



Welcome

We are very honoured to welcome you to the 9th Canadian Urban Forest Conference.

Over 30 years ago, the Town of Truro was one of the first communities in Canada to establish a Tree Commission (now called the Truro Tree Committee), which was created with the purpose of dealing with urban forestry, along with long-term planning, education, and prevention of the spread of Dutch elm disease. Our elm tree population has been a concern for the Town for many years, and without the efforts of our Truro Tree Committee, the damage to our elms could be a lot worse.

The Theme, “Water, Trees and Communities” sums up the components of the Town’s belief in good stewardship of our most valuable resource – Trees!

Attending this conference shows your concerns are the same as ours – I trust you will find CUFC9 to be of a great benefit!

I, on behalf of Council and citizens, welcome you. Enjoy your stay and our hospitality.

Mayor
W.R. (Bill) Mills
Town of Truro



I would like to extend a warm welcome to the Canadian Urban Forest Conference and thank you for choosing our town to hold this year's discussions on watershed management and protection.

Truro's forest includes beautiful old growth hemlocks and red spruce and over 400 hectares of forest in our town's treasure, Victoria Park. This provides us with excellent quality for our municipal water. Please take the time to enjoy the beautiful colours of autumn as you explore our town and province.

Warm Regards,

Lenore Zann
MLA Truro - Bible Hill



Welcome to Truro – the little town with the big urban forest heart!

We are proud to help bring you the 9th Canadian Urban Forest Conference. Since our inaugural conference in Winnipeg in 1993, we have sought to bring the best minds in urban forests to you every two years.

The theme of “Water, Trees and Communities” couldn’t be better timed. More Canadians are living in urban areas than ever before. Maintaining urban forests is crucial in managing the toughest environmental issues of our time: air quality, heat islands and yes, clean water.

As clean water continues to be a scarce global resource, the science of managing the forests which sustain this precious commodity will be a skill in increasingly higher demand. On behalf of our Board of Directors, Staff and Community Advisers, we would like to thank the hard working, and always pleasant CUFC9 Steering Committee for organizing this great conference.

And finally, thank you, the participant of this conference for giving up your time to support the future of Canada’s urban forests.

Michael Rosen, R.P.F.
President, Tree Canada



On behalf of the province of Nova Scotia, it is my pleasure to welcome you to the ninth Canadian Urban Forest Conference. We are honoured and proud to be the host province.

Tree Canada and the Town of Truro have developed a program that focuses on the urban ecosystem – in particular the importance of trees and watersheds in our communities.

There will be opportunities for you to learn new strategies and techniques to improve or repair wetlands, parks and forests. You'll have the chance to tour parks, streets and forests to see our natural landscapes and diverse ecosystems, and discover innovative techniques used in our communities.

Conferences like yours encourage discussion, information sharing, and education in nature's classroom, and will ultimately improve how we manage and maintain our urban forests.

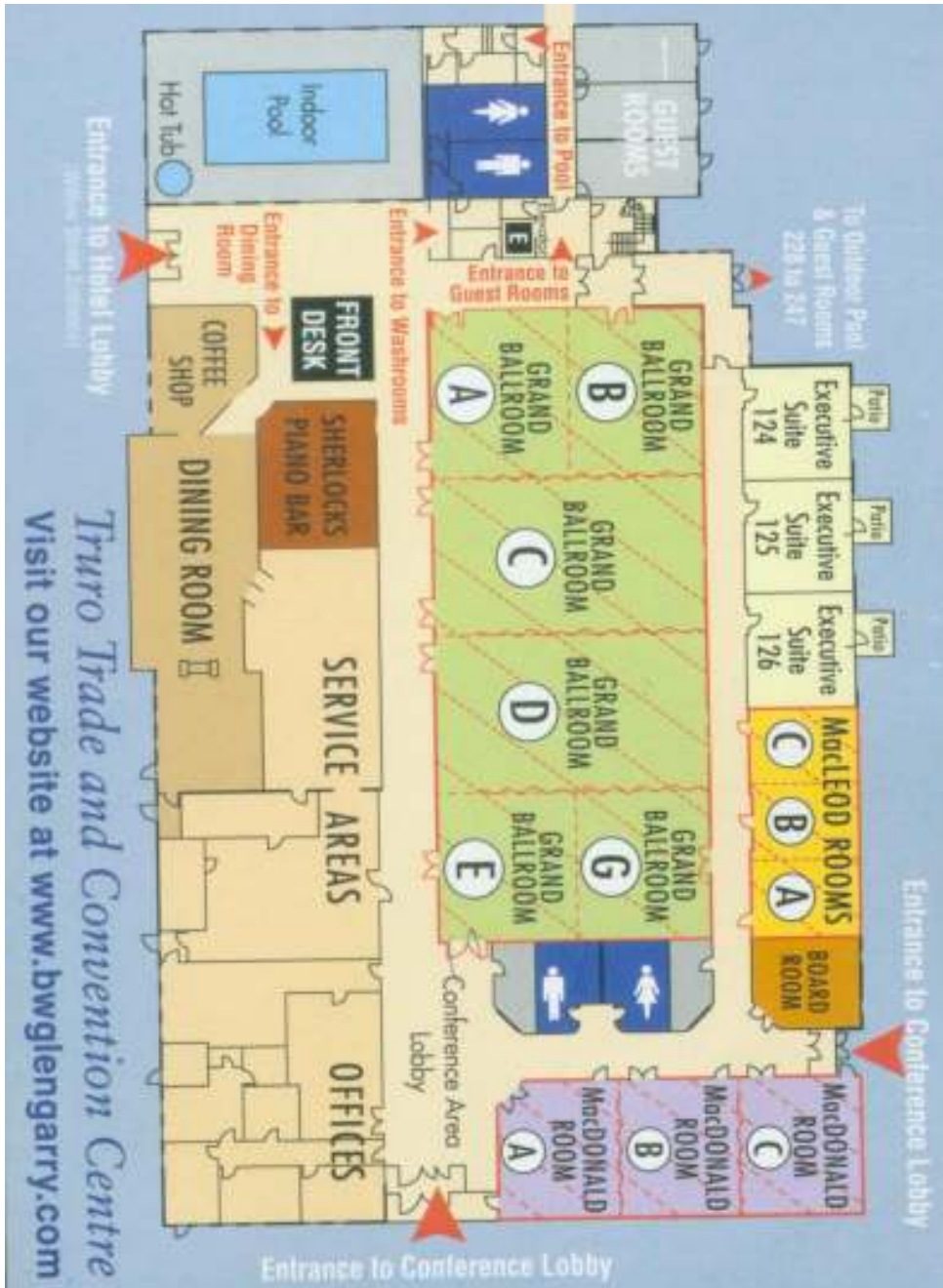
I would like to extend my best wishes to the show organizers, exhibitors, and participants for a very successful event.

John MacDonell

Minister of Natural Resources



Conference Centre Floor Plan



Schedule of Events

Monday, October 4 – Pre Conference Activities

8:30AM	4:30PM	MacLeod AB	Tree Canada Board Meeting
12:50PM	1:50PM	Truro Elementary	<i>Ask Me If I'm a Tree</i> Play
6:00PM	8:00PM	Lobby	Registration
7:00PM	9:00PM	Grand Ballroom EG	Meet & Greet Wine & Cheese Social



Tuesday, October 5

7:00 AM	8:30 AM	Grand Ballroom DEG	Mayor's Breakfast
8:30 AM	5:00 PM	Lobby	Registration - open all day
8:00 AM	5:00 PM	MacDonald Room	Trade Show Opens - runs all day (Coffee & Tea served)
9:00 AM	9:30 AM	Grand Ballroom ABC	Welcome - Tree Canada and Host Committee Chair
9:30 AM	10:45 AM	Grand Ballroom ABC	Keynote: The Future of Urban Forestry - Dr. David Nowak (USDA Forest Service) traduction simultanée (TS*)
10:45 AM	11:00 PM	MacDonald Room	Nutrition Break
11:00 AM	12:00 PM	Speaker Session #1 (Concurrent)	
		Grand Ballroom AB	Tree Care from the Ground Down - New Data - Ed Gilman (University of Florida) TS*
		Grand Ballroom C	Trees Protecting Watersheds - Martin Neumann (Grand River Conservation Authority)
12:00 PM	1:30 PM	MacDonald Room	Tradeshow & Lunch Break (<i>on your own</i>)
1:30 PM	2:30 PM	Speaker Session #2 (Concurrent)	
		Grand Ballroom AB	The Use of Trees for Restoring Aquatic Sites - Glenn Harrington (Harrington McAvon) traduction simultanée
		Grand Ballroom C	Designing Sites for Sustainable Urban Trees - Ed Gilman
2:30 PM	3:15 PM	Speaker Session #3 (Concurrent)	
		Grand Ballroom AB	UFORE Update and Changes - David Nowak (USDA Forest Service) TS*
		Grand Ballroom C	Stormwater Parks - Dr. Robert France (Nova Scotia Agricultural College)
3:15 PM	3:30 PM	MacDonald Room	Nutrition Break
3:30 PM	5:00 PM	Speaker Session #4 (Concurrent)	
		Grand Ballroom AB	3:30 Building Community One Tree at a Time - David Tracey(Tree City)
			4:15 A Forest Runs Through It - Michael James (DeepRoot Canada)
		Grand Ballroom C	Voluntary Presentations:
			Climate Change Impacts: James Steenberg
			ENGO's Engaging Citizens: Jenn Ross
			Planting Street Trees: Stan Kochanoff
5:00 PM	6:00 PM	Supper (<i>on your own</i>)	
6:00 PM	7:30 PM	Grand Ballroom AB	Canadian Urban Forest Network Workshop: Facilitated by Andy Kenney and Mike Rosen
8:00 PM	11:00 PM	Grand Ballroom DEG	Alexander Keith's Kitchen Party featuring <i>The Privateers</i>

Wednesday, October 6

8:00 AM	5:30 PM	Field Trip (Concurrent)	
<i>Meet in the Lobby</i>		Option #1 traduction simultanée Victoria Park/Watershed Tour - Andrew Williams (Town of Truro) Lunch - Sugar Moon Farm (Private Sugar Woods) Five Islands Provincial Park - Gerald Gloade	
<i>Meet in the Lobby</i>		Option #2 traduction simultanée HRM Point Pleasant Park Tour - Dr. Peter Duinker (Dalhousie University) Lunch - Dalhousie University Club HRM Halifax Street Tree Tour - John Simmons (Halifax Regional Municipality)	
6:30 PM	10:30 PM	Grand Ballroom DEG	Down-East Banquet and Awards Ceremony



Thursday, October 7

8:00 AM	4:00 PM	MacDonald Room	Trade Show Opens - runs all day (Coffee & Tea served)
8:00 AM	9:00 AM	MacLeod AB	Poster Viewing / Questions
9:00 AM	9:45 AM	Speaker Session #5 (Concurrent)	
		Grand Ballroom AB	Arboriculture Initiatives World Wide - Jim Skiera (Executive Director, ISA) traduction simultanée
		Grand Ballroom C	Urban Forest as Bio-Functional Infrastructure - Peter Bigelow (Halifax Regional Municipality)
9:45 AM	10:15 AM	MacDonald Room	Nutrition Break
10:15 AM	11:00 AM	Speaker Session #6 (Concurrent)	
		Grand Ballroom AB	Trees and Brownfield Restoration - Kelly Honeyman (Irving Project, Saint John, N.B.) traduction simultanée
		Grand Ballroom C	Conservation Arboriculture - Philip van Wassenauer
11:00 AM	12:00 PM	Speaker Session #7 (Concurrent)	
		Grand Ballroom AB	Community Forestry Initiatives - Heather Hawker (City of Moncton, N.B.) traduction simultanée
		Grand Ballroom C	Low Impact Arboriculture - Tree Health - Dwayne Neustaeter (Arboriculture Canada)
12:00 PM	1:30 PM	MacDonald Room	Tradeshow & Lunch break (<i>on your own</i>)
12:30 PM	1:30 PM	Grand Ballroom C	<i>Ask Me If I'm a Tree Play</i>
1:30 PM	3:00 PM	Speaker Session #8 (Concurrent)	
		Grand Ballroom AB	Low Impact Arboriculture - Occupational Health and Safety - Dwayne Neustaeter (Arboriculture Canada) traduction simultanée
		Grand Ballroom C	Voluntary Presentations: Ecological Integrity: Camilo Ordonez Need for Nature in the City: Shawna Peckham Afforestation Project: Margaret Symon
3:00 PM	3:30 PM	MacDonald Room	Trade Show Prize Draw
3:30 PM	4:00 PM	Grand Ballroom AB	Closing Remarks - Tree Canada and Host Committee Chair
6:00 PM		<i>Meet in the Lobby</i>	Downtown Walking Tour (Concluding at Red Bird Wine & Scotch Bar)

Friday, October 8

9:00 AM	4:00 PM	Town Civic Block	ISA Atlantic Chapter Tree Climbing Competition (754 Prince Street)
9:00 AM	4:00 PM	Truro Golf Club	**Eco - Interpretive Golf Scramble (**Separate Fee and Registration)



Trade Show Participants

Thank you to the following companies and organizations participating in the trade show component of the 9th Canadian Urban Forest Conference:

- **Arboriculture Canada Training & Education Ltd.** (www.arborcanada.com)
- **Canadian Food Inspection Agency – Plant Protection & Biosecurity Division, Forestry Section** (www.inspection.gc.ca)
- **DeepRoot Canada Corp.** (www.deeproot.com/canada)
- **Halifax Water** (www.halifax.ca/hrwc)
- **Husqvarna Canada Corp.** (www.husqvarna.com/ca/en)
- **International Society of Arboriculture – Atlantic Chapter** (www.isaatlantic.org)
- **Natural Resources Canada – Forest Communities Program** (www.cfs.nrcan.gc.ca)
- **Nova Scotia Department of Natural Resources** (www.gov.ns.ca/natr)
- **STIHL Limited** (www.stihl.ca)
- **The Tree Guy – Charlie Baird** (www.charliethetreeguy.viviti.com)
- **Tree Canada** (www.treecanada.ca)
- **Urban Forest Innovative Solutions & Dutch Trig** (<http://www.ufis.ca/>)
- **Vermeer Canada Inc.** (www.vermeercanada.com)

Field Trip Information

Option # 1

Victoria Park & Lepper Brook Watershed (Morning Trip)

Victoria Park - Today, Victoria Park is a 400 hectare municipal park located in the heart of the Town of Truro. The park was created in 1887 when a local resident donated 10 hectares of land from which to create a public park. While the lower park area includes sports fields, an outdoor public swimming pool, band shell and green space common areas, the vast majority of the park is natural forest land, including old growth eastern hemlock and red spruce stands. Residents and visitors alike are drawn to the natural beauty and tranquility to be experienced while exploring the park along some 15 km of developed trails and boardwalks, waterfalls, and interesting geological features. Lepper Brook, primary source of the town's drinking water supply, passes through the length of the park on its way to emptying into the Salmon River and eventually the Bay of Fundy.

Lepper Brook Watershed - The Town's supply of drinking water is provided and protected by the 1900 hectare Lepper Brook Watershed Area and reservoir. The area has been the source of water for area residents dating back to 1875 with the construction of the first dam along Lepper Brook. After experiencing a series of consecutive droughts during the late 1980's and early 1990's, resulting in water shortages and restrictions on use, the Town carried out construction on the dam and completed a significant expansion of the reservoir basin. As a result of this expansion the storage capacity increased from approximately 80 million gallons to 589 million gallons, providing the flexibility to not only accommodate future growth and consumption for Truro's citizens but also the capability of serving as a regional water supply. The majority (92%) of the watershed lands are forested, with the municipality owning approximately 60% of the land base.

Lunch – Sugar Moon Farm

Sugar Moon Farm is Nova Scotia's award-winning year-round maple syrup farm and dining experience. Featuring pure Canadian maple syrup and maple products, log restaurant, sugar camp tours, and sugar bush trails, this restaurant is the perfect stop for brunch on the way to the beautiful North Shore with its sandy beaches and warm waters. Sugar Moon Farm serves an all day fully-licensed maple brunch featuring all-you-can-eat organic wholegrain buttermilk pancakes with 100% pure maple syrup, fresh biscuits and maple butter, local sausages, seasonal "frittatas", organic fair trade coffee and more. The Rogart Mountain Hiking Trail is built and managed by volunteers under the umbrella of the Cobequid Ecotrail Society. This 6.2 km loop is the first loop built in Colchester County and happens to begin and end at Sugar Moon Farm parking lot. The trail will be part of the Cape-to-Cape Trail from Cape George, Antigonish County to Cape Chignecto, Cumberland County.

Bay of Fundy & Five Islands (Afternoon Trip)

Delegates will take a scenic tour from Earltown through rural Colchester County to the beautiful Wentworth Valley. Tour guide Gerald Gloade will discuss Mi'kmaq legends, historical facts and geographical features relative to First Nations history. Each year thousands of people travel significant distances to view the awesome fall colours of the hardwood hills of the Cobequid Mountain range. This field trip will follow the Glooscap Trail - a beautiful drive along the Cobequid Bay coast, punctuated with impressive vistas of the bay, quaint villages, and the rural landscape. The tour will then take us to Five Islands Provincial Park which boasts one of the most spectacular viewscapes of Nova Scotia. At the Five Islands Park we will be joined by Sue Penney, a park interpreter with the N.S. Department of Natural Resources. Sue will provide interesting geological and seashore interpretation and Gerald will add colourful stories and legends.

Tour Guide - Andrew Williams

Andrew has been employed by the Town of Truro since 1999 as the municipal arborist and forest technician responsible for administering the urban and watershed forest management program. Since graduating from forestry school Andrew has spent the past 18 years working in the forest industry, including working for the Nova Scotia Department of Natural Resources and the British Columbia Ministry of Forests, prior to returning to his hometown to begin a new career path in urban forestry.

Option # 2

Point Pleasant Park (Morning Trip)

Point Pleasant Park is a 70 hectare historical landscape in the south end of Halifax. It had strategic military importance for two centuries as one of several places from which to guard the port and city of Halifax. It became a park in the 1860s, with high rates of day-use visitors who today enjoy strolling, jogging, dog walking, and appreciating nature in the park's forest landscape.

In September 2003, more than three-quarters of the Park's mature trees were thrown to the ground during Hurricane Juan. The clean-up effort was followed by an intense planning process to create the park's first-ever comprehensive plan. The plan addressed park use, coastal stabilization, conservation of heritage resources, and forest management. The tour will address all these dimensions, with a focus on how the forest is being managed.

Tour Guide - Peter Duinker

Peter is Professor and Director of the School for Resource and Environmental Studies at Dalhousie University. His research career of more than three decades has addressed the broad domains of environmental assessment, climate change, and forest management and policy. Peter was a member of the Point Pleasant Park Rehabilitation Task Force that planned and oversaw the park clean-up. He also served as the lead forest planner in creating the Point Pleasant Park Comprehensive Plan. Peter delights in taking interested locals and visitors through the park to help them understand the past, present and future of Point Pleasant.

Halifax Street Tree Tour (Afternoon Trip)

In 1996 HRM was created, amalgamating with the Town of Bedford, City of Dartmouth, City of Halifax and County of Halifax. All four municipalities handled fostering tree canopy in different ways. The tour will show through examples the different urban forest types and discuss their weakness and strengths.

Tour Guide- John Simmons

John is the Urban Forester for HRM, and has over thirty years experience in urban forestry including 5 years with the city of Calgary and 26 years with the City of Halifax.

Speaker information

Dr. David Nowak – USDA Forest Service

Keynote - Future of Urban Forestry: Integrating Environmental Benefits within City Systems

Tuesday, October 5th 9:30 a.m. – 10:45a.m.

UFORE Update and Changes

Tuesday, October 5th 2:30 p.m. – 3:15 p.m.

Summary: The Future of Urban Forestry: Integrating Environmental Benefits within City Systems

As landscapes and climates change, the role of urban forests will become increasingly important for sustaining environmental quality and quality of life. Services provided by urban trees and other natural systems will need to be sustained or enhanced to meet the future needs of society. The stewardship of urban forests and their environmental benefits will need to become more integrated as a vital function within the management of city systems. This presentation will discuss the latest information on ecosystem services from urban trees and ideas on how urban forestry must conceptually change to better integrate these critical ecosystem services and become increasing relevant within urban societies.

Summary: UFORE Update and Changes

Dr. Nowak will present data associated with UFORE testing throughout North America and update delegates regarding changes and future development plans for this popular urban forest management software.

Biography

David J. Nowak is a Project Leader with the USDA Forest Service, Northern Research Station in Syracuse, NY. Dr. Nowak received a B.S. and M.S. from SUNY College of Environmental Science and Forestry, and a Ph.D. from the University of California, Berkeley. He has authored over 180 publications and is a recipient of the National Arbor Day Foundation's highest honor - the J. Sterling Morton Award, which recognizes lifelong commitment to tree planting and conservation at a national or international level, American Forests' Urban Forest Medal recognizing outstanding national contributions in urban forest research, the Distinguished Science Award of the Northeastern Research Station, the Forest Service Chief's Honor Award for Engaging Urban America, New York State Arborists-ISA Chapter Research Award, and was a contributing member of the 2007 Nobel Peace Prize winning Intergovernmental Panel on Climate Change. His research investigates urban forest structure, health, and change, and its effect on air quality and greenhouse gases. He also leads teams developing software tools to quantify ecosystem services from urban vegetation (e.g., UFORE and i-Tree programs).

Martin Neumann - Grand River Conservation Authority

Trees Protecting Watersheds

Tuesday, October 5th 11:00 a.m. – 12:00 p.m.

Summary: Trees Protecting Watersheds

The Grand River is a Canadian Heritage River with a predominantly agricultural watershed of 6800 square kilometres west of Toronto. It has a population of about a million and strong urbanizing pressure. The Grand River experience provides case studies of successful programs to mobilize the community to protect watersheds with trees.

Biography

Martin Neumann has been helping people improve their environment for thirty years on the same theme as this conference: Water, Trees, and Community. His focus is on improving watershed health through community engagement, tree planting, and restoration, in the context of an agricultural, quickly urbanizing landscape. His education and experience include forestry, environment, arboriculture, and extension. Currently he is Supervisor of Terrestrial Resources at the Grand River Conservation Authority, Cambridge, Ontario and President of Trees for Guelph (Ontario).

Ed Gilman - University of Florida

Tree Care from the Ground Down

Tuesday, October 5th 11:00 a.m. – 12:00 p.m.

Designing Sites for Sustainable Urban Trees

Tuesday, October 5th 1:30 p.m. – 2:30 p.m.

Summary: Tree Care from the Ground Down

Trees last for decades or longer when roots grow correctly. We'll show you how to grow a strong root system in the nursery using the correct liner trays, containers, and field techniques. There are brand new methods to eliminate root defects in containers, and proven field production methods that ensure good roots. Proper planting includes irrigation, soil management, and root management strategies that reduce transplant shock and improve health on established trees. There's lots of new information on all this. You'll go home with new techniques you can use next week.

Summary: Designing Sites for Sustainable Urban Trees

You have heard it before: "Plant the right tree in the right place". This is fine but we really need to be "Designing the right place for the right tree". Learn how to design spaces including sidewalks and parking lots to support tree growth so your design vision can be fulfilled. Topics include making space for tree roots and tops, traditional urban landscape designs vs. designs that actually work and why, resources (books, web, etc). There will be lots of photographs, illustrations, specifications, and take-home messages involving the audience.

Biography

Dr. Gilman received his PhD from Rutgers and has been on the faculty since 1984 as professor in the Environmental Horticulture Department at the University of Florida in Gainesville. Ed wrote "Illustrated guide to pruning" which is in its second edition. He received the Authors Citation Award in 1999, the Educators Award in 2003, and the research award in 2007 from the ISA for sustained excellence in research, publishing and teaching timely information on tree care. He has published more than 90 scientific peer reviewed journal articles on roots and pruning trees in his 30 years in academia and industry.

Glenn D. Harrington - Harrington McAvan Ltd

The Use of Trees for Restoring Aquatic Sites

Tuesday, October 5th 1:30 p.m. – 2:30 p.m.

Summary: Use of Trees for Restoring Aquatic Sites (Soil Bioengineering)

Mr. Harrington will use a number of case studies to reveal numerous strategies for using trees and other vegetation for wetland creation and restoration in urban environments.

Biography

Mr. Harrington has over 35 years of experience as a consulting landscape architect. In 1982, he was instrumental in introducing soil bioengineering techniques to Ontario as a viable option for bank and stream stabilization. The firm completed their first natural channel design project in 1993 and Glenn has directed more than 90 successful stream restoration projects since that time. He has participated as a volunteer in the development of Provincial watershed and subwatershed planning, stormwater management, and watershed 'report card' monitoring initiatives. He is currently specializing in naturalized stream, channel and wetland creation and restoration. Projects designed by Mr. Harrington have been awarded the *City of Toronto Urban Design Award*, the *Rouge Park Award*, and the *Toronto and Region RAP Award of Excellence* for wetland restoration work. Harrington McAvan Ltd. is a recipient of the Ontario Association of Landscape Architects' prestigious *Carl Borgstrom Award for Service to the Environment*.

Robert France - Nova Scotia Agricultural College

Stormwater Parks

Tuesday, October 5th 2:30 p.m. – 3:15 p.m.

Summary: Stormwater Parks

Wetlands combine the beauty of aesthetic form and ecological function in a way that few other landforms can match. As such, they have been, and will certainly continue to be, important elements in site design and landscape planning. There is a long established tradition in the creation of scenic wetland gardens. Since the 1980s wetlands have been constructed by engineers to ably support the functions of flood prevention and water quality improvement. Although these systems have functioned well, their generally square box-like shapes have provided few wildlife benefits and have been places where people have shied away from rather than been attracted to. Today, nowhere has the union of art and science been more successfully accomplished than through the creation (often by landscape architects) of treatment wetland parks that combine both environmental management and ecotourism. We will visit some of these award-winning projects during this presentation.

Biography

Robert L. France is Associate Professor of Watershed Management in the Department of Engineering at the Nova Scotia Agricultural College (NSAC). Dr. France has conducted research in regions from the High Arctic to the tropics, on subject areas from bacteria and algae to whales, as well as on chemistry and environmental theory. He has taught at the universities of McGill, Ca'Foscari Venice, and Harvard. France is an acquisition editor for CRC Press where he runs the series *Integrative Studies in Water Management and Land Development*, and is also on the editorial board of the independent environmental press Green Frigate Books. He has published over two hundred articles and is the author or editor of over a dozen books of both a technical nature as well as general public interest. France conducts research on the environmental restoration of post-agricultural and post-industrial landscapes, integrated watershed management and water sensitive planning and design, the use of stable isotope analysis to trace material flow in aquatic foodwebs, the impacts of clearcutting on land-lake linkages, landscape modifications at the suburban-agricultural interface, agricultural urbanism, environmental biography, and immersion into historic agricultural and utilitarian landscapes.

David Tracey – Tree City

Building Community One Tree at a Time

Tuesday, October 5th 3:30 p.m. – 4:15 p.m.

Summary: Building Community One Tree at a Time

Canadian cities are considered world models for multiculturalism, but may not be as open as they appear. Studies suggest it takes at least 10 years for immigrants to feel welcomed. Getting residents to help plant and care for the urban forest can build community by cutting through the usual social barriers of class, age, ethnicity, language and more. Several projects have been launched in Vancouver to engage the public in environmental activities focusing on trees. The city is now studying cases of successful citizen-led edible landscaping projects with the intent to expand its support for community orchards.

Biography

David Tracey is a journalist and environmental designer specializing in urban agriculture and community-driven urban greening projects. He is the Executive Director of Tree City, a non-profit organization "helping people and trees grow together" in Vancouver since 2005. He is the principal of EcoUrbanist, a design/consultation firm specializing in earth-friendly landscape solutions. He helps coordinate the Vancouver Community Agriculture Network as well as a project currently managed through the YMCA to create an Intercultural Community Garden in Vancouver's Downtown Peninsula.

He lectures and leads workshops on topics including urban agriculture, food sovereignty, ecological design and tree appreciation. He holds a Bachelor of Arts degree in politics from the University of California Santa Cruz and a master's degree in Landscape Architecture from the University of British Columbia.

Michael James – DeepRoot Canada

A Forest Runs Through it: Innovative Solutions for Growing Large Trees for Stormwater Management and Other Ecological Services in Urban Areas

Tuesday, October 5th 4:15 p.m. – 5:00 p.m.

Summary: A Forest Runs Through it

With innovative design, large, healthy urban trees can prolong rather than shorten the lifespan of surrounding pavement, contribute significantly to cost-effective urban stormwater management, and also provide many other ecological and social benefits. A case study overview will show the breadth and magnitude of benefits large urban trees can provide. Multiple case studies throughout Canada and the US, including, Toronto, Vancouver, and Minneapolis, will be presented to show examples of how trees have been used with suspended pavement to grow large trees and manage large quantities of urban stormwater throughout the Canada and the United States.

Voluntary Presentations

Tuesday, October 5th 3:30 p.m. – 5:00p.m.

Speaker: James Steenberg
Representing: Dalhousie University
Topic: Modelling Climate Change Impacts and Adaptations in the Forests Halifax's Water Supply

Speaker: Jenn Ross
Representing: Dalhousie University
Topic: Success Stories: ENGO's Engaging Citizens in North America's Urban Forests

Speaker: Stan Kochanoff
Representing: Environova Planning Group Inc.
Topic: Planning for a New Approach to Planting for Street Trees

Jim Skiera - International Society of Arboriculture

Arboriculture Initiatives World Wide

Thursday, October 7th 9:00a.m. – 9:45 a.m.

Summary: Arboriculture Initiatives World Wide

Communities around the world are beginning to understand the value of greener cities. The term urban forestry is popping up over and over again as a management strategy to respond to the green movement. This talk will present how arboriculture professionals around the world are meeting the demands of urban foresters, citizens, and policy makers to establish and maintain greener communities.

Biography

Jim received his Bachelor of Science degree in landscape architecture, with a secondary major in ornamental horticulture from the University of Wisconsin in 1980. He practiced as a landscape architect as president and owner of the Landscape Guild in Denver, Colorado from 1981-1988, served as City Arborist for the City of Urbana, Illinois, from 1988-1992 and also as the landscape superintendent for the University of California, Davis from 1992-1994. Currently he is the Executive Director of the International Society of Arboriculture, a scientific and professional membership organization with 21,000 members worldwide. He also serves as Chair of the Sustainable Urban Forest Coalition, a US based advocacy coalition composed of 22 organizations, and a member of the executive board of i-Tree, a suite of software programs developed by the US Forest Service to quantify the ecosystem services values provided by the urban forest and individual trees.

Peter Bigelow – Halifax Regional Municipality

Urban Forest as Bio-Functional Infrastructure

Thursday, October 7th 9:00 a.m. – 9:45 a.m.

Summary: Urban Forest as Bio-Functional Infrastructure

N/A

Biography

Peter is the Manager of Real Property Planning for the Halifax Regional Municipality where he is responsible for the planning and management of more than 16,000 municipally owned properties and the public services they support. He is a biology graduate of Acadia University as well as a graduate of the University of Guelph with a degree in Landscape Architecture. Peter worked in the private sector before joining the City of Halifax and then the Halifax Regional Municipality. His direct involvement with managing trees began with the city of Halifax and has continued to this day with trees and the urban forest being an ever increasingly more important part of the municipality's functional assets. Currently Peter is involved in producing an urban forest master plan for the Halifax Regional Municipality.

Philip van Wassenauer, B.Sc., MFC - Urban Forest Innovations Inc.

Conservation Arboriculture

Thursday, October 7th 10:15 a.m. – 11:00 a.m.

Summary: Conservation Arboriculture

The presentation examines aspects of tree morphology, aging processes, tree survival strategies, co-evolution and micro-ecology associated with aging trees, and veteran tree management techniques. The presenter will also explore innovative and advanced tree risk assessment methods and discuss how these can be applied to the management of aging urban trees to balance ecological values with human aesthetics and safety issues. As a result, audience members will understand how to apply advanced techniques to their own trees and more accurately assess the safety of ecologically important veteran urban trees.

Biography

Philip van Wassenauer is the principal consulting arborist and founder of Urban Forest Innovations Inc and Urban Forest Innovative Solutions. With over 15 years experience as a practicing arborist, Philip has been an International Society of

Arboriculture (ISA) Certified Arborist since 1996 and a member of the prestigious American Society of Consulting Arborists (ASCA) since 1999. Philip served as both President (former) and Director of the Ontario Urban Forest Council (OUFC) between 1997 and 2008. Philip's further qualifications include an undergraduate degree in Environmental Sciences, and a Master of Forest Conservation degree with a specialization in Urban Forest Management, from the University of Toronto. In 2009 Philip was one of the first seven recipients of the ISA "True Professionals of Arboriculture" awards in recognition of his commitment to education and the advancement of arboriculture. Philip's strong combination of education and experience allow him to bring a unique and successful approach to his arboricultural and urban forestry projects. Through his professional and volunteer efforts Philip has worked locally, nationally and internationally on assignments concerning urban forestry and the preservation of significant trees.

Kelly Honeyman – JD Irving

Trees and Brownfield Restoration

Thursday, October 7th 10:15 a.m. – 11:00 a.m.

Summary: Trees and Brownfield Restoration

This presentation will discuss the development of the Irving Nature Park; a 600 acre (243 hectare) site created by J.D. Irving, Limited to help protect an environmentally significant area. This special part of the Fundy coastline, minutes from downtown Saint John, a major urban centre of New Brunswick, is now a place where the public can enjoy and experience the various ecosystems of the Southern New Brunswick coastline.

Biography

Kelly Honeyman graduated from UNB in 1988 with BA Honors in Psychology. He then went on to take Industrial Instrumentation Control at the NB Community College and completed the program in 1992. In 1983 Kelly was working for the Town of Quispamsis, providing interpretive programs for Hammond River Park. Based on that work experience he was encouraged to apply to J.D. Irving, Limited when they established the Irving Nature Park in 1992. Kelly now oversees both the Irving Nature Park in Saint John and Irving Eco-Centre, LaDune du Bouctouche.

Dwayne Neustaeter - Arboriculture Canada Training & Education Ltd.

Low Impact Arboriculture – Tree Health

Thursday, October 7th 11:00 a.m. – 12:00 p.m.

Low Impact Arboriculture – Occupational Health and Safety

Thursdat, October 7th 1:30 p.m. – 3:00 p.m.

Summary: Low Impact Arboriculture – Tree Health

Have you ever heard someone say that it is best for us as arborists to do as little as possible in the way of treatments and let the trees take care of themselves? Obviously, there are trees in native forest stands that have survived for hundreds of years with no care or maintenance at all, however the natural environment is much different from the urban environment and this is where tree care maintenance is necessary. This session introduces tree care techniques that focus on what is good for the tree and how to meet the needs presented by trees in the urban environment. You will learn how trees are connected with all aspects of their environment, from roots to shoots, and how to integrate this concept into all tree care practices.

Summary: Low Impact Arboriculture – Occupational Health and Safety

Have you ever questioned your safety or the safety of your staff when climbing, cutting or pruning a tree? Have you or someone in your staff witnessed an accident or experienced a near miss when working with trees? This session will discuss tree assessment methods that will improve your ability and confidence in creating a safe working environment for your arborist crews. This session will build on the tree system concept and discuss maintenance techniques that are low

impact to the tree and low impact to the people who work on them.

Biography

Dwayne Neustaeter is president of Arboriculture Canada Training & Education Ltd., an organization focusing on meeting the training and business needs of arborists and related industries. He instructs classes and seminars on safety and a wide range of skills for arborists around the world. Dwayne has nearly 20 years of experience in the tree care and related industries, focusing on total tree care operations, instruction and testing at a post-secondary level and lastly with instruction, program development & certification with private training businesses. He is passionate about helping organizations in the green industry with management issues such as: team building, standard operating procedures, occupational hazard compliance, and strengthening business practices that will serve to improve the bottom line and minimize risks. Dwayne is past-president of the ISA Prairie Chapter, current committee member of the ISA Tree Risk Assessment Qualification Panel of Experts and a current SCA board member.

Heather Hawker – City of Moncton

Community Forestry Initiatives

Thursday, October 7th 11:00 a.m. – 12:00 p.m.

Summary: Community Forestry Initiatives

The sugar bush operation in the city of Moncton and other community forestry initiatives will be discussed.

Biography

Heather Hawker works for Recreation, Parks and Tourism Department for the City of Moncton. She worked with Engineering for over 18 years prior to transferring to the Parks Department three years ago. Her background and over 28 years experience is in the forest industry along with fish and wildlife educational programming. Heather has developed and teaches environmental education with school districts (K- to grade 12) incorporating hands on environmental learning in nature's classroom - outdoors. Her passion includes watershed/forest land management offering various users an opportunity to learn about nature. Water quality is a major priority of which she leads several ongoing research studies including blue-green algae and stream enhancement/restoration projects. Heather also runs the City of Moncton sugar bush operation which brands Moncton as the first Municipality to own and operate their own sugar woods, promoting another value added forest product – maple.

Voluntary Presentations

Thursday, October 7th 1:30 p.m. – 3:30p.m.

Speaker: Camilo Ordonez
Representing: Dalhousie University
Topic: Ecological Integrity in Urban Forests

Speaker: Shawna Peckham
Representing: Dalhousie University
Topic: A need for nature in the City: Ecological consciousness development associated with naturalized urban spaces

Speaker: Margaret Symon
Representing: Shawnigan Lake School
Topic: Shawnigan Lake School Afforestation Project

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