraints, and site design implications of low- and high-stemflow tree species.

11:00 – 11:30 am IMPLEMENTING LID PRINCIPLES IN DENSE URBAN SETTINGS

Mike will focus on suspended pavement systems as an alternative low-impact development (LID) approach in dense, largely paved urban settings where other absorbent landscape features aren't practical. From principle to practice, Mike will illustrate tree-supportive solutions that meet both short- and long-term LID, functional, and aesthetic objectives.

11:30 am – 12:00 noon DISCUSSION

The group will be invited to share their questions, experiences, and favourite resources and to brainstorm responses to the various challenges and opportunities raised by the presentations. What are the most common client concerns and limitations? How can we as designers shift perspectives and promote innovation that stands the test of time?

12:00 – 1:00 pm LIGHT LUNCH in Horticulture Gardens (provided)

1:00 – 2:30 pm TRU CAMPUS TOUR

On this tour led by Ian, we will start at the scenic Horticulture Gardens before walking to see individual plant specimens as well as manicured and natural plant groupings. A highlight is the central green space designed by Cornelia Hahn Oberlander, LMBCSLA, FCSLA, FCELA, OC which features walkways winding through grassy mounds and depressions as well as mature Ponderosa pines that have survived the mountain pine beetle epidemic with much expert help from the Horticulture department! We'll also be keeping an eye out for tree species with traits that either promote or minimize stemflow. Participation of attendees and Horticulture staff will contribute insights on how traits of these species change over the life of the trees (sometimes greatly affecting their contribution to site hydrology).

THE PRESENTERS

Julie Schooling – Landscape Architect, McElhanney Consulting Services Ltd.

Julie completed a MSc in Environmental Science at Thompson Rivers University in 2014 with a focus on deciduous tree traits that influence volumes of rainfall funneled to the base of trees. She seeks to apply her research findings in landscape architecture projects such as the City of Castlegar's Street Tree Master Plan.

Michael James – General Manager, DeepRoot Canada Corp.

Mike represents DeepRoot Canada Corp. and is based out of Vancouver, BC. Mike has been in the municipal street tree industry for over 20 years and has worked extensively with landscape architects, municipalities, engineers, and landscape contractors to provide solutions for the health of urban trees. Michael has a Hon. Degree in Public Administration.

Ian Robertson, Groundskeeper & Floriculturist, Thompson Rivers University

Beyond his extensive knowledge of plants and their care, Ian has an interest in public place-making through plantings. He sees landscapes as integral to health and wellness, and has an interest in edible landscapes and horticultural therapy. He is also vice-president of the volunteer group, Friends of the Gardens at TRU, and therefore has an excellent working knowledge of the campus arboretum.

DIRECTIONS AND PARKING

House 10 is location 4, Horticulture, near the tall residence building on the map below. Driving directions and interactive maps available at <http://www.tru.ca/visit/maps.html>. Parking is free on Saturdays.

