



# GREY TO GREEN

# Conference Program

Toronto | May 8-10, 2017  
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Monday, May 8 - Pre-Conference Activities & Opening Plenary, Ryerson University, 55 Dundas St. West			
8:30am - 12:00pm	Integrated Water Management for Buildings and Sites Course	Instructor: Jeffrey Bruce, Jeffrey L. Bruce & Company	Ryerson University, Student Learning Centre, 341 Yonge St. // Rm. SLC508
3:00pm - 5:00pm	Green Roof Professional Accreditation Exam		Ryerson University, Student Learning Centre, 341 Yonge St. // Rm. SLC508
6:00pm - 8:00pm	Opening Plenary: Green Infrastructure for Resilient Cities (Public Event)		Ryerson University, 55 Dundas St. W 7th Floor, Room 1-148 & 1-150 TRSM Commons
<b>Keynote Speaker:</b> Jennifer Keesmaat, Chief Planner, City of Toronto <b>Panel Moderator:</b> Nina-Marie Lister, Graduate Programme Director and Associate Professor, School of Urban and Regional Planning, Ryerson University <b>Panelists:</b> <ul style="list-style-type: none"> <li>• Pegeen Walsh, Executive Director of the Ontario Public Health Association and Co-chair of EHO</li> <li>• Deborah Martin-Downs, CAO, Credit Valley Conservation; Chair, Green Infrastructure Ontario Coalition</li> <li>• Steven Peck, Founder &amp; President, Green Roofs for Healthy Cities; Founder, Green Infrastructure Ontario Coalition</li> <li>• Scott Torrance, Practice Leader, Landscape Architecture Studio, Scott Torrance Landscape Architect</li> </ul>			
Tuesday, May 9 - Chestnut Residence and Conference Centre, University of Toronto			
7:30am - 8:30am	Registration Opens		2nd Floor
8:00am - 8:30am	Continental Breakfast on the Trade Show Floor		Colony Ballroom, 2nd Floor
8:30am - 9:45am	Morning Keynote		Colony Ballroom, 2nd Floor
<b>Welcome Address:</b> Jeffrey Bruce, Jeffrey L. Bruce & Company; Chair, Green Roofs for Healthy Cities <b>Keynote Presentations &amp; Speakers:</b> <ul style="list-style-type: none"> <li>• <b>Shaping Liveable Cities - The Art to Integrate Blue, Green and Social</b> - Herbert Dreiseitl, Director, Ramboll Liveable Cities Lab</li> <li>• <b>How Investing in Green Infrastructure Creates Jobs</b> - Tony DiGiovanni, Executive Director, Landscape Ontario</li> </ul> <b>Master of Ceremonies</b> Michael Krause, Principal, Kandiyo Consulting, LLC; Chair, Green Infrastructure Foundation; Board Member, Green Roofs for Healthy Cities			
9:45am - 10:15am	Coffee Break on Trade Show Floor - Colony Ballroom, 2nd Floor		
9:45am - 9:00pm	Trade Show - Colony Ballroom, 2nd Floor		
<b>10:15am - 12:15pm</b>			
<b>Concurrent Sessions 1 - 4</b>			
<b>Session 1</b>	<b>Session 2</b>	<b>Session 3</b>	<b>Session 4</b>
<b>Green Infrastructure and Stormwater Policies from Ontario and Beyond</b>	<b>Tools and Resources to make Better Infrastructure Decisions</b>	<b>Using Green Infrastructure to Future-Proof Our Cities</b>	<b>Case Studies of Innovative Green Infrastructure Projects from Across the World</b>
<b>Armoury Suite, 2nd Floor</b>	<b>Lombard Suite, 2nd Floor</b>	<b>Colony Ballroom, 2nd Floor</b>	<b>St. David, 3rd Floor</b>
<b>Ministry of the Environment and Climate Change (MOECC)'s Low Impact Development Stormwater Guideline</b>  John Antoszek, Pollution Control Engineering Advisor, MOECC	<b>Roadmap to Green Infrastructure and Asset Management</b>  Michelle Sawka, Project Manager, Green Infrastructure Ontario Coalition	<b>Setting Matrix and Performance Standards for Living Architecture: Updates on Living Architecture Performance Tool (LAPT)</b>  Lois Vitt Sale, Chief Sustainability Officer, Wight & Company; David Yocca, Senior Partner, Conservation Design Forum	<b>Facilitating Wellness and Recovery with Toronto's Award Winning Green Roof Project at Bridgepoint Active Healthcare</b>  Kees Govers, Technical Sales Manager, LiveRoof Ontario Inc
<b>Washington, D.C. Green Area Ratio Zoning Regulation</b>  Hamid Karimi, Deputy Director, Natural Resources Administration, Department of Energy & Environment	<b>Measuring Green Infrastructure for Neighborhoods: Green Infrastructure Foundation (GIF)'s Cost-Benefit Matrix</b>  Michael Krause, Kandiyo Consulting, LLC; Rohan Lilauwala, Green Infrastructure Foundation	<b>Green Infrastructure for Climate Preparedness: Regenerative Capacity as Resilience Attribute</b>  Wendi Goldsmith, Director, Center for Urban Watershed Resilience, Boston	<b>Reduce Up to 40% Stormwater Runoff for North America's Second Largest Green Roof: Blue Future of Javits Convention Center in New York City</b>  Peter Olney, Senior Associate, FXFWLE
<b>Stormwater Fees: Reforming Ontario Stormwater Management Funding Model</b>  Jessica Isaac, Senior Policy Advisor, Office of the Environmental Commissioner of Ontario	<b>Green Roof as an Automated Teller Machines?: How Green Roofs Can Bring Direct Revenue to Building Owners</b>  Matt Barmore, Vice President Technical Sales, Greenrise Technologies	<b>Three Next Generation Rooftops in Illinois and Utah: Stormwater, Energy Savings and Food Production</b>  Lois Vitt Sale, AIA, LEED Fellow, Chief Sustainability Officer, Wight & Company;	<b>The Stavos Niarchos Park - Unveiling a Beacon of Sustainability in Greece</b>  Charles Ormsby, ARUP Canada
<b>Maximizing the Success of Stormwater User Fees: Lessons Learned in Mississauga, Ontario</b>  Victoria Kramkowski, Stormwater Charge Program Coordinator, City of Mississauga	<b>Essential Things You Need to Know about Lighting for Indoor Plants and Living Walls</b>  Youbin Zheng, Associate Professor, University of Guelph	<b>High-Performance Townscapes: How Iowa is Capitalizing on Green Infrastructure</b>  David Yocca, Senior Partner, Conservation Design Forum	<b>Quantifying Environmental Improvements by Design in Large Urban Parks in Shanghai</b>  Tao Zhang, Principal, Sasaki Associates, Inc.
12:15pm - 1:45pm	Lunch on Trade Show Floor - Colony Ballroom, 2nd Floor		
1:45pm - 3:00pm	Afternoon Keynote - Colony Ballroom, 2nd Floor		
<b>Keynote Presentations &amp; Speakers:</b> <ul style="list-style-type: none"> <li>• <b>Climate Change: Oceans, Forests and Local Food</b> - Hon. Glen Murray, MPP (Toronto Centre), Minister of the Environment and Climate Change</li> <li>• <b>Exploring the Benefits and Lessons Learned of the Proposed Rail Deck Park Project through DIALOG's "Carleton University Architectural Studio"</b> - Craig Applegath, Architect, Principal, DIALOG</li> <li>• <b>Exploring the Lowline - New York's first underground park: Lessons from the Lowline Lab</b> - Signe Nielsen, FASLA, Principal, Mathews Nielsen Landscape Architects, P.C.</li> </ul> <b>Moderator:</b> Steven Peck, Founder & President, Green Roofs for Healthy Cities; Founder, Green Infrastructure Ontario Coalition			
3:00pm - 3:15pm	Coffee Break		

<b>3:15pm - 4:45pm</b>		<b>Concurrent Sessions 5 - 8</b>	
<b>Session 5</b> <b>Reaping the Benefits of Green Infrastructure for Human Health and Well Being</b>	<b>Session 6</b> <b>Toronto's Complete Streets: Transforming the City's Thoroughfares into Accessible, Sustainable, Healthy &amp; Beautiful Places</b>	<b>Session 7</b> <b>Green Infrastructure and Urban Agriculture for Resilient Cities</b>	<b>Session 8</b> <b>Emerging Green Infrastructure Technologies and Their Performance - Product-Focused Presentations</b>
<b>Armoury Suite, 2nd Floor</b>	<b>Lombard Suite, 2nd Floor</b>	<b>Colony Ballroom, 2nd Floor</b>	<b>St. David, 3rd Floor</b>
<b>Ecological Determinants of Health and Their Expression in Green Infrastructure</b> Karen Morrison, PhD., Faculty of Environmental Studies, York University	<b>Overview of Toronto's New Complete Street Guideline</b> Brent Raymond, Partner, DTAH	<b>What We Learn from Brooklyn Grange: Accountability &amp; Urban Agriculture</b> Yoshiki Harada, Cornell University	<b>Realizing Our Sustainability Potential: Utilizing Urban Trees for Stormwater Management</b> Shane Carpani, Program Development Manager, GreenBlue Urban
<b>Making the Case for the Health Benefits of Trees and Forests</b> Rob Keen, CEO, Forests Ontario	<b>Queens Quay - Catalyst for Revitalization: A Social and Ecological Success Story</b> James Roche, Partner, DTAH; Pina Mallozzi, Director of Design, Waterfront Toronto	<b>Food Crop Plant Trials for Green Roofs in Central Texas</b> Jeremy Merrill, Texas A&M University	<b>Beyond Organic Matter - Using the Power of Microbial Soil Life in Urban Soils</b> Bob Reeves, President, Root Rescue Environmental Products Inc.
<b>Policy Tools to Support Health and Wellbeing Through Green Infrastructure</b> Loretta Ryan, Director, Public Affairs, Ontario Professional Planners Institute  <i>Followed by 45 mins for round-table discussions. Participants will work in small groups to identify ways that green infrastructure projects can be planned and designed to maximize health benefits.</i>	<b>Toronto's New John Street - Grey to Green, Corridor to Destination</b> Bryce Miranda, Partner, DTAH	<b>Healthy Food for Low Income People: A Case Study on the Parkdale Activity Recreation Centre</b> Kathy Allan, Manager, Parkdale Activity-Recreation Centre; Sonia Dhir, Senior Project Manager, Toronto and Region Conservation	<b>Producing the 'Green' Soil and Organic Landscape Products</b> Neil McKeown, Business Development Manager, Gro-Bark
4:45pm - 5:00pm		Coffee Break on Trade Show Floor - Colony Ballroom, 2nd Floor	
<b>5:00pm - 6:30pm</b>		<b>Concurrent Sessions 9 - 12</b>	
<b>Session 9</b> <b>Measuring, Managing and Designing: Examples of Green Infrastructure In and Around Ontario's Greenbelt</b>	<b>Session 10</b> <b>Future Green Infrastructure Leaders</b>	<b>Session 11</b> <b>Green Infrastructure Research and Long-Term Performance Evaluation</b>	<b>Session 12</b> <b>Innovations in Green Infrastructure Cost-Benefit Analysis, Collaboration, Policy, and Implementation</b>
<b>Armoury Suite, 2nd Floor</b>	<b>Lombard Suite, 2nd Floor</b>	<b>Colony Ballroom, 2nd Floor</b>	<b>St. David, 3rd Floor</b>
<b>An Economic Valuation of the Greenbelt's Natural Capital (2016)</b> Tom Bowers, Friends of the Greenbelt Foundation; Jeff Wilson, Green Analytics	<b>Wet Infrastructure: Building Blue and Green</b> Trevor Empey, Ryerson University; Andrew Sgro, Ryerson University	<b>Connecting the Dots: An Overview of Research in Living Architecture</b> Virginia Russell, Director, Landscape Architecture and Horticulture University of Cincinnati	<b>Green Infrastructure and the new ResilientTO Strategy</b> Stewart Dutfield, Project Lead Resilience, City of Toronto
<b>A Progress Report from the Municipal Natural Asset Initiative (MNAI) Pilot Projects</b> Roy Brooke, Brooke and Associates Consulting	<b>Green Infrastructure Design Art to Educate the Public</b> Greggory Hanson, Ryerson University; Arleigh Hack, Ryerson University; Jiya Benni, Ryerson University; Tian Wei Li, University of Toronto	<b>Suspended Pavement Systems and Stormwater Management: Monitoring Results</b> Michael James, General Manager, DeepRoot Canada Corp.	<b>Urban Flooding in Ontario: Collaborative Action and the Role of Green Infrastructure</b> Anastasia Kaschenko, Project Coordinator, Green Communities Canada; Clara Blakelock, Manger of Water Programs, Green Communities Canada
<b>The Potential of Rural Green Infrastructure: A Conceptual Framework for Master Planning in Mt Albert, Ontario</b> Kelsey Carriere, Recent Graduate, University of Toronto; Jennifer Williamson, Recent Graduate, University of Toronto	<b>Innovative Ravine Design</b> Natasha Varga-Papp, University of Toronto  <b>Park Corridor Linking Communities and Supporting Redevelopment</b> Jake Pauls Wolf, University of Toronto; Marianne Lafontaine-Chicha, University of Toronto	<b>How Green Infrastructure Stormwater Management Practices Stack Up: A Comparison of Green Infrastructure Practice Performance Based on Over 20 Years of Monitoring and Evaluation in the Greater Toronto Area</b> Tim Van Seters, Toronto and Region Conservation	<b>Municipal Innovation in Climate Change: Greening Urban Landscape</b> Jim Wren, Programs Advisor, Federation of Canadian Municipalities
6:30pm - 8:30pm		Evening Reception on the Trade Show Floor Sponsored by <b>Ginkgo Sustainability &amp; Next Level Stormwater Management</b> - Colony Ballroom, 2nd Floor	

## 2017 Grey to Green Exhibitors

**Actium Composting**  
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**A.M.A. Plastics Ltd.**  
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**American Hydrotech**  
hydrotechmembrane.ca

**Cohen & Master Tree and Shrub Services Ltd.**  
cmtrees.com

**City of Toronto/ Live Green Toronto**  
toronto.ca/livegreentoronto.ca

**DeepRoot Canada Corp.**  
deeprooot.com

**FBC - Canada's Farm & Small Business Tax Specialists**  
fbc.ca

**Federation of Canadian Municipalities**  
fcm.ca

**Future Green Infrastructure Leaders**

**GreenBlue Urban**  
greenblue.com/na

**Green Infrastructure Ontario**  
greeninfrastructureontario.org

**Gro-Bark**  
gro-bark.com

**International Leak Detection**  
leak-detection.com

**LiveRoof Ontario**  
liveroof.com

**Moss Acres**  
mossacres.com

**Ontario Association of Landscape Architects**  
oala.ca

**Radon Environmental Management Corp.**  
radoncorp.com

**Redbud Root Rescue**  
redbud.com

**Sika Canada**  
can.sika.com

**Soprema Canada**  
soprema.ca

**Toronto Region Conservation for the Living City**  
trca.ca

Wednesday, May 10 - Workshops - Separate Registration Required	
<p><b>Integrated Water Management for Buildings &amp; Sites</b>  ~~~~Monday, May 8~~~~ 8:30am - 12:00pm</p> <p>Developed jointly by GRHC and American Society of Irrigation Consultants (ASIC) committee members, this course provides technical and economic information on the design and performance of a fully integrated site and building water management system based on the "Net Zero Water" concept.</p> <p>This approach promises to significantly reduce the consumption of potable water in buildings, reduce discharge to municipal waste water systems, and save on municipal energy by reducing the amount of potable water treated at municipal facilities. The recognition of the connection between water management and energy conservation is emerging as a new opportunity in integrated management systems.</p> <p><i>This course is approved for 3.5 Continuing Education Units (CEUs) for GRPs.</i></p>	<p>Ryerson University</p> <p>Student Learning Centre, 341 Yonge St.</p> <p>Rm. SLC 508</p>
<p><b>Low Impact Development Workshop</b> (Led by Credit Valley Conservation Authority)  8:30am - 5:00pm</p> <p>This course trains designers, contractors, and others involved in the design, construction, and inspection of LID. Over a half-day, we will cover LID installations ranging in size from small parking lot retrofits to large subdivision developments that are fully reliant on LID approaches to stormwater management. Participants will be taken through each step of the LID construction process, highlighting potential errors and explaining proper techniques. Lessons learned from examples in Ontario's cold climate will be shared.</p> <p>The half-day training course includes a bus tour to three different local LID sites: CVC's Head Office, as well as the Elm Drive and Wychwood sites. Performance results will be discussed.</p> <p>Instructor: Kyle Vander Linden, Water Resources Specialist, Credit Valley Conservation</p>	<p>CVC Head Office</p> <p>1255 Old Derry Road, Mississauga, ON L5N 6R4</p> <p>Board Room</p>
<p><b>Lighting for Indoor Vegetable and Medical Crop Production and Living Walls</b>  1:30pm - 5:00pm</p> <p>Lighting is essential in indoor plant production (e.g., high value vegetables, cannabis) or for beautifying and improving our environment (e.g., living wall). Horticultural Light Emitting Diode (LED) technologies have been rapidly developing in recent years with many commercially-available LEDs to choose from. This workshop will provide you with background knowledge and some hands-on experience on light selection, monitoring and applications.</p> <p>Instructors: Youbin Zheng, PhD., Associate Professor, School of Environmental Sciences, University of Guelph; David Llewellyn, Senior Research Associate, School of Environmental Sciences, University of Guelph</p>	<p>Carrot Common</p> <p>348 Danforth Ave, Toronto, ON M4K</p> <p>Rm. #212</p>
<p><b>Introduction to Urban Agriculture</b>  8:30am - 5:00pm</p> <p>This course discusses multiple approaches to growing food on rooftops through design and maintenance principles, and case studies drawn from across North America. <b>Includes half-day presentation and a tour of Ryerson Urban Farm, and 85-page course manual.</b></p> <p><i>This course is approved for 3.5 Continuing Education Units (CEUs) for GRPs.</i></p> <p>Instructors: Arlene Throness, Urban Farm Manager, Ryerson Urban Farm; Jayne Miles, Urban Farm Programs Coordinator, Ryerson Urban Farm</p>	<p>Ryerson University</p> <p>George Vari Engineering and Computing Centre, 245 Church Street</p> <p>Rm: ENG LG12</p>
<p><b>Green Wall 101 Course</b>  8:30am - 5:00pm</p> <p>The Green Walls 101: Introduction to Systems and Design course discusses design and construction best practices for green facades and living walls, as well as the latest research findings on the environmental benefits of these technologies. <b>Includes half-day presentation and Green Wall Walking Tour.</b></p> <p><i>This course is approved for 3.5 Continuing Education Units (CEUs) for GRPs.</i></p> <p>Instructor: Brad Bass, PhD, Environment Canada</p>	<p>Ryerson University</p> <p>George Vari Engineering and Computing Centre, 245 Church Street</p> <p>Rm: ENG LG13</p>
Wednesday, May 10 - Tours - Separate Registration Required	
<p><b>Bus Tour of Three Mississauga Low Impact Development (LID) Projects</b>  12:30pm - 5:00pm</p> <p>The tour includes the exploration of three different Mississauga Low Impact Development sites: Credit Valley Conservation's Head Office, Elm Drive and Wychwood sites.</p> <p>Tour Guide: Kyle Vander Linden, Water Resources Specialist, Credit Valley Conservation // Standalone tour price: \$69.00(CAD)</p>	<p>Tour will depart from 1255 Old Derry Road, Mississauga, ON L5N 6R4</p>
<p><b>Green Wall Walking Tour</b>  1:30pm - 4:00pm</p> <p>Two green walls will be featured in two spectacular green walls. Visit the 2012 CitiesAlive Awards of Excellence Green Wall that is prominently featured in Corus Quay, a LEED Gold Certified building. The five-story living wall biofilter acts as an indoor air purifier consuming volatile organic compounds (VOC's) and other air contaminants. You'll also tour the a 250 square foot biowall at Robertson Building where you will learn about the native and exotic green and flowering plants that were all selected for their ability to reduce indoor air contaminants.</p> <p>Tour Guide: Brad Bass, PhD., Environment Canada // Standalone tour price: \$39.00(CAD)</p>	<p>Ryerson University</p> <p>Meeting place: 215 Spadina at 1:30pm</p>
<p><b>Urban Agriculture Tour</b>  1:30pm - 4:00pm</p> <p>Tour Ryerson Urban Farm's (RUF) quarter-acre rooftop farm. It produces fruits and vegetables, provides opportunities for academic research, and enables the community to participate in cultivating and tending to the farm. Next, visit Scadding Court Community Centre which has piloted a sustainable urban agriculture and aquaponics system that improves food security and food education. Tour the aquaponics, greenhouses, and outdoor plots and learn technical design and maintenance features, as well as the social impact within the community.</p> <p>Tour Guides: Ryerson: Arlene Throness, Urban Farm Manager, and Jayne Miles, Urban Farm Programs Coordinator, Ryerson Urban Farm // Scadding Court Community Centre, Walter Quan, Lead Coordinator, Recreation &amp; Community Programs. // Standalone tour price: \$49.00(CAD)</p>	<p>Tour will depart from Ryerson University</p>
<p><b>Sustainable Buildings Tour</b>  1:30pm - 4:00pm</p> <p>Tour two of Toronto's most efficient buildings and explore how 25 York St and RBC Waterpark seamlessly integrate sustainable technologies to maximize efficiency and tenant experience.</p> <p>Tour Guide: TBC // Standalone tour price: \$39.00(CAD)</p>	<p>Meeting place: 25 York Street</p>
<i>Agenda &amp; schedule subject to change.</i>	