

June 18 - 19, 2018 / Toronto



IMPLEMENTING GREEN INFRASTRUCTURE: BUILDING A COMMUNITY OF PRACTICE

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ABOUT THE WORKSHOP

In June 2018, Ryerson Urban water will host the Implementing Green Infrastructure: Building a Community of Practice workshop. This workshop aims to advance green infrastructure and low impact development (LID) by gathering interdisciplinary groups to collaborate and resolve obstacles to implementation.

Cross-practitioner discussion is a game changer. Engineers and architects need to work with landscape architects at the planning stage and incorporate green infrastructure in designs for site and landscape plans, rather than an after-thought following building siting or designs for stormwater management infrastructure.

There are many examples of green infrastructure demonstrations and big picture thinking. However, uptake has been slower than required to achieve government policy and climate change requirements. Governance and local conditions are perceived to be the only barriers, yet lessons can be learned from successful projects.

This workshop will generate a new form of interdisciplinary practice specifically designed to address these challenges.

WORKSHOP UNIQUENESS

Uptake on LID has been slow, despite endorsement from the Ministry of Environment and Climate Change (MOECC). This workshop will help MOECC raise awareness about the imminent release of Ministry guidelines and targets.

The Ministry of Municipal Affairs and Housing is updating the Building Code and incorporating guidelines on green roofs and other LID technologies. Developers and municipal staff will require increased understanding of LID.

Conservation Authorities are considering exercising stronger regulatory powers. For example, in January 2018 Lake Simcoe Conservation Authority will be enacting requirements for net zero phosphorus discharge with an offsetting program for industry. Furthermore, stormwater guidelines will be introduced for 90% or 25 mm stormwater management per site. Developers in these jurisdictions will experience increased requirements.

City of Toronto has completed the Green Streets Technical Guidelines, is revising the Wet Weather Flow Management Guidelines, and is rolling out version 3 of the Toronto Green Standard next year. There are concerns that City staff and developers are lacking the expertise to meet obligations.

Smaller municipalities with less development pressures may be unfamiliar with LID and place low priority on it when planning infrastructure. This workshop will gather interdisciplinary groups to educate, collaborate, and resolve obstacles to implementation.



Green Infrastructure Workshop | Agenda

Day 1 – Cara Commons – 55 Dundas St. W. – Room 1-148 (7th Floor)

9:00 am	BREAKFAST – <i>Come to Cara Commons</i>
9:30 am	Welcome – The Emerging Landscape in Ontario Speaker – Nick Reid, <i>Ryerson Urban Water</i>
10:00 am	Ministry of Environment and Climate Change Speaker – John Antoszek, <i>Ministry of Environment and Climate Change</i>
10:15 am	Lake Simcoe Conservation Authority Speaker – Mike Walters, <i>Lake Simcoe Conservation Authority</i>
10:25 am	Toronto and Region Conservation Authority Speaker – Jenny Hill, <i>Toronto and Region Conservation Authority</i>
10:35 am	Credit Valley Conservation Authority Speaker – Jennifer Dougherty, <i>Credit Valley Conservation Authority</i>
10:45 am	BREAK
11:00 am	City of Toronto Speaker – Shayna Stott, <i>City of Toronto</i>
11:10 am	City of Kitchener Speaker – Nick Gollan, <i>City of Kitchener</i>
11:20 am	SCS Consulting Group Ltd Speaker – Steve Schaefer, <i>SCS Consulting Group Ltd</i>
11:30 am	Mattamy Homes Speaker – Phil Santana, <i>Mattamy Homes</i>
11:40 am	Charrettes, Scenarios, & Outcomes Speaker & Facilitator: Charrette Basics – Nina-Marie Lister, <i>Ryerson Urban Water (RUW)</i> Retrofit Scenario – Patrick Cheung, <i>Toronto Water</i> Greenfield Scenario – Rob Baldwin, <i>Lake Simcoe Conservation Authority</i> Speaker & Facilitator: Outcomes – Lisa Prime, <i>RUW & Prime Strategy Consulting</i>
12:00 pm	LUNCH
1:00 pm	Q & A Work on the scenarios – Regular check-ins and Poll Everywhere
2:30 pm	COFFEE BREAK
4:00 pm	Close for the day & stroll to reception
4:10 pm	RECEPTION IN SEARS ATRIUM <i>George Vari Engineering Bldg 245 Church Street</i>



Day 2 - Cara Commons – 55 Dundas St. W. – Room 1-148 (7th Floor)

9:00 am	BREAKFAST
9:30 am	Welcome – Instructions for the day
10:00 am	Work on the scenarios – regular check-ins and Poll Everywhere
10:45 am	BREAK
11:40 am	Finish working on scenarios – place solutions on walls
12:00 pm	LUNCH
1:00 pm	Presentations
2:00 pm	Wrap-up – Key findings, steps forward
3:00 pm	Close for the day

Cara Commons, Room TRS 1-148, Ted Rogers School of Management
[55 Dundas Street West](#)
[7th Floor](#)

Many Thanks to our Planning Committee!

Member	Institutional Affiliation
Angela Murphy	Manager, Research and Partnerships, Ryerson Urban Water, Ryerson University
Darko Joksimovic	Member, Ryerson Urban Water, Ryerson University/Associate Professor, Dept Civil Eng, Ryerson University
George Zukovs	Senior Consultant, Cole Engineering
Glenn MacMillan	Senior Manager, Water & Energy, Toronto Region Conservation Authority
Hitesh Doshi	Member, Ryerson Urban Water, Ryerson University/Professor, Dept Architecture, Ryerson University
James Li	Member, Ryerson Urban Water, Ryerson University/Professor, Dept Civil Eng, Ryerson University
Jennifer Drake	Assistant Professor, Dept Civil Eng, University of Toronto
John Antoszek	Pollution Control Engineering Advisor, Ministry of the Environment and Climate Change
Kyle Vander Linden	Program Manager, Credit Valley Conservation
Liat Margolis	Program Director, Master of Landscape Architecture, University of Toronto
Lisa Prime	Principal, Prime Planning & Strategy



Many Thanks to our Planning Committee!

Member	Institutional Affiliation
Lynda McCarthy	Member, Ryerson Urban Water, Ryerson University/Professor, Dept Chem & Bio, Ryerson University
Michelle Sawka	Project Manager, Green Infrastructure, Toronto and Region Conservation Authority
Mike Walters	Chief Administrative Officer, Lake Simcoe Region Conservation Authority
Nick Reid	Executive Director, Ryerson Urban Water, Ryerson University
Nina-Marie Lister	Associate Professor, School of Urban Regional Planning, Ryerson University
Patrick Cheung	Senior Engineer, Toronto Water
Shayna Stott	Environmental Planner, City Planning Division, City of Toronto
Sheila Boudreau	Senior Landscape Architect, Toronto Region Conservation Authority
Susan Atlin	Manager, Wastewater Treatment, Toronto Water
Tom Kaszas	Director (A) Regulatory Modernization Branch, Ministry of Economic Development and Growth at Ontario Public Service



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