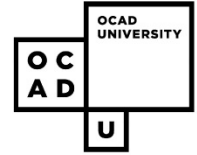




ONTARIO CLIMATE CONSORTIUM
Symposium 2018

Hosted by:

A central illustration of a globe surrounded by various icons representing sustainable urban development: a tree, a house, a person walking a dog, a sun, a wind turbine, a bicycle, a modern building, a duck, a cloud, a flower, a house with a chimney, and a wind turbine. The globe is the central focus, with the text 'Adaptive URBAN Habitats by Design' overlaid on it.

Adaptive
URBAN
Habitats
by Design

OCTOBER 11-12
OCAD University

PROGRAM

Thank You to Our Supporters

SPONSORS



IN-KIND SUPPORT



EXHIBITORS



Environment and
Climate Change Canada

Environnement et
Changement climatique Canada



Proud to support the 2018 Ontario Climate Symposium.

We're working together with the Ontario Climate Consortium to help create a more vibrant planet.



td.com/thereadycommitment

M05236 (0818)

DEPARTMENT OF
GEOGRAPHY, ENVIRONMENT
AND GEOMATICS

ONTARIO
CLIMATE CONSORTIUM

Supported by Toronto and Region Conservation Authority

Read our blog post &
download resources
@ www.cekap.ca

CEKAP

Community Energy Knowledge - Action Partnership

A partnership of Canadian universities, local and regional governance partners, and civil society organizations with a shared interest in community energy planning. We bring research and practice together to engage two core challenges, through six research themes:

Challenge 1

Alignments Across Orders of Government

Research Themes

Measuring Success / Key Performance Indicators	Data and Decision-support tools	Regulatory Alignments
Community Engagement Processes	Strategic Partnerships / Stakeholder Engagement	Regional / Inter-municipal Collaborations

Building Municipal Capacity

Challenge 2

Municipal Partners

University Partners

Civil Society & Research Partners

With funding from:

DAY ONE: Thursday October 11, 2018

TIME	ACTIVITY/PROGRAM			
7:30 - 8:30 am	Breakfast (Great Hall)			
8:30 - 10:00 am	Opening Ceremony: Chief R. Stacey Laforme Room 190 Mississaugas of the New Credit First Nation ... Keynote Address: Dr. Faisal Moola Room 190 Associate Professor, University of Guelph Former Director General, David Suzuki Foundation			
10:00 - 10:15 am	Break			
10:15 am - 12:15 pm	TRACK 1 PANEL Whose Vision, Whose Voice, Whose City: Creating Possibility through Engagement Room 230	TRACK 2 PANEL Frugal Food and Sustainable Cities: How Resilient Thinking Can Transform Future Cities and Urban Practices Room 240	TRACK 3 PANEL Greening the Grey: Climate Change and the Future of Urban Development Room 190	
	Lunch (Great Hall)			
1:30 - 4:30 pm	CONCURRENT SESSIONS (Note: all sessions are drop-in unless otherwise indicated.)			
	TRACK I INTERACTIVE PRESENTATION Integrated Community Energy and Harvesting Systems - McMaster University Group Room 554 ... INTERACTIVE CASE STUDY Lateral Dialogues: Engagement by Design - Stoss Landscape Urbanism and One Architecture & Urbanism Room 554 ... INTERACTIVE PRESENTATION Empowering Youth Through Community Knowledge Sharing - Savanta Room 542 2:30 pm ... INTERACTIVE PRESENTATION Henvey Inlet Wind Energy Centre - Savanta Room 542 1:30, 2:15 and 3:15 pm ... PHOTOGRAPHY EXHIBIT The Work of Wind: Documents, Reflections, and Lessons on Public Art and the Environment - Blackwood Gallery Room 240	TRACK II INTERACTIVE ART PRESENTATION Wasted - Crazy Dames, Gladki Planning & OCAD University Great Hall ... POSTER DISPLAY Urban Food Systems: Visions for Toronto - Laura Lebel-Pantazopoulos, OCAD University Room 543 ... SHORT FILMS Resilience Urbaine - Chrystelle Maechler & Andreas Krätschmer Room 230 ... INTERACTIVE GAMING Future Delta 2.0 Room 556 ... POSTER EXHIBIT A Neighbourhood-Based Solution for Sustainable Urban Renewal and Climate Action - SNAP Room 240	TRACK III WALKING TOUR Historical Neighbourhoods as Model Sustainable Communities - Stantec Inc. Meet at Registration Desk at 2:30 pm ... INTERACTIVE PRESENTATION Growing the Greenbelt - Jia Lu, University of Toronto Room 543 1:30, 2:15 and 3:45 pm ... INTERACTIVE PRESENTATION Mount Pleasant Natural Heritage System - Savanta Room 550 ... INTERACTIVE PRESENTATION Citizen's Coolkit on Climate Change and Urban Forestry Room 556 1:30, 2:15 and 3:45 pm ... INTERACTIVE PRESENTATION Help My Garden; Help the Environment; Help Build More Rain Gardens - Rain Gardens United Room 550	
	Networking Event and Cocktails (Great Hall) Hosted by Ontario Climate Consortium and Climate Action Network/Réseau Action Climat			
	6:30 - 8:00 pm	CALL OF THE FOREST Film Screening and Q&A with Diana Beresford-Kroeger Room 190		

DAY TWO: Friday October 12, 2018

TIME	ACTIVITY/PROGRAM
7:30 - 9:00 am	BREAKFAST (Great Hall)
9:00 am - 1:00 pm	<p style="text-align: center;">WORKSHOP Valuing the Benefits of Green Infrastructure Room 550</p>
9:00 am - 1:00 pm	<p style="text-align: center;">WORKSHOP Measuring Impact of Low Carbon Social Mobilization Initiatives Room 542</p>
9:30 am - 11:30 am	<p style="text-align: center;">RAIN GARDEN WALKING TOUR Help My Garden; Help the Environment; Help Build More Rain Gardens Meet outside the turnstiles/Presto exit doors of Coxwell subway station. Leaving 9:30 am sharp</p>
10:00 am - 12:00 pm	<p style="text-align: center;">MEDICINE WALK Forest Medicine for Toronto - With Diana Beresford-Kroeger Meet at northeast entrance to High Park.</p>
11:00 am - 1:00 pm	<p style="text-align: center;">WORKSHOP Reimagining Sustainable Food Systems Room 554</p>
1:00 pm - 2:30 pm	<p style="text-align: center;">Lunch & Closing Keynote: Dianne Saxe Environmental Commissioner of Ontario Great Hall</p>
3:00 - 4:00 pm	<p style="text-align: center;">GUIDED TOUR Anthropocene Exhibit at the Art Gallery of Ontario Meet at Registration Desk at 2:30 pm</p>

OPENING CEREMONY

[Back to Schedule](#)

Thursday October 11, 2018
8:30 am | Room 190

[View OCAD Floor Maps](#)

Chief R. Stacey Laforme | Mississaugas of the New Credit First Nation (MNCFN)



R. Stacey Laforme is the elected Chief of the Mississaugas of the New Credit First Nation (MNCFN). Born and raised on MNCFN, Chief Laforme has served his community for more than 18 years, having been first elected to council in 1999.

Chief Laforme has participated in a number of committees and boards throughout his seven terms. His service as a Councillor included involvement with the MNCFN's Pan Am Games Secretariat (PAGS), as Chair of the PAGS Committee.

Chief Laforme is committed to increasing involvement and communication between Elected Council and both on and off-reserve membership. He is active throughout MNCFN's traditional territory, which encompasses 3.9 million acres of Southern Ontario, not only as a Chief but as a notable storyteller and poet.

Chief Laforme has recently been appointed an honorary senior fellow for Massey College, joining the duke of Edinburgh and the Chancellor of Oxford as just the third person to receive the College's highest honor.

OPENING KEYNOTE

[Back to Schedule](#)

Thursday October 11, 2018
8:30 to 10:00 am | Room 190

[View OCAD Floor Maps](#)

Recognizing the true value of nature in the Age of the Anthropocene

By Dr. Faisal Moola, PhD | Associate Professor, University of Guelph

Humans have long been able to affect the environment, but never before on such a scale. We are now altering the Earth's carbon cycle, which has led to climate change; we have replaced green space and farmland with expanding towns and cities, which has not only resulted in the decline of once common species, like monarch butterflies, but has made us more vulnerable to climate change impacts as well – such as catastrophic flooding and extreme heat.

Given our impacts around the planet, Nobel Prize-winning chemist Paul Crutzen has declared that the current geologic period should be called the Anthropocene Epoch to reflect our new status as a global force in driving ecological change.

Join Dr. Faisal Moola in this opening keynote as he addresses the issues of “the Human Age”.

About Dr. Faisal Moola



Before joining the University of Guelph, Professor Faisal Moola worked for the David Suzuki Foundation for over 15 years, where he was the organization's Director General for Ontario and Northern Canada.

Holding a PhD in biology from Dalhousie University, Moola has published widely in scientific journals on the topics of ecology, conservation biology, and environmental policy, and has contributed to a number of significant conservation and sustainability policy outcomes in Canada. He also works closely with First Nations communities in defense of their lands and Treaty Rights.

Moola is a regular contributor to the Toronto Star, Vancouver Sun, Globe and Mail, CBC and other media outlets as an opinion writer and political analyst.

CLOSING KEYNOTE

[Back to Schedule](#)

Friday October 12, 2018
1:00 to 2:30 pm | Great Hall

[View OCAD Floor Maps](#)

By Dianne Saxe | Environmental Commissioner of Ontario

Environmental Commissioner of Ontario Dianne Saxe will provide an overview of her most recent Greenhouse Gas Progress Report. The Commissioner will discuss Ontario's current greenhouse gas (GHG) emissions, what needs to be done, and key roles for the government in reducing emissions and adapting for the future.

It is too late to just talk about the climate -- what counts now is action.

About Dianne Saxe



Dianne Saxe is the Environmental Commissioner of Ontario (ECO), a tough but fair watchdog over Ontario's environmental, energy and climate performance, and guardian of the Environmental Bill of Rights, 1993 (EBR).

Prior to her appointment, Dianne was one of Canada's most respected environmental lawyers. She has 40 years of unparalleled experience writing, interpreting and litigating Ontario's energy and environmental laws.



SCREENING

[Back to Schedule](#)

Thursday October 11, 2018
 6:30 to 8:00 pm | Room 190

[View OCAD Floor Maps](#)

NOTE: This screening is open to the public. Donation required for Healing Gardens for Children with Anxiety (Suggested amount: \$20+)

Call of the Forest: The Forgotten Wisdom of Trees

Join **Diana Beresford-Kroeger** for this screening of the documentary *Call Of The Forest: The Forgotten Wisdom Of Trees*. The film follows Diana as she investigates our profound biological and spiritual connection to forests. Her global journey, which takes her to the most beautiful forests in the Northern Hemisphere, from the sacred sugi and cedar forests of Japan to the great boreal forest of Canada, is a fascinating exploration of the science, folklore and restoration challenges of this essential ecosystem.

After the screening, Diana will host a special Q&A that further examines the amazing stories behind the history and legacy of these ancient forests, while also delving into the science of trees and the irreplaceable roles they play in protecting and feeding the planet.

About Diana Beresford-Kroeger



A botanist, medical biochemist and author, Diana Beresford-Kroeger possesses a unique combination of western scientific training and an understanding of the knowledge and methods of a wide variety of traditional and alternative sources.

She works to bring understanding and appreciation of the scientific complexities of nature to the general public. Beresford-Kroeger's concept of bioplanning challenges ordinary people to develop a new relationship with the natural world, to view the environment as a biological system and to perform the ecological task of replanting the global forest.

Her books include *The Sweetness of a Simple Life*, *The Global Forest*, *Arboretum Borealis: A Lifeline of the Planet*, *Arboretum America: A Philosophy of the Forest*, and *A Garden for Life*. In 2011 she was elected as a fellow of the Royal Geographical Society, which in 2016 named her one of 25 women explorers of Canada.

PANEL

Track 1

[Back to Schedule](#)

Thursday October 11, 2018
10:00 am to 12:00 pm | Room 230

[View OCAD Floor Maps](#)

Whose Vision, Whose Voice, Whose City: Creating Possibility through Engagement

PART I: WHOSE VISION, WHOSE VOICE, WHOSE CITY

Inclusive models of decision-making are often championed as pathways toward resilient and low-carbon (i.e., 'climate-smart') urban development.

In theory, social inclusion improves procedural justice by opening up the decision-making process to multiple voices and value systems, while also improving distributional justice to the extent that unintended outcomes and inequities might be foreseen and mitigated early in the decision-making process.

This two-part panel brings together critical perspectives on climate-smart urban development and "creating possibility through engagement" with particular emphasis on the role of 'inclusion' and participatory governance models at different scales of interaction and analysis. Speakers bring first-hand experience working with different communities of citizens, stakeholders and officials in Ontario to formulate shared visions, align actions across a wide range of contexts, and to build consensus through a common goal and objective.

MODERATOR

Amanda Kennedy | Kennedy Consulting



Amanda Kennedy is a Toronto-based facilitator and public engagement specialist. Amanda is the principal consultant and owner of Kennedy Consulting. Amanda supports clients on complex, community-based projects with a primary focus on climate change and energy.

[More](#) →

← Continued from previous page

Track 1

Back to Schedule

PANELISTS

Kirby Calvert | Assistant Professor, University of Guelph



Kirby Calvert's teaching and research program addresses questions surrounding energy and energy transitions through a geographic lens. He is currently studying how and in what ways the implementation of renewable energy (RE) technologies is impacting patterns of land-use, resource management, and energy system governance. He is also applying geospatial information technologies to help facilitate informed decisions for renewable energy implementation and community energy planning.

Craig Johnson | Professor, University of Guelph

Dr. Craig Johnson is Professor of Political Science at the University of Guelph. He holds a PhD in International Development from the London School of Economics (LSE), and has taught at the LSE, University College London and the University of Oxford.

Dr. Johnson has published widely in the field of international development, focusing primarily on questions of urbanization, decentralization and environmental governance in South Asia, Southeast Asia and Latin America. His latest book is *The Power of Cities in Global Climate Politics*.



Laura Tozer | Durham University



Laura Tozer is a Postdoctoral Research Associate at Durham University, UK. Her research focuses on how to catalyze low carbon and urban sustainability transformations, particularly by finding ways to accelerate the implementation of nature based solutions, renewable energy, and building energy efficiency in cities.

More →

← Continued from previous page

Track 1

Back to Schedule

PART II: CREATING POSSIBILITY THROUGH ENGAGEMENT

PANELISTS

Kevin Best | Rivercourt Engineering



Producer, consultant, activist and businessman, Kevin Best has been a fierce champion of environmentalism and a proponent of indigenous causes throughout his varied, dynamic career -- and, since 1975, has been considering the establishment of communities and asking questions about how to save the world.

Kevin and his colleagues at Rivercourt Engineering have long been voices for the realization of a sustainable culture and infrastructure through integrated, holistic approaches. Kevin compliments this commitment with his comprehensive knowledge of organizational structure and 40-year involvement in social and environmental causes.

Liz Couture | Unify Toronto

Liz Couture is a member of the Unify Toronto core team, bringing the Drawdown program to Toronto communities through Paul Hawken's 2017 bestseller *DRAWDOWN: The Most Comprehensive Plan Ever Proposed to Reverse Global Warming*.

"Ms Liz," as her students call her, is a piano teacher in Richmond Hill, north of Toronto. She is a volunteer lobbyist with the Citizens' Climate Lobby, was a former Steering Committee Member in Transition York Region, and has experience in Ontario provincial politics as the Central Ontario Regional Representative, and as a member of the Campaign Committee. Liz also ran as the Richmond Hill Green Party Candidate in 2007.



More →

← Continued from previous page

Track 1

[Back to Schedule](#)

PANELISTS (continued)

Peter Jones | Managing Partner, Redesign Network



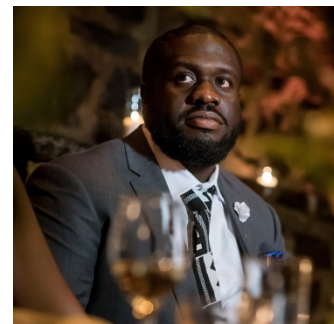
Dr. Peter Jones is an innovation advisor who founded the Redesign Network in 2001 (in the US) and moved the firm to Toronto, where he leads product and system design for healthcare, public health, and information services. Redesign facilitates system-level (systemic) design for communities, organizations, and stakeholder groups, and conducts strategic foresight for visioning and planning.

Peter is an associate professor at OCAD University, where he teaches in the Strategic Foresight and Innovation and Design for Health graduate programs, and leads innovation research and community engagement through the Strategic Innovation Lab (slab.ocadu.ca). Peter founded and facilitates a community dialogue program known as Design with Dialogue, held monthly since 2008 at OCADU. He was a founder of the Systemic Design Research Network (SDRN) and is a co-chair of the international Relating Systems Thinking and Design Symposium.

Julius Lindsay | City of Mississauga

Julius Lindsay is a Community Energy Specialist for the City of Mississauga. He has extensive experience engaging stakeholders in environmental initiatives, both in his current role and in his former position with Infrastructure Ontario.

From modeling greenhouse gas (GHG) emissions and performing vulnerability assessments to developing energy and sustainability plans, Julius has a wealth of experience in environmental management that he actively shares with his peers in the Partners for Climate Protection network.



PANEL

Track 2

[Back to Schedule](#)

Thursday October 11, 2018
10:00 am to 12:00 pm | Room 240

[View OCAD Floor Maps](#)

Frugal Food and Sustainable Cities: How Resilient Thinking Can Transform Future Cities and Urban Practices

This panel focuses on the ways resilient thinking and frugality might transform future cities and urban practices, opening up paths for sustainable production, consumption, and societal organization.

Whether using passive solar heated greenhouses as a strategy for creating resilient, low carbon, urban food production systems, approaching and repurposing food waste as a resource for creativity and innovation, or incorporating art, modernization, and community building into design, panelists will venture into their sustainable vision for Southern Ontario and future modes of urban settlement, taking into account the complex interactions among economy, society, and the environment.

PANELISTS

Alex Chapman | City of Guelph



Alex Chapman is Manager of the Climate Change Office for the City of Guelph. He is a Certified Energy Manager, a Certified Energy Auditor and a certified Renewable Energy Professional.

In his diverse career he has done project engineering in the pulp and paper industry, academic research for the Technical University of Delft in the Netherlands, sub-sea pipeline installation in Europe for the oil and gas sector, business analysis and IT project management for one of the world's largest professional services firms, and sales and marketing for a solar energy installation contractor. He serves on the Energy Task Force of the Association of Municipalities of Ontario and the IESO Data Strategy Advisory Council, and is a member of the Association of Energy Engineers.

[More →](#)

← Continued from previous page

Track 2

[Back to Schedule](#)

PANELISTS (Continued)

Ian D. Clarke | Associate Dean, OCAD University

Ian D. Clarke is a book-artist, printmaker, photographer, scientist and designer. He holds a PhD in Biochemistry from Queen's University and graduated in Printmaking from the Ontario College of Art & Design. Currently he is the Associate Dean of Research and Academic Affairs in the Faculty of Liberal Arts and Sciences and School of Interdisciplinary Studies at OCAD University.

He has published numerous scientific papers on Brain Tumour Stem Cells and Genomics in international journals such as *Nature*, *Cancer Cell*, *Cell Stem Cell* and the Proceedings of the National Academy of Science. He has served as a board member and vice president of The Canadian Bookbinders and Book Artist's Guild. His current research focuses on urban agriculture and passive solar heated greenhouse design.



Selmin Kara | Associate Professor, OCAD University



Selmin Kara is an Associate Professor of Film and New Media at OCAD University. She has critical interests in digital aesthetics and the ecological imaginary in cinema, and is currently working on a book project exploring the cinematic representations of the Anthropocene.

Selmin is the co-editor of *Contemporary Documentary* and her work has also appeared in *Post-Cinema: Theorizing 21st Century Film*, the *Oxford Handbook of Sound and Image in Digital Media*, *Studies in Documentary Film*, *Music and Sound in Nonfiction Film*, and *The Philosophy of Documentary Film*.

[More →](#)

← Continued from previous page

Track 2

[Back to Schedule](#)

PANELISTS (Continued)

Helen Kerr | Assistant Professor, OCAD University

Helen Kerr's multi-disciplinary work combines design, foresight and strategy to understand resilience, now and in the future, in complex situations.

An assistant professor and researcher in the Master of Design in Strategic Foresight and Innovation program at OCAD University, she has been principal investigator for foresight projects in the government, healthcare, education, arts and financial sectors, leading participatory and co-creative processes involving wide engagement. Her most current project focused on exploring the futures of land use and multi-modal transportation in Southern Ontario for 2071.



Alia Weston | Assistant Professor, OCAD University



Alia Weston is an Assistant Professor at OCAD University. She has an expertise in the areas of business management and design, and her research is focused on understanding how creativity and business can contribute to positive social change. Key themes in her research include exploring creative resistance within resource constrained environments, and exploring how alternative business practices can contribute to solving key challenges in society.

Alia's work has been published in a diverse range of media. This includes scholarly work in *Organization* journal, edited collections on *Critical Perspectives on Entrepreneurship*, and *Precarious Spaces: The Arts, Social & Organizational Change*, as well as The Globe and Mail.

In conjunction with her research she hosts workshops and exhibitions which engage with issues related to creative and sustainable work practices. A notable example is the (Re)² Reconstructing Resilience, conference and art exhibition.

PANEL

Track 3

[Back to Schedule](#)

Thursday October 11, 2018
 10:00 am to 12:00 pm | Room 190

[View OCAD Floor Maps](#)

Greening the Grey: Climate Change and the Future of Urban Development

As urban development within cities continues to grow in an effort to meet the needs of a rising population, the challenging question we will continue to face is: *Are our cities prepared for climate change -- and what role can green infrastructure play in mitigating the impacts of a changing climate?* This panel will discuss these and other questions, to investigate the benefits of green infrastructure in urban areas. We will look at examples from nature, from historical neighbourhoods, and from urban developments in Ontario. Panelists will also discuss the role artists play in engaging the community in greening infrastructure.

MODERATOR

Usman Khan | Assistant Professor, York University



Dr. Usman T Khan is an Assistant Professor in Civil Engineering at the Lassonde School of Engineering, York University and the Chair of the President's Sustainability Council. His research interests lie in Water Resources Engineering, focusing on urban hydrology, including flood risk assessment and uncertainty analysis, sustainable water resource management and infrastructure and the impacts of climate change on these systems.

Dr. Khan received his B.Sc. and M.Sc. from the University of Calgary. His undergraduate project focused on designing a net zero water use building on a university campus. For his M.Sc. research, he tested the efficacy of bioretention cells, a type of sustainable stormwater management technology. Dr. Khan was awarded a PhD from the University of Victoria; his research contributions included designing new big-data based techniques to improve water quality and quantity analysis in urban areas.

[More →](#)

← Continued from previous page

Track 3

[Back to Schedule](#)

PANELISTS

Alice Dixon | Infrastructure Ontario



Alice Dixon is a sustainability analyst with Infrastructure Ontario. She holds a master's degree in environmental studies and planning from York University, and studied urban water planning at Delft University of Technology, Netherlands. She has written for *TREC* on renewable energy in Canada, and *Spacing* magazine on green infrastructure.

Lorraine Johnson | Author

Lorraine Johnson is the author of numerous books on habitat gardening with native plants, urban agriculture and environmental issues, such as *Tending the Earth: A Gardener's Manifesto*, *City Farmer* and *Green Future*. She is the editor of *Ground: Landscape Architect Quarterly*, and active in the community gardening movement, urban forest advocacy, and the effort to legalize backyard hens in Toronto.



Michelle Sawka | Green Infrastructure Ontario Coalition



Michelle is a program manager for Toronto and Region Conservation Authority (TRCA), where she manages the Green Infrastructure Ontario Coalition. In this role she coordinates the coalition's research, advocacy and communications, and works to increase green infrastructure awareness across the province.

[More →](#)

← Continued from previous page

Track 3

[Back to Schedule](#)

PANELISTS (Continued)

Ian Roul | GeoProcess Research Associates



Ian has been working in the field of ecological consulting and restoration since 1999. His experience is focused on terrestrial and wetland ecology, ecological planning, environmental impact studies and environmental assessments. Ian has developed numerous mitigation and restoration plans for residential projects, road and highways, and linear infrastructure. Recently Ian has presented at academic conferences on the subject of low impact development and hydrological connections between development and natural systems. He has been a speaker at workshops presented by the Ontario Professional Planning Institute to discuss low impact development and ecology.

Ian is a recognized expert witness in the field of wetlands and ecological planning before the Ontario Municipal Board. Additionally, he has presented at academic conferences on wetland restoration and hydrology.

Ioannis Tsanis | Technical University of Crete & York University

Dr. Ioannis Tsanis is a Professor in the School of Environmental Engineering at Technical University of Crete (TUC), a Professor Emeritus in the Department of Civil Engineering at McMaster University, an Adjunct Professor at York University and an Associate Fellow Member of Climate Service Center, Germany.

He is currently participating in several research projects studying the impact of climate change on water resources, extreme events (floods and droughts), ecosystem tipping points, soil degradation, agriculture, tourism and energy.



[More →](#)

← Continued from previous page

Track 3

[Back to Schedule](#)

PANELISTS (Continued)

David Waverman | Stantec



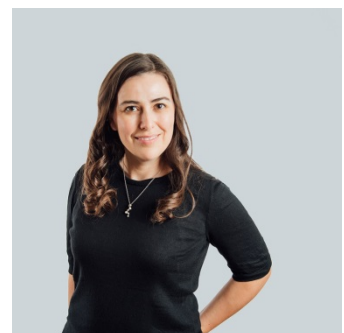
David is a University of Toronto educated landscape architect with more than 32 years of design and construction experience and more than 15 years as a senior cultural heritage landscape architect with full membership in the Ontario Association of Landscape Architects (OALA), Canadian Society of Landscape Architects (CSLA), and Canadian Association of Heritage Professionals (CAHP).

He has been an employee of Stantec Consulting Ltd. for more than five years. David has won regional, national and international awards for his research and restoration of J.E.H McDonald's (founding member of the Group of Seven) garden, the subject of the iconic Canadian painting *The Tangled Garden*. The project was completed on behalf of the City of Vaughan.

Heather Whitehouse | Savanta

Heather Whitehouse is Senior Ecologist, Project Director with Savanta. She has 13 years of experience in natural habitat design, construction and monitoring.

Climate change resilience, enhancing local biodiversity, and connecting people with nature are key elements in her design. Heather creates urban ecological habitats where residents can engage and foster a relationship with nature, and in the process become stewards through ecological monitoring and maintenance.



INTERACTIVE PRESENTATION

Track 1

[Back to Schedule](#)

Thursday October 11, 2018
1:30 to 4:30 pm | Room 554

[View OCAD Floor Maps](#)

Integrated Community Energy and Harvesting Systems

Presented by McMaster Institute for Energy Studies

Integrated Community Energy and Harvesting Systems (ICE-Harvest) is a cooperative research project that brings together industry and academia. It uses a systems approach to integrate thermal and electrical energy production, storage, redistribution and consumption that reduces greenhouse gas emissions.

The ICE-Harvest system goes beyond traditional combined heat and power systems at the community level. Not only does it provide heat as a by-product of natural gas power plants, but it goes beyond a traditional District Energy approach because it harvests excess heat from our community for redistribution when and where it is needed.

By employing a combination of demand management technologies - heat pumps and absorption chillers coupled with thermal and electrical storage - to manage and balance the shifting electrical and thermal energy needs of our communities.

About McMaster Institute for Energy Studies

McMaster Institute for Energy Studies (MIES) provides a forum for cooperation and engagement and acts as a point of contact at McMaster for energy-related opportunities.

MIES encourages and fosters interdisciplinary systems-level solutions to energy problems, while innovating new technologies and providing advice to governments and industry of our current and future energy systems.

INTERACTIVE CASE STUDY

Track 1

[Back to Schedule](#)

Thursday October 11, 2018
1:30 to 4:30 pm | Room 554

[View OCAD Floor Maps](#)

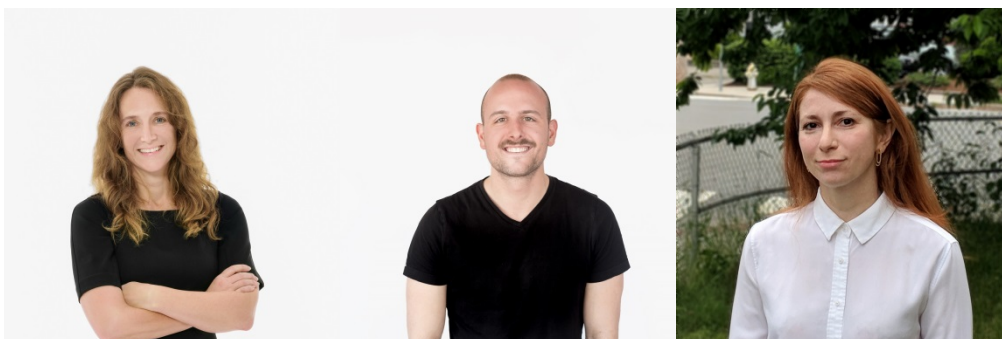
Lateral Dialogues: Engagement by Design

Presented by Stoss Landscape Urbanism & One Architecture & Urbanism

The Moakley Park Vision Plan, led by Stoss Landscape Urbanism (Stoss) and One Architecture & Urbanism (ONE) in partnership with the City of Boston Parks and Recreation Department and the Environment Department of the City of Boston, is a comprehensive long-term plan for an historic waterfront park in South Boston. Originally intended to be a node in Frederick Law Olmsted's partially realized Emerald Necklace plan, today the park faces a number of climate stresses, including repeat flooding and lack of effective drainage.

To aid in the development of a vision that pairs resilient infrastructural upgrades with improvements in recreational access and community-focused spaces, Stoss, ONE, and the City have led a number of community engagement sessions using innovative forms of "engagement by design," allowing residents and stakeholders to participate directly in the design process.

Presenters



Left to Right: Amy Whitesides, Studio Director, Stoss Landscape Urbanism; Alex Marchinski, Landscape Designer, Stoss Landscape Urbanism; Dalia Munenzon, Boston Associate, One Architecture & Urbanism

[More](#) →

← Continued from previous page

Track 1

Back to Schedule

About Stoss Landscape Urbanism

Stoss Landscape Urbanism (Stoss) is a Boston-based design firm specializing in urban and landscape revitalization, designing public spaces, cities, and landscapes to respond and adapt to changes in climate, demographics, and economies.

About One Architecture & Urbanism

One Architecture & Urbanism (ONE) is an Amsterdam and New York-based design and planning firm specializing in large-scale resilience planning and infrastructure, known for its unique approach in which financial, technical, and organizational issues are addressed and resolved through design.

INTERACTIVE PRESENTATION

Track 1

[Back to Schedule](#)

Thursday October 11, 2018
2:30 pm | Room 542

[View OCAD Floor Maps](#)

Empowering Youth Through Community Knowledge Sharing: Wiigwaas Youth Camp

Presented by **SAVANTA**



Presenter Marian Tibor-McMahon and a Wiigwaas camp participant planting sage, one of the four sacred medicines of the Anishnawbek people.

The Wiigwaas Youth Camp is a community program facilitated by Savanta and Henvey Inlet First Nation (HIFN) Elders and knowledge keepers to provide an avenue for youth to reconnect with culture, language and spirituality while learning about their environment through both traditional knowledge and science.

Through mixed media (including videos, photographs and displays), HIFN and Savanta will demonstrate the value of the Wiigwaas Youth Camp by merging art, traditional cultural storytelling and environmental science as it relates to the local ecology.

Presenters



Angele Dubois is Youth Engagement Facilitator for Henvey Inlet First Nation. She has been running youth programs in the community for 3 years, through a partnership with an organization called Right to Play. Her Summer Camp, After School and Youth Leadership programs reach most of the school age children in Henvey Inlet.

[More](#) →

← Continued from previous page

Track 1

Back to Schedule

Presenters (Continued)



Marian Tibor-McMahon is Indigenous Engagement and Socio-Economic Specialist with Savanta. She has 10 years of experience in community engagement and socio-economic studies. She has undertaken Indigenous and public engagement and socio-economic impact assessments for a variety of projects in the transportation, mining, and power sectors. She has participated in the development of various youth camps to integrate traditional knowledge and western science to provide youth with a holistic perspective of the environment.

About SAVANTA

Savanta is the environmental consulting firm that delivers precedent-setting and meaningful outcomes. Our diverse team actively listens, thinks differently, and is passionate about delivering balanced environmental, economic, and social outcomes.

We are known for finding innovative solutions to difficult environmental and approval challenges. Our specialized natural heritage technical expertise, leading capabilities in socio-economic and climate change work, and our "out-of-the-box" thinking help us achieve desired outcomes for our clients. We work collaboratively amongst various stakeholders, turning away from the common reflex reaction to settle into polarized positions. We continue to successfully attract clients and staff that share this vision and approach to business.

INTERACTIVE PRESENTATION

Track 1

[Back to Schedule](#)

Thursday October 11, 2018
1:30, 2:15 and 3:15 pm | Room 542

[View OCAD Floor Maps](#)

Henvey Inlet Wind Energy Centre: Our Path to Independence

Presented by **SAVANTA**

By finding that delicate balance of using the gifts from mother earth and respecting the sacred relationship with the environment, the Henvey Inlet First Nation leadership has successfully created their path to independence.

In February 2016, Savanta was appointed by HIFN Chief and Council to serve as their Environmental Commissioner, tasked with overseeing the implementation of the Environmental Stewardship Regime including the Environmental Permit issued for the Henvey Inlet Wind Energy Centre (HIWEC) Project. The Environmental Commissioner is a key component of a new and innovative model for Indigenous environmental stewardship and management. This model allows the First Nation to make independent and informed decisions on activities occurring within their First Nation Lands; a role traditionally played by the federal government.

Presenters



Patrick Brennan is a member of Henvey Inlet First Nation. During his three terms as a council member he has been delegated portfolios in Education, Human Resources and the Lands Portfolio. He is well versed and experienced in developing HIFN Land Laws that are specific to the HIWEC. Patrick has a passion for ensuring the inherent rights over their lands is understood and respected.



Tanya Hutchings brings more than 15 years of experience to her role as Senior Project Coordinator with Savanta. As an Indigenous person from Matachewan First Nation, she compliments her traditional knowledge with a strong understanding of all aspects of Indigenous Project Management. She is passionate about Indigenous projects that are inclusive to capacity building and resource management.

[More →](#)

← Continued from previous page

Track 1

[Back to Schedule](#)

About SAVANTA

Savanta is the environmental consulting firm that delivers precedent-setting and meaningful outcomes. Our diverse team actively listens, thinks differently, and is passionate about delivering balanced environmental, economic, and social outcomes.

We are known for finding innovative solutions to difficult environmental and approval challenges. Our specialized natural heritage technical expertise, leading capabilities in socio-economic and climate change work, and our "out-of-the-box" thinking help us achieve desired outcomes for our clients. We work collaboratively amongst various stakeholders, turning away from the common reflex reaction to settle into polarized positions. We continue to successfully attract clients and staff that share this vision and approach to business.

PHOTOGRAPHY EXHIBIT

Track 1

[Back to Schedule](#)

Thursday October 11, 2018
1:30 to 4:30 pm | Room 240

[View OCAD Floor Maps](#)

The Work of Wind: Documents, Reflections, and Lessons on Public Art and the Environment

Presented by the Blackwood Gallery

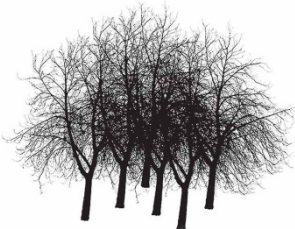
This presentation brings together photographic documentation from the site-specific public art exhibition *The Work of Wind: Air, Land, Sea*, a project dedicated to opening perspectives on climate change, environmental crisis, and resilience.

Over the course of 10 days, Mississauga's Southdown Industrial Area was transformed by 13 large-scale commissions, performances, film screenings, workshops, and other on-site programming.

Reflecting on this transformational project, this presentation explores how contemporary art can enable artists, thinkers, industry leaders, and everyday citizens to engage with each other in meaningful discussion about climate change and environmental responsibility.

#workofwind

About the Blackwood Gallery



The Blackwood Gallery is a contemporary art centre situated on the University of Toronto Mississauga campus, and dedicated to open, public research. We present curated exhibitions featuring the work of local, national, and international professional artists, and offer visitors opportunities to grapple with the conflicts, challenges, and questions of our time: How do our respective living conditions impinge upon each other? What kind of a future do we want to live in? How can we shape our world more intelligently, but also more poetically?

INTERACTIVE ART PRESENTATION

Track 2

[Back to Schedule](#)

Thursday October 11, 2018
1:30 to 4:30 pm | Great Hall

[View OCAD Floor Maps](#)

WASTED

Presented by Crazy Dames, Gladki Planning & OCAD University



WASTED is an interactive art installation that asks participants to collaboratively reflect on how our patterns contribute to the growing amount of recyclable clothing within our landfills.

You are invited to come spend time in this multi-colored, upcycled macramé web of recycled textiles, where you can help us work with these materials and share ideas about how we can collectively act at the individual, neighbourhood and city-scale to reduce our impact.

About Crazy Dames

As a reclamation and an ode to Jane Jacobs -- the seminal urban theorist often dismissed as a "crazy dame" by male counterparts -- we use the artist's studio as an experimental lab to test Jacobs' "crazy" ideas: her focus on people and fostering tactical and collaborative approaches to our cities.

POSTER DISPLAY

Track 2

[Back to Schedule](#)

Thursday October 11, 2018
1:30 to 4:30 pm | Room 543

[View OCAD Floor Maps](#)

Urban Food Systems: Visions for Toronto

By Laura Lebel-Pantazopoulos | OCAD University

Urban Food Systems: Visions for Toronto explores the emerging projects and policies surrounding urban food systems, and generates a collective vision map for Toronto.

Through research and key informant interviews with people disrupting Toronto's urban food landscape, this project plots the trends, themes, spaces and challenges of urban food, and imagines how innovative urban food systems could collectively contribute to the local food economy, reduce food waste, bring urban communities closer to food, and heighten consciousness of the environmental impacts of food production. These systems may also support resilient communities, encourage healthy lifestyles, and serve low-income families.

Presenter



Laura Lebel-Pantazopoulos is an Industrial Design student at OCAD University, focused on understanding, thinking, caring and creating. She has a range of experience from UX design and rapid prototyping, to graphic design, branding and community design. A Toronto native, she also has a passion for beautiful, healthy and livable cities.

SHORT FILMS

Track 2

[Back to Schedule](#)

Thursday October 11, 2018
1:30 to 4:30 pm | Room 230

[View OCAD Floor Maps](#)

Resilience Urbaine

By Chrystelle Maechler & Andreas Krätschmer

If you could make a difference in your city, would you?

This documentary series take viewers on a candid journey with optimism and compassion. The four 15-minute episodes explore themes related to the economy, environment, food insecurity and social justice which challenges viewers to make the city a more fair and sustainable place while becoming a part of the solution. With interviews with some community builders and thinkers who are making positive changes day-in and day-out, Urban Resilience will not only showcase the spirits championing the future of our cities, but also the ways in which we can help to keep the spirit of resilient cities flourishing for years to come.

#resilientto

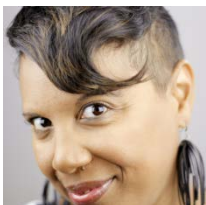
Writer, Narrator & Director: Chrystelle Maechler

Director of Photography: Andreas Krätschmer

EPISODES:

1. *Rethink Our Food Culture*
2. *Rethink Our Economy*
3. *Rethink Our Relationship to the Environment*
4. *Rethink Our Vision of Urbanism*

About the Filmmakers



Chrystelle Maechler (left) and **Andreas Krätschmer** are the visual storytellers behind the documentary series, *Urban Resilience Toronto*. Based out of Toronto, the pair have long developed video content out of a passion and desire to showcase their love and appreciation for the world around them.

INTERACTIVE GAMING

Track 2

Back to Schedule

Thursday October 11, 2018
1:30 to 4:30 pm | Room 556

[View OCAD Floor Maps](#)

Future Delta 2.0

Presented by Cindy Zhaohua Cheng | University of British Columbia

Future Delta 2.0 (FD2) is a place-based educational video game on climate change, co-designed and tested with teachers and students in British Columbia's Delta School District. FD2 enables real-life exploration of students' neighborhoods and promotes learning of climate change causes and impacts, while also allowing students to interact within a virtual community to find sustainable alternative solutions. **Please visit www.futuredelta2.ca for more information on the project and to download the game for free.**



Presenter



Zhaohua (Cindy) Cheng is a PhD student at the Faculty of Forestry, University of British Columbia (UBC). She has more than five years of research experience in climate change mitigation, low-carbon economy, and community engagement. She is also very interested in exploring current challenges and opportunities in urban forestry in different parts of the world (especially in rapidly urbanizing regions like China), and developing better approaches to build a healthier, greener and more resilient community. Besides her research and study, she is working as the coordinator of the Bachelor of Urban Forestry Program at UBC in the strategic planning and management of the program.

POSTER EXHIBIT

Track 2

[Back to Schedule](#)

Thursday October 11, 2018
1:30 to 4:30 pm | Room 240

[View OCAD Floor Maps](#)

A Neighbourhood-Based Solution for Sustainable Urban Renewal and Climate Action

Presented by Sustainable Neighbourhood Action Program (SNAP)



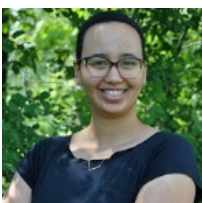
The Sustainable Neighbourhood Action Program (SNAP) is a proven solution for sustainable urban renewal that places neighbourhoods at the centre of the implementation framework. Drawing on 50 years of sustainable city-building experience, Toronto and Region Conservation Authority (TRCA) has developed SNAP to help municipalities improve efficiencies, draw strong local community support and build trust for long-term engagement as they implement climate change-related urban renewal initiatives.

In partnership with Region of Peel and Town of Caledon, the West Bolton SNAP is being developed in collaboration with The Daniels Faculty of Architecture, Landscape, and Design at the University of Toronto. Join staff and faculty members for an interactive discussion on the co-creation process. There will be a display of the community consultation boards that the West Bolton SNAP team used for the Action Plan co-creation. Attendees will have an opportunity to see the proposed ideas and inspirational projects brought together by the Daniels Faculty and talk with staff and students about the development of this Action Plan.

Presenters



Justyna Braithwaite works as a Coordinator with the Sustainable Neighbourhoods Group at Toronto and Region Conservation Authority (TRCA). Since joining TRCA, Justyna has been working on advancing sustainability at the neighbourhood level through Sustainable Neighbourhood Action Program (SNAP) projects. She currently supports the development and implementation of a SNAP in the Town of Caledon.



Courtney den Elzen is an Assistant Coordinator for the Sustainable Neighbourhoods Group at Toronto and Region Conservation Authority. For the West Bolton SNAP project, she assists in the Action Plan development and leads the Home Retrofit Program to connect residents with incentives and other programs to help them be more sustainable.

WALKING TOUR

Track 3

Thursday October 11, 2018
Meet at Registration Desk at 2:30 pm

[Back to Schedule](#)

Historical Neighbourhoods as Model Sustainable Communities

Presented by  Stantec

Members of Stantec’s Ontario-based Cultural Heritage team have worked on several heritage conservation district studies and plans in southwest Ontario. Though studied primarily for their heritage value and interest, we began observing other types of characteristics typical of these older or mature neighbourhoods. We began to see these as **model sustainable neighbourhoods**.

They are also Canada’s most desirable neighbourhoods based on annual polls by the Canadian Institute of Planners. The reasons? Walkability, alternative modes of transportation including public transit, walking and cycling. Less need for parking spaces when alternate modes of transportation are used. Increased infiltration. Shaded boulevards for reduced heat island effect.

The goal of the work is to identify the elements of these older neighbourhoods that contribute to social, economic and environmental sustainability.

Tour Map



[More →](#)

← Continued from previous page

Track 3

[Back to Schedule](#)

Tour Guides



David Waverman is a University of Toronto educated landscape architect with more than 32 years of design and construction experience and more than 15 years as a senior cultural heritage landscape architect with full membership in the Ontario Association of Landscape Architects (OALA), Canadian Society of Landscape Architects (CSLA), and Canadian Association of Heritage Professionals (CAHP). He has been an employee of Stantec Consulting Ltd. for more than five years.



Laura Walter is a Cultural Heritage Specialist with Stantec Consulting Ltd. Laura brings more than five years of experience in the promotion and preservation of history through public education and interaction, building conservation and museums. She is a graduate of the University of Western Public History MA program and an intern with the Canadian Association of Heritage Professionals (CAHP). Laura's work in the field of cultural heritage with Stantec includes cultural heritage evaluation reports, heritage conservation district studies, strategic conservation plans and other heritage impact assessments.

About Stantec

Communities are fundamental. Whether around the corner or across the globe, they provide a foundation, a sense of place and of belonging. That's why at Stantec, we always **design with community in mind.**

We care about the communities we serve—because they're our communities too. This allows us to assess what's needed and connect our expertise, to appreciate nuances and envision what's never been considered, to bring together diverse perspectives so we can collaborate toward a shared success.

We're designers, engineers, scientists, and project managers, innovating together at the intersection of community, creativity, and client relationships. Balancing these priorities results in projects that advance the quality of life in communities across the globe.

INTERACTIVE PRESENTATION

Track 3

[Back to Schedule](#)

Thursday October 11, 2018
1:30, 2:15 and 3:45 pm | Room 543

[View OCAD Floor Maps](#)

By Jia Lu | University of Toronto

Growing the Greenbelt

What can designers and planners learn from resilience research to support the transition away from consumption and growth-driven paradigms?

As the climate change trajectory is already reaching critical tipping points or thresholds, threatening a regime shift out of the Holocene state, this presentation examines resilience-building configurations of sustainability strategies at the edge between suburban developments, agricultural lands, as well as protected forest patches and riparian corridors, where urban river headwaters, “white belt” and Greenbelt lands intersect.

Using a case study approach mixed with knowledge translation from the field of ecological resilience applied to landscape design, this presentation explores an alternative vision for contested lands, where growth and conservation policies collide.

Presenter



Jia Lu (MLA UofT) is an evaluator, resilience researcher, Olmsted Scholar, and Canada Graduate Scholar. Alongside her work with design offices, NGOs, and policy makers, Jia is researching the application of resilience principles in landscape design/planning to face climate-related uncertainty in collaboration with the Daniels Faculty of Architecture, Landscape and Design at the University of Toronto and the Urban Risk Lab at MIT.

INTERACTIVE PRESENTATION

Track 3

[Back to Schedule](#)

Thursday October 11, 2018
1:30 to 4:30 pm | Room 550

[View OCAD Floor Maps](#)

Mount Pleasant Natural Heritage System: Balancing Ecological and Social Values in Natural Heritage System Design

Presented by **SAVANTA**

The plan for Mount Pleasant, a new transit-friendly community in Brampton, is based on an envisioned ecocentric natural heritage system (NHS) that links both existing and created aquatic, wetland and terrestrial habitats. To inform how a future NHS might be designed differently to balance social and ecological values, Savanta conducted surveys to learn:

- How users interact with the NHS.
- How the NHS contributes to users' physical and emotional well-being.
- How the NHS can be improved from a user perspective.

Through the use of mixed media (including drone footage, video and audio clips, and vignettes) we will illustrate both the current and envisioned NHS, share the experiences of NHS users, and propose changes to NHS design to balance ecological and social priorities.



[More →](#)

← Continued from previous page

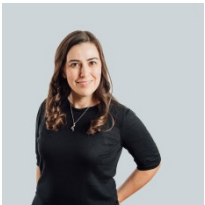
Track 3

[Back to Schedule](#)

Presenters



Heather Beam is Senior Ecologist and Senior Project Manager with Savanta. She has 11 years of experience in ecological restoration for urban Natural Heritage Systems and public natural areas. She has an MSc in social-ecological resilience and sustainability assessment and is a Certified Ecological Restoration Practitioner. Heather designs, implements and develops monitoring programs for: forests and grasslands; wetland habitat for amphibians and turtles; Species at Risk habitats and eco-passages.



Heather Whitehouse is Senior Ecologist, Project Director with Savanta. She has 13 years of experience in natural habitat design, construction and monitoring. Climate change resilience, enhancing local biodiversity, and connecting people with nature are key elements in her design. Heather creates urban ecological habitats where residents can engage and foster a relationship with nature, and in the process become stewards through ecological monitoring and maintenance.

About SAVANTA

Savanta is the environmental consulting firm that delivers precedent-setting and meaningful outcomes. Our diverse team actively listens, thinks differently, and is passionate about delivering balanced environmental, economic, and social outcomes.

We are known for finding innovative solutions to difficult environmental and approval challenges. Our specialized natural heritage technical expertise, leading capabilities in socio-economic and climate change work, and our "out-of-the-box" thinking help us achieve desired outcomes for our clients. We work collaboratively amongst various stakeholders, turning away from the common reflex reaction to settle into polarized positions. We continue to successfully attract clients and staff that share this vision and approach to business.

INTERACTIVE PRESENTATION

Track 3

Back to Schedule

Thursday October 11, 2018
1:30, 2:15 and 3:45 pm | Room 556

[View OCAD Floor Maps](#)

Citizen's Coolkit on Climate Change and Urban Forestry

Presented by Cindy Zhaohua Cheng | University of British Columbia

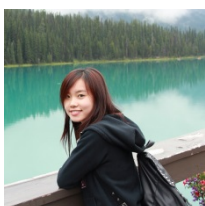
Citizen's Coolkit on Climate Change and Urban Forestry (Coolkit) is a collection of tools and activities to increase people's awareness and understanding of the importance of greenspace in their neighbourhood, and eventually motivate behaviour changes individually and collectively. It helps bridge individual ideas to neighbourhood-wide action with a series of hands-on activities.

The Coolkit aims to help communities discover how to climate-proof their neighbourhoods while looking after the urban forests around their home.



Sample pages from Citizen's Coolkit on Climate Change and Urban Forestry

Presenter



Zhaohua (Cindy) Cheng is a PhD student at the Faculty of Forestry, University of British Columbia (UBC). She has more than five years of research experience in climate change mitigation, low-carbon economy, and community engagement. She is also very interested in exploring current challenges and opportunities in urban forestry in different parts of the world (especially in rapidly urbanizing regions like China), and developing better approaches to build a healthier, greener and more resilient community.

INTERACTIVE PRESENTATION

Track 3

[Back to Schedule](#)

Thursday October 11, 2018
1:30 to 4:30 pm | Room 550

[View OCAD Floor Maps](#)

Help My Garden; Help the Environment; Help Build More Rain Gardens

Presented by Rain Gardens United

Marc Yamaguchi and Ting Wang from **Rain Gardens United** (RGU) recount how this grassroots movement lit up a neighbourhood and transformed the understanding and appreciation for living systems best adapted for stormwater events.

An RGU hydrology table demonstration augments the looping 20-minute presentation, which includes the invitation to **tour a thriving cluster of rain gardens** in the east end of Toronto the following morning. Guerrilla gardeners will leave with complementary wildflower seeds.



Image: Rain Gardens United

[More](#) →

← Continued from previous page

Track 3

[Back to Schedule](#)

Presenters



Marc Yamaguchi, MAEEC is a college teacher, but began doing outdoor interventions in 2013 as a volunteer with the David Suzuki Foundation. In 2015, he headed up the East Danforth Rain Gardens Project, which has grown from an initial 11 to 31 today. Marc’s Masters thesis in Environmental Education and Communication is entitled Low Impact Development: Citizen Chronicles from the Urban Underground.



Ting Wang, MSc, MT is a part of the urban water cycle and teaches science at a private high school downtown Toronto. He has a Masters degree in physics and teaching and is an amateur hydrologist. He has been working with Marc at RGU to monitor and ameliorate how Toronto deals with its rainwater.

About Rain Gardens United



The Rain Gardens United initiative was made possible by being awarded the Toronto Foundation’s 2015 Vital Innovation grant. Formerly known as the Rain Gardens of Danforth East Village – East York pilot project, we proposed a green corridor to connect Wards 29, 30, 31, and 32 with the Leslie Spit and “carpet” this part of Toronto with butterfly, bee and bird friendly habitat. Our goals include community-building, idea-sharing, and life-enhancing strategies that improve the quality of life for the citizens of Toronto.

Acknowledgements

Rain Gardens United would like to acknowledge that the rain gardens pilot was conducted in the traditional territory of the Huron-Wendat and Petun First Nations, the Seneca, and the Mississaugas of the New Credit First Nation. Toronto is still the home to many Indigenous peoples from across Turtle Island, and we are grateful to replicate the natural features that have always lent resiliency to the landscape of this territory.

Green Roofs for Healthy Cities - Green Infrastructure Week

Green Roofs for Healthy Cities promotes the mainstreaming of green roofs, green walls, and other forms of green infrastructure in cities as a way to encourage a built environment that supports human and ecosystem health. Each year GRHC hosts a green infrastructure conference in Toronto, Grey to Green, that focuses on green infrastructure projects shaping our urban environments, new policy developments, and industry research. As a way to encourage more people to become involved in green infrastructure, GRHC hosted Ontario’s first Green Infrastructure Week to celebrate our urban forests, wetlands, parks, green roofs, green walls and rain gardens.

WORKSHOP

Friday October 12, 2018
 9:00 am to 1:00 pm | Room 550

[Back to Schedule](#)

[View OCAD Floor Maps](#)

Valuing the Benefits of Green Infrastructure

Hosted by the Green Infrastructure Foundation

The benefits of green infrastructure (such as urban trees, rain gardens and green roofs) are well known, but difficult to value. This difficulty creates an obstacle: green infrastructure is often not considered when making important investment and asset management decisions.

The goal of this course is to help individuals, especially those in the public sector, to value the benefits provided by green infrastructure in their communities.

About the Green Infrastructure Foundation



The **Green Infrastructure Foundation** partners with communities to shape healthy, resilient, and sustainable places using living green infrastructure.

The Green Infrastructure Foundation (GIF) was founded in 2007 to respond to the need for greater awareness and resources to promote the design, installation, and maintenance of green infrastructure in local communities. GIF is a tax-exempt, charitable 501(c)(3) organization affiliated with Green Roofs for Healthy Cities (GRHC), a membership based industry association and the leading entity for promoting the Green Roof and Wall industry in the U.S. and Canada.

The Green Infrastructure Foundation works with partners including the Green Infrastructure Ontario Coalition to deepen and broaden public awareness of the multiple benefits of green roofs, urban forests, and other forms of green infrastructure as part of the built environment.

WORKSHOP

Friday October 12, 2018
9:00 am to 1:00 pm | Room 542

[Back to Schedule](#)

[View OCAD Floor Maps](#)

Measuring Impact of Low Carbon Social Mobilization Initiatives

Climate action in cities is critical to addressing the climate crisis, from both a mitigation and adaptation perspective. Municipal governments have direct or indirect control over more than 50% of GHG emissions in Canada, and climate change is increasingly impacting cities where concrete and asphalt landscapes exacerbate heat and flood risk vulnerability for residents.

This interactive workshop consisting of dynamic presentations and break out discussions will explore pathways for defining and communicating the merits of the low carbon social mobilization initiatives to policymakers, funders and other key stakeholders. In addition, evaluating energy and GHG reductions, impacts and effects of the associated systemic social-cultural change, and the role for academics in supporting the development of low carbon social mobilization initiatives will also be addressed.

This workshop brings together researchers and practitioners collaborating as part of the Community Energy Knowledge Action Partnership (CEKAP) with the collective goal of facilitating a discussion on evaluating the impact of low carbon social mobilization initiatives. With the desired outcome of identifying the role academic researchers can play to support and/or enable ongoing experimentation, Taking Stock of Neighbourhood-Based Climate Action also aims to support and/or enable the ongoing experimentation and measurement of impacts of existing and emerging models.

About CEKAP



CEKAP is a SSHRC-funded partnership that has been established to facilitate collaboration between researchers, practitioners and community groups across Canada in the area of community energy planning. CEKAP strives towards communities that are not only energy sustainable, but also prosperous, equitable and resilient.

RAIN GARDEN WALKING TOUR

[Back to Schedule](#)

Friday October 12, 2018

9:30 to 11:30 am

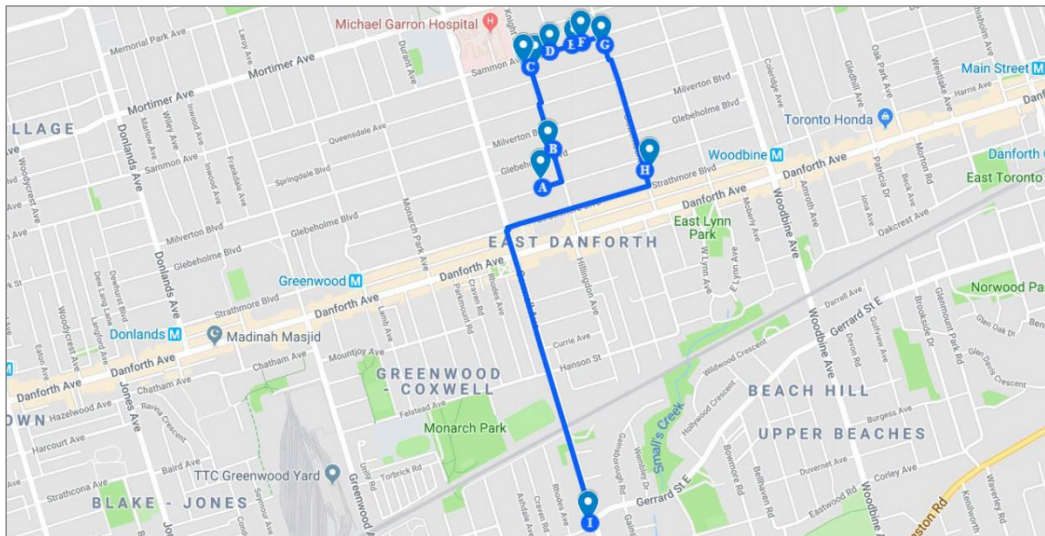
Meeting Point: outside the turnstiles/Presto exit doors of Coxwell subway station. Leaving 9:30 am sharp. | [Map and Directions](#)

Help My Garden; Help the Environment; Help Build More Rain Gardens

Presented by Rain Gardens United

Marc Yamaguchi and Mina Wong from **Rain Gardens United** offer this walkabout for guests keen on seeing the rain gardens of Beaches-East York up close. Guests will also note the freshly laid Earthwatch soil/water sensors in many of the rain gardens that will help to assess their functionality as green infrastructure.

This easy-paced, two-hour tour will allow guests to rejoin the symposium’s closing events downtown closing. Dress according to weather conditions – and don’t forget your water bottle!



RAIN GARDENS: (A) 200 Wolverleigh Blvd (B) 78 Woodington Ave (C) 152, 155, 156 Woodington Ave (D) 705 Sammon Ave (E) 735 Sammon Ave (F) 743 Sammon Ave (G) 148 Glebemount Ave (H) 35 Glebemount Ave (I) Fairford Avenue Parkette

[More](#) →

← Continued from previous page

[Back to Schedule](#)

Tour Guides



Marc Yamaguchi

Marc Yamaguchi, MAEEC is a college teacher, but began doing outdoor interventions in 2013 as a volunteer with the David Suzuki Foundation. In 2015, he headed up the East Danforth Rain Gardens Project, which has grown from an initial 11 to 31 today. Marc's Masters thesis in Environmental Education and Communication is entitled Low Impact Development: Citizen Chronicles from the Urban Underground.



Mina Wong

Mina Wong is a college teacher and magazine editor. Mina's interest in the environment dates back to activities at Toronto's Ecology House more than 30 years ago. Inspired by rain gardeners these days, she would like to learn more about water management, bee houses, butterfly houses, rooftop gardens, seed programs and sustainable native plants.

About Rain Gardens United



The Rain Gardens United initiative was made possible by being awarded the Toronto Foundation's 2015 Vital Innovation grant. Formerly known as the Rain Gardens of Danforth East Village - East York pilot project, we proposed a green corridor to connect Wards 29, 30, 31, and 32 with the Leslie Spit and "carpet" this part of Toronto with butterfly, bee and bird friendly habitat. Our goals include community-building, idea-sharing, and life-enhancing strategies that improve the quality of life for the citizens of Toronto.

Acknowledgements

Rain Gardens United would like to acknowledge that the rain gardens pilot was conducted in the traditional territory of the Huron-Wendat and Petun First Nations, the Seneca, and the Mississaugas of the New Credit First Nation. Toronto is still the home to many Indigenous peoples from across Turtle Island, and we are grateful to replicate the natural features that have always lent resiliency to the landscape of this territory.

Green Roofs for Healthy Cities - Green Infrastructure Week

Green Roofs for Healthy Cities promotes the mainstreaming of green roofs, green walls, and other forms of green infrastructure in cities as a way to encourage a built environment that supports human and ecosystem health. Each year GRHC hosts a green infrastructure conference in Toronto, Grey to Green, that focuses on green infrastructure projects shaping our urban environments, new policy developments, and industry research. As a way to encourage more people to become involved in green infrastructure, GRHC hosted Ontario's first Green Infrastructure Week to celebrate our urban forests, wetlands, parks, green roofs, green walls and rain gardens.

MEDICINE WALK

[Back to Schedule](#)

Friday October 12, 2018

10:00 am to 12:00 pm

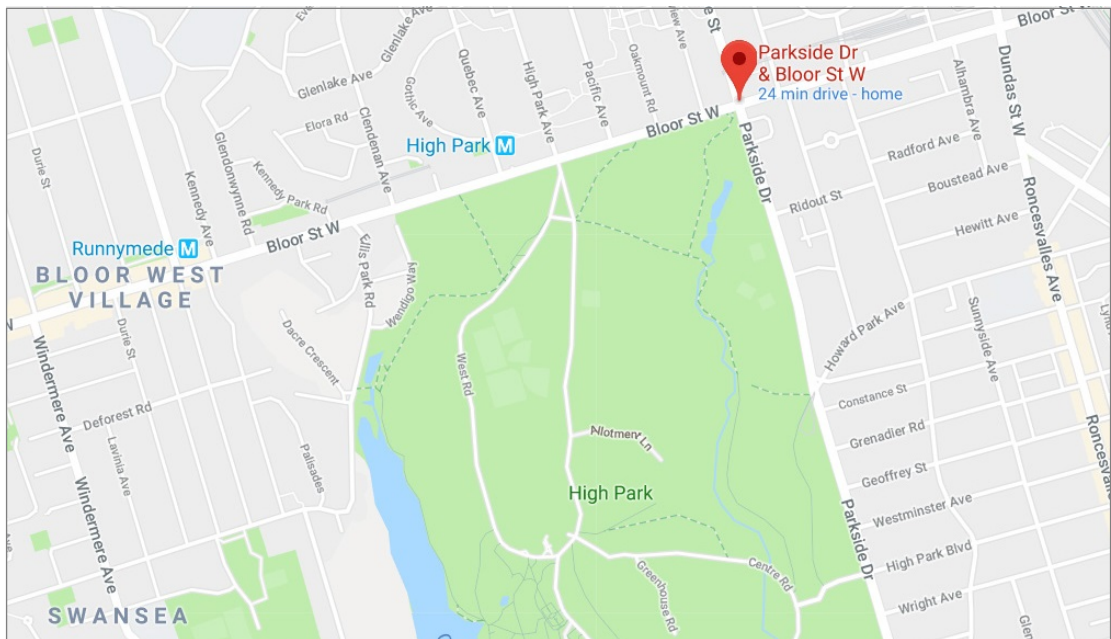
Meet at northeast entrance to High Park, just south of Keele TTC station, at the corner of Parkside Drive and Bloor Street West

DONATION REQUIRED for Healing Gardens for Children with Anxiety (Suggested amount: \$20+)

Forest Medicine for Toronto

"In the heart of Toronto there is a savannah forest of oak trees. These are no ordinary oaks: they are black oaks, called *Quercus velutina*. Sitting right under our noses are the best trees to stop climate change in North America and to give us back our health. Join me, Diana Beresford-Kroeger, and we will forest bathe together. You will never look at a tree in the same way again. I promise."

We are pleased to share that Diana will be accompanied by Jim Adams and Anastasia Watson, co-creators of **Anokiwin Wiyowin** (the Naming Project), part of a larger resurgence project that seeks to teach the recognition of and traditional uses of indigenous plants, to raise awareness of the need to connect with the urban natural world that exists in most cities.



[More →](#)

[Back to Schedule](#)

About Diana Beresford-Kroeger



Diana Beresford-Kroeger, recognized globally for her work with natural sciences and medicine, has challenged **Toronto and Region Conservation Authority** (TRCA) to design, create and promote "healing gardens for children with anxiety". Partnering with the Ontario Climate Consortium to raise funds for this initiative, Diana will host a screening of the documentary *Call of the Forest: The Forgotten Wisdom of Trees* at the 2018 Ontario Climate Symposium, as well as this unique "medicine walk" at High Park's oak savanna.

Why Do We Need Healing Gardens for Children with Anxiety?

There is a pressing need for effective interventions to help support children's mental health and well being, and it is essential that these are designed to be accessible to children in all communities. Child development experts are also concerned about a "nature deficit disorder" -- a term coined by author Richard Louv -- that results from lack of exposure to nature. Some physicians are beginning to prescribe walks in natural areas to counteract this condition.

WORKSHOP

Friday October 12, 2018
11:00 am to 1:00 pm | Room 554

[Back to Schedule](#)

[View OCAD Floor Maps](#)

Reimagining Sustainable Food Systems

This workshop will explore the idea of frugal futures, and enable participants to imagine a world with more sustainable food practices and systems.

The practical portion of the workshop will involve participants engaging in a “world-building” activity where they will imagine and develop a narrative for a new world in the near-medium future. This will be facilitated through the use of the card game **The Thing From the Future** (The Situation Lab 2013).

Following this, participants will physically build their new world with discarded materials, in an effort to actively re-use/re-consider waste in a circular manner that closes the loop.

The workshop will end with a reflexive dialogue that critically questions how we understand and convey the experience of frugality, waste and community change. It will also prompt a critical examination of the opportunities and challenges of world-building.

The workshop will include a tasting of snacks made from waste foods. Participants are asked to bring a reusable drinking vessel.

Facilitators



Selmin Kara is an Associate Professor of Film and New Media at OCAD University. She has critical interests in digital aesthetics and the ecological imaginary in cinema, currently working on a book project exploring the cinematic representations of the Anthropocene.



Alia Weston is an Assistant Professor at OCAD University. She has an expertise in the areas of business management and design, and her research is focused on understanding how creativity and business can contribute to positive social change. Key themes in her research include exploring creative resistance within resource constrained environments, and exploring how alternative business practices can contribute to solving key challenges in society.

GUIDED TOUR

[Back to Schedule](#)

Friday October 12, 2018

3:00 to 4:00 pm | Cost: \$30.00*

Meet at Registration Desk at 2:30 pm

* Includes access to AGO main gallery for the day

Anthropocene Exhibit at the Art Gallery of Ontario

Anthropocene dramatically illustrates how we, individually and collectively, are leaving a human signature on our world. World-renowned photographer **Edward Burtynsky** and filmmakers **Jennifer Baichwal** and **Nicholas de Pencier** have created a powerful series of new photographs, including large scale murals augmented by film extensions, film installations and augmented reality (AR) installations, that take us to places we are deeply connected to - but normally never see.

The artists traveled to countries on every continent, save Antarctica, documenting irreversible marks of human activity. Informed by scientific research, powered by aesthetic vision, inspired by a desire to bear witness, they reveal the scale and gravity of our impact on the planet.

We have reached an unprecedented moment in planetary history. Humans now change the Earth's systems more than all natural forces combined. This is the central argument of the proposed current geological epoch: the Anthropocene.



Edward Burtynsky, *Mushin Market Intersection, Lagos, Nigeria*, 2016. Mural, 304.8 x 609.6 cm. Courtesy of the artist and Nicholas Metiver Gallery, Toronto. © Edward Burtynsky, 2018.

[More →](#)

[Back to Schedule](#)

Tour Guides

Nadia Abraham

Nadia Abraham is an interpretive planner and audience researcher at the Art Gallery of Ontario. She attended Queen's University, where she completed her honours degree with a specialization in history, English language and literature, and art history. Nadia is also a graduate of the Museum Studies Master's program at the University of Toronto, where she focused on museum education and visitor motivations. Nadia's research is centered on how visitors make meaning in museums, and she is interested in promoting in-gallery conversations about the social context of art, public memory and how museums can be active agents of decolonization.

Shiralee Hudson Hill

An active member of the arts community for over twenty years, Shiralee Hudson Hill's passion for arts, heritage and culture fuels her work as Lead Interpretive Planner at the Art Gallery of Ontario. Prior to joining the AGO 12 years ago, she worked on cultural projects worldwide as a consultant with the international museum planning firm Lord Cultural Resources. Previous positions with the National Museum of Ireland in Dublin and the Ontario Science Centre in Toronto have given her deep insight into the often complex nature of planning compelling visitor experiences in the museum setting. Shiralee has a Bachelor of Arts in Honours English from Mount Allison University in Sackville, New Brunswick, and a master's degree in Museum Studies from the University of Toronto.

The 2018 Ontario Climate Symposium: A Low-Impact Event



In planning the 2018 Ontario Climate Symposium, we are taking into consideration the environmental as well as social and economic impact the event may have, and are making every effort to minimize our carbon footprint by reducing the resources used and waste produced. With this mission in mind, we have taken the following steps:

COMMUNICATIONS: We have tried to save paper in the simplest way possible: by not using it. We have done our best to replace print materials with electronic versions. This year's name tag has been designed to be multi-functional, with the inclusion of the program. All of our communication with stakeholders, volunteers and participants has been conducted in such a way as to minimize the carbon footprint.

CATERING: We have ensured that the meals provided for both Symposium days are 100% vegetarian and locally sourced where possible, to reduce transportation-related emissions and support the local economy. All meals will be served using reusable flatware and silverware. We encourage you to bring your reusable cups to enjoy our fair trade coffee and water. For more information about our low-carbon food, please check out our caterers:



How You Can Help:

- Print the program and other documents only if absolutely necessary.
- Bring your own coffee mug or water bottle and make use of our refill stations.
- Walk, bike, or make use of public transportation to get to the event.
- Reduce your food waste during the event.
- Offset your carbon footprint for the Symposium by making a donation to an organization that promotes sustainability and conservation, such as [The Living City Foundation](#).