

# 42<sup>nd</sup> BCRPA

## PARKS & GROUNDS SPRING TRAINING

2019

February 27 — 28, 2019  
Coast Hotel & Convention Centre  
20393 Fraser Hwy, Langley, BC

*CECs/CEUs are  
available.*

*FULL EVENT INFO  
& REGISTRATION AT  
[www.bcrpa.bc.ca](http://www.bcrpa.bc.ca)*

Tuesday, February 26 · Pre-Event Workshops  
Wednesday, February 27 · Maintenance Day  
Thursday, February 28 · Horticulture Day  
Friday, March 1 · Post-Event Workshop

#301-470 Granville Street  
Vancouver, BC V6C 1V5  
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[www.bcrpa.bc.ca](http://www.bcrpa.bc.ca)



**BCRPA**

BC RECREATION AND  
PARKS ASSOCIATION

## YOU'RE INVITED!

## WELCOME MESSAGE

In our 42nd year of this event, we are pleased to bring you local and international speakers who will address issues that are top of mind for you leaders in the parks sector. Our planning committee of your peers drew up this 2019 program featuring content on managing changes in our practices as a result of climate change, emergency response, high volume usage, and invasive species to name a few.

Over the two days we have 21 sessions; come to all or just one day. We encourage you to also take in one of the workshops both before and after to add to your

educational experience. We are confident that you walk away from this conference inspired to try new things in your work...

Yours truly,



Rebecca B Tunnacliffe  
CEO, BC Recreation and Parks Association

## Thank You to the Planning Committee

Special thanks to all the volunteers who devoted their time to develop the educational program:

- **Nancy McLean**, Corporation of Delta
- **Ralph Nevill**, District of North Vancouver
- **Todd Gross**, City of Richmond
- **Greg McNaughton**, City of North Vancouver
- **James Arden**, City of Abbotsford
- **Janet Rerecich**, BCRPA
- **Stephanie Androsoff**, BCRPA
- **Vanessa Sabitova**, BCRPA

## Thank You to our Sponsors

### 3 Star Sponsor (of 5 years!)



### 2 Star Sponsors



## EVENT & REGISTRATION INFORMATION

# 42<sup>nd</sup> BCRPA PARKS & GROUNDS SPRING TRAINING 2019

February 27 — 28, 2019

Coast Hotel & Convention Centre  
20393 Fraser Hwy, Langley, BC

- Maintenance Day: February 27
- Horticulture Day: February 28
- Pre-Event Workshops: Feb 26
- Post-Event Workshop: Mar 1

## Registration Fees

Two early bird opportunities are available to help you save \$\$\$.

**January 24, 2019** is the first deadline for the best Early Bird rates and **February 7, 2019** is the deadline for second Early Bird rates.

Daily registration is available for:

- Maintenance Day on Wed, February 27
- Horticulture Day on Thurs, February 28

OR register for BOTH days and save!!!

**Pre- and Post-event workshops** are also available as add-ons or as individual workshops, on Tues, February 26 and Fri, March 1. **Member savings and Early Bird savings apply to select sessions.**

**Don't delay, register now!**

[www.bcrpa.bc.ca/conferences/parks-and-grounds-spring-training/](http://www.bcrpa.bc.ca/conferences/parks-and-grounds-spring-training/)

### Spring Training Delegate Fees

One day and two day registration is available.

Best rates end January 23!  
Register now!

NEW RATES!	1st Early Bird ending Jan 24, 2019		2nd Early Bird Jan 25 to Feb 7, 2019		Regular Starting Feb 8, 2019	
	1 Day	2 Days	1 Day	2 Days	1 Day	2 Days
MEMBER	\$170	\$255	\$185	\$275	\$200	\$295
Non-Member	\$220	\$340	\$235	\$360	\$250	\$380
Student Member	\$116	\$155	\$132	\$176	\$137	\$183

### Pre-Workshop (Feb 26) Delegate Fees

	Ending Jan 24	Jan 25 to Feb 7	Starting Feb 8
Park Management with Gil Penalosa	\$75	\$85	\$90
Parks Liability Risks with Samantha Boyce	\$65	\$75	\$80
Register for both and get a discount (plus lunch)!	\$120	\$135	\$140
Playground Safety Awareness Course (lunch included)	BCRPA Member \$185	Non-member \$195	BCRPA Student \$175

### Post-Workshop (Mar 1) Delegate Fees

	Ending Jan 24	Jan 25 to Feb 7	Starting Feb 8
Local Gardens Creating Global Goals (lunch included)	\$109	\$119	\$129

The **refund & cancellations policy** can be found online on the [Registration Information page](#).

## EVENT INFORMATION

### CECs & CEUs

British Columbia Society of Landscape Architects (BCSLA) credits are available for full day attendance. CEUs have been approved by Western Canada Turfgrass Association (WCTA) and International Society of Arboriculture (ISA) for select sessions. The Program Guide has been submitted to the Planning Institute of BC (PIBC). [Details are online.](#)



## Schedule At-A-Glance

### PRE-EVENT | TUE FEBRUARY 26

8:30 am — 4 pm	BCRPA Playground Safety Awareness Course
9 am — 11:30 am	Parks Management: A Tool for Creating Healthy and Vibrant Communities for All
12:30 — 3:30 pm	Identifying and Addressing Parks Liability Risks

### MAINTENANCE DAY | WED FEBRUARY 27

7:15 — 8 am	Registration Check-In & Refreshments
8 — 8:15 am	Opening Remarks
8:15 — 9:15 am	Opening Keynote
9:15 — 9:30 am	Transition Break & Tradeshow
9:30 — 10:30 am	Concurrent Sessions A
10:30 — 10:45 am	Transition Break & Tradeshow
10:45 — 11:45 am	Concurrent Sessions B
11:45 am — 1 pm	Buffet Lunch & Tradeshow
1 — 2 pm	Concurrent Sessions C
2 — 2:15 pm	Nutrition Break & Tradeshow
2:15 — 3:15 pm	Closing Plenary
3:15 — 3:30 pm	Closing Remarks & Prize Draw

### HORTICULTURE DAY | THURS FEBRUARY 28

7:15 — 8 am	Registration Check-In & Refreshments
8 — 8:15 am	Opening Remarks
8:15 — 9:15 am	Opening Keynote
9:15 — 9:30 am	Transition Break & Tradeshow
9:30 — 10:30 am	Concurrent Sessions D
10:30 — 10:45 am	Nutrition Break & Tradeshow
10:45 — 11:45 am	Concurrent Sessions E
11:45 am — 1 pm	Buffet Lunch & Tradeshow
1 — 2 pm	Concurrent Sessions F
2 — 2:15 pm	Nutrition Break & Tradeshow
2:15 — 3:15 pm	Closing Keynote
3:15 — 3:30 pm	Closing Remarks & Prize Draw

### POST-EVENT | FRI March 01

9:30 am — 3:30 pm	Local Gardens Creating Global Goals
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### Photography & Recording Policies

The policy on recording presentations and event photography is in effect. [Read the policy here: www.bcrpa.bc.ca/media/79769/st-photosrecordingpolicy.pdf](http://www.bcrpa.bc.ca/media/79769/st-photosrecordingpolicy.pdf)

# Pre-Event

## Tuesday, February 26

- **Park Management: A Tool for Creating Healthy and Vibrant Communities for All** | Gil Penalosa

**9 am — 11:30 am** | Coast Hotel & Convention Centre, 20393 Fraser Hwy, Langley, BC | **2.5 CEUs (ISA)**

Very often it seems easier to find millions of dollars to build parks than it is to find the thousands that are needed to make them work. Many parks are suffering from deficient management. Most municipalities confuse management with maintenance when this second is just a small part of the first. Parks require maintenance, but they also require much more. Management should include elements such as frequent community engagement, diverse uses and activities suitable for all ages and levels of ability, equitable access, safety, as well as be a suitable space in the context of each community. Cities need a great park system to satisfy different needs, not just one iconic park. International examples will be shown.

**GIL PENALOSA** is passionate about creating vibrant cities and healthy communities for everyone regardless of age, social, economic, or ethnic background. See complete bio on page 6.

- **Identifying and Addressing Parks Liability Risks** | Samantha Boyce

**12:30 pm — 3:30 pm** | Coast Hotel & Convention Centre, 20393 Fraser Hwy, Langley, BC | **3.0 CEUs (ISA)**

Local government parks staff can reduce their liability risks by implementing proper maintenance policies and procedures. Gain an overview of the law on occupier's liability, as well as review the unique and unusual legal issues that parks departments face. Learn the hows and whys of what to do and what not to do when developing a parks maintenance program. Group discussion on the power of policies and best practices for responding to a possible claim will leave you with an improved understanding of the liability risks parks departments face, and how to set up a maintenance program that will minimize the number and severity of claims.

**Samantha Boyce** is one of the Municipal Insurance Association of BC's (MIABC) in-house legal counsel. See complete bio on page 15.

**Note:** if you register for both workshops above, lunch will be provided (AND you get a discount!)

- **BCRPA Playground Safety Awareness Course** | Tim Richards

**8:30 am — 4 pm** | lunch included  
Timms Community Centre, 20399 Douglas Crescent, Langley, BC

This full-day course is for those who need an introduction or refresher on playground safety and the Canadian Standards Association's (CSA) Children's Playspaces and Equipment Standards. This course introduces and reviews the skills and knowledge required to detect hazards and non-CSA compliant installations. Participants will learn the theory necessary to conduct a practical on-site playground inspection. A certificate of completion is provided following the session.

**Tim Richards** authored the BCRPA Playground Safety Awareness Course and has instructed the course for 14 years. See complete bio on page 15.

# Post-Event

## Friday, March 01

- **Local Gardens Growing Global Goals** | Tara Moreau, Egan Davis and Douglas Justice

**9:30 am — 3:30 pm** | lunch included  
UBC Botanical Garden, 6804 SW Marine Drive, Vancouver, BC | **1.5 to 4.5 CEUs (ISA)**

In this day-long workshop, participants will gain a better understanding of how UBC Botanical Garden is approaching **sustainable horticulture and climate change adaptation**. Participants will learn about management strategies for supporting plant conservation goals and sustainability practices. They will also participate in a team building program called the Sustainable Communities Field School where they will learn about local sustainability to support biodiversity conservation, sustainable food systems, and connections between urban forests and water resources. Following lunch, garden curators will share their approaches to managing diverse ecosystems at UBC Botanical Garden. The day will close with a guided tour.

**Tara Moreau, Egan Davis and Douglas Justice** are leaders at the UBC Botanical Garden. See complete bios on pages 13 and 16.

# Maintenance Day

## Wednesday, February 27

### SESSION STREAMS

- General Interest
- Arboriculture
- Parks Maintenance
- Urban Forestry

## Opening Keynote | Gil Penalosa

8:15 — 9:15 am

### Parks and Other Public Spaces: Creating Vibrant & Healthy Cities for All | 1.0 CEUs (ISA)

Communities around the world are facing numerous challenges including economic uncertainty, population growth, the effects of climate change, and public health crises. Parks can help to address all these challenges, while also contributing to local culture and social integration. Using specific examples to focus on the various challenges mentioned above, participants will learn about parks from around the world and their impacts on local communities.

An emphasis will also be placed on the importance of community involvement. When evaluating the success of a city, an important measure is looking at how we treat our most vulnerable citizens: the children, older adults and lower income groups. When evaluating a park system, the same tools should be applied. To get an accurate evaluation, we must honestly listen to the community. Citizen engagement is vital throughout the entire process. In order to maximize the benefits that park systems can bring, we must develop broad alliances, with many groups including, elected officials from all levels of government, a multi-departmental public sector staff, universities, civil society, business, media, etc. A shared vision and commitment to action are essential to “moving from talking, to doing.”



**GIL PENALOSA** is passionate about creating vibrant cities and healthy communities for everyone regardless of age, social, economic, or ethnic background. Gil is the founder and chair of the internationally recognized Canadian nonprofit organization *8-80 Cities*. Before immigrating to Canada, Gil was Commissioner in Bogota. He holds an MBA from UCLA's Anderson

School of Management, where he was recently selected as one of the “100 Most Inspirational Alumni” in the school's history. In 2015, Gil received a Doctorate Honoris Causa from the Faculty of Urban Planning at the prominent Swedish university, SLU. Last year, Gil was listed in *Planetizen's Top 100 Most Influential Urbanists*.

## Concurrent Sessions A

9:30 — 10:30 am

### A1: Too Much of a Good Thing — When Neighbourhood Parks become Regional Destinations |

Wayne Maskall and Susan Rogers |

*Parks Maintenance*

High volume visits to regional destination parks pose many issues and can be a challenge for neighbourhoods and parks maintenance. Take a dive into the summer of 2018 to review the strategies taken by the District of North Vancouver to manage capacity and demand for Deep Cove and Lynn Canyon Parks. Learn about some of the key tools that were used to build a successful program, including communication strategies, collaboration, and enforcement. Participants will discover how to measure successes and failures, and use this information to build a better program.

### A2: Redesigning On-Street and In-Park Recycling |

Lyndsey Chauhan and Michelle Harris | *General*

*Interest*

Recycle BC and the City of Vancouver will provide an overview and learnings from their joint on-street and in-park recycling pilot program. In addition, they will share changes made to the in-park recycling initiative since the pilot including modifications made to the bins, refinements to the accepted materials list and changes in concession packaging to better align with in-park recycling and organics sorting options.

### A3: Best Practices for Managing Invasive Species in the Metro Vancouver Region | Tasha Murray and

Laura Bates-Frymel | *Arboriculture / Urban Forestry*

| 0.5 IPM Landscape & Dispenser (WCTA);  
0.5 to 1.0 CEUs (ISA)

Learn about locally-appropriate best management practices (BMPs) for several invasive species found in the Metro Vancouver region including knotweeds, giant hogweed, European chafer beetle, European fire ant, Himalayan blackberry, Scotch broom, lamium/yellow archangel, English ivy, English holly, parrot's feather and policeman's helmet. The presenters will cover reproduction and spread, habitat and distribution, identification, reporting, control and disposal options, plus more. Hard copies of the most recent versions of the BMPs will be available.

# Maintenance Day

## Wednesday, February 27

continued...

### SESSION STREAMS

- General Interest
- Arboriculture
- Parks Maintenance
- Urban Forestry

## Concurrent Sessions B

10:45 — 11:45 am

### **B1: Building Collaboration — Finding Synergies Where You Least Expect** | Chrissy Borseth and Nicole MacDonald | *Parks Maintenance*

Stop, collaborate and listen. Planning your next park project? Organizing your next public engagement plan? Don't tackle it alone. Chances are there are others in your organization working toward the same goal. This session will focus on the values and benefits of working in collaboration, including sharing insights, strategies, and resources which can lead to increased efficiency and greater impacts. Plus, collaboration can make the path to completion a lot more fun. Review and learn from joint projects, and walk away with some take home tools to help you find synergies in your own workplace.

### **B2: Soils for Stormwater and Plants — Mythbusting!** | Howard Stenn | *General Interest* | 1.0 CEUs (ISA)

Strategies to restore and enhance soil capabilities to absorb and filter stormwater runoff have been adopted by planners and regulators across Canada and the US. A variety of soil, sand-compost, and soil-less mixes have been promoted for these applications, resulting in a similar variety of outcomes. In this session, participants will learn from the presenters' 20 years of experience in soil improvement and bioretention. He will review the evidence for supporting the use of soils for stormwater management, what's working and why they sometimes don't work as planned, and what current research is showing. Learn what works and bust some myths on bioretention soil and water quality.

### **B3: Role of Emergency Management in BC** | Ian Cunnings | *Arboriculture / Urban Forestry*

Believe it or not, parks play a role in the emergency management response in BC. A review of the 2017 BC Wildfire response will provide an overview of Emergency Management in BC and the impact of local government management and policies on fire and fire response. Learn more about the potential role parks staff may play during an emergency, from fire prevention to emergency response and mitigation.

## Concurrent Sessions C

1 — 2 pm

### **C1: Hot Topics in the Park Experience — Innovation, Ideas and Issues** | Facilitators: James Arden and Todd Gross | *General Interest*

This facilitated session covers the major hot issues in the parks maintenance sector and is an open dialogue of general topics and specific topics pre-generated from participants. Delegates will be contacted in advance for input on the hot topics for discussion.

### **C2: Arborist Reports — What You Need to Know!** | Steve Whitton | *Parks Maintenance* | 1.0 CEUs (ISA)

Arborists, city foresters, and tree care specialists are often required to submit Arborist Reports for development and permit applications, and bylaw investigations. Arborist Reports are used to determine which trees to remove, which trees to preserve, as well as remediation actions for pest control, and disease. This session focuses on how to write and evaluate an Arborist Report. **Writers** – learn what to look for in an onsite investigation, what kind of information to include, and how to write it so that it can be easily understood by the intended reader. **Readers** – learn what to look for in a report, and what questions to ask the report writer. Walk away with a better grasp of what an adequately detailed Arborist Report looks like, and how to write one.

### **C3: Managing Public Behaviours During Fire Season** | David Leavers and Tyler Langeloo | *Urban Forestry*

The intense and extended fire seasons of 2017 and 2018 have caused park operators throughout BC to wonder if this is the new normal. While we strive to protect our natural areas, more and more people are choosing to both live in the interface, and access the near wilderness that surrounds our communities to connect with nature. This session focuses on managing public behaviours as an important preventative responsibility of parks departments in coordination with local fire authorities. Delegates will learn about how Metro Vancouver Regional Parks works with watersheds staff and local fire authorities to manage risk and public behaviours throughout its 22 member jurisdictions.

# Maintenance Day

Wednesday, February 27  
continued...

SESSION  
STREAMS

- General Interest
- Arboriculture
- Parks Maintenance
- Urban Forestry

## Closing Plenary | Linda Chalker-Scott

2:15 — 3:15 pm

### Landscape Maintenance Zombies — How to Recognize and Dispatch | 1.0 CEUs (ISA)

Landscape professionals want the latest plant and soil science information to pass on to their clients, but how do you determine what's science and what's pseudoscience? You can quickly lose your credibility (and business) when you end up promoting products and practices that aren't based on reputable science. This session will provide landscape professionals with some guidelines for evaluating articles, books, and electronic resources objectively. We'll then use those guidelines to evaluate some products and practices of current interest. Participants will learn to use the CRAP test to evaluate sources of information and evaluate the science behind some common management products and practices.



**LINDA CHALKER-SCOTT** has a PhD in Horticulture from Oregon State University and is an ISA certified arborist. She is Washington State University's Extension Urban Horticulturist and an Associate Professor in the Department of Horticulture and Landscape Architecture. In her position, she

develops educational materials for home gardeners, certified arborists, restoration ecologists, pesticide applicators, and the nursery and landscape industry. She is also a regular contributor and science editor for Master Gardener Magazine, a Washington-based quarterly publication that presents scientifically valid information to a popular gardening audience. Her first book, *The Informed Gardener* (2008, University of Washington Press), is an examination of some common horticultural myths and was awarded a Silver Medal of Achievement from the Garden Writers Association in 2009.



### Urban Sedum Turf (Grass Turf Alternative)

**Hardy, pre-grown Sedum Turf provides immediate coverage of beautiful low-growing, drought tolerant plants for landscape, road/parking lot medians and more.**



**Sedum Turf Contact: Walt Pinder. All other plants: Michael Campbell. 604-530-9300**

# Horticulture Day

## Thursday, February 28

**SESSION  
STREAMS**

- General Interest
- Nurseries
- Trees / Streetscapes
- Insects and Pesticides

### Opening Plenary I

#### Linda Chalker-Scott

8:15 — 9:15 am

#### Horticulture CSI — Why Did My Plants Die? | 1.0 CEUs (ISA)

This session will present a diagnostic approach to discovering the cause behind landscape failure. Many landscape plants die because of avoidable errors in selecting, transplanting, and maintaining trees and shrubs. An alternative set of suggested best practices are presented based on recent and on-going research. Participants will be able to learn how improper planting techniques and aftercare practices can begin the “mortality spiral” leading to the early death of urban trees. Improve your diagnostic skills in recognizing stress cues.



**LINDA CHALKER-SCOTT** is a trained woody plant physiologist, which she applies to understand how trees and shrubs function in urban environments. She is Washington State University’s Extension Urban Horticulturist and an Associate Professor in the Department of

Horticulture and Landscape Architecture. She has authored many books including *The Informed Gardener* (2008), *The Informed Gardener Blooms Again* (2010), *Sustainable Landscapes and Gardens: Good Science - Practical Application* (2009) and *How Plants Work: The Science Behind the Amazing Things Plants Do*. Her latest work is an update of Art Kruckeberg’s *Gardening with Native Plants of the Pacific Northwest* (2019). In 2018 Linda was featured in a video series, *The Science of Gardening*, produced by *The Great Courses*. She also is one of the Garden Professors, a group of academic colleagues who educate and entertain through their blog and Facebook pages. Linda’s contribution to gardeners was recognized in 2017 by the Association for Garden Communicators as the first recipient of their Cynthia Westcott Scientific Writing Award.

### Concurrent Sessions D

9:30 — 10:30 am

#### D1: The Intersection of Policy and Landscaping: Green Roofs, Private Property, Sedums, Tree Bylaw and More! | Lee Beaulieu and Walt Pinder | Nurseries | 1.0 CEUs (ISA)

In this session, participants will gain a better understanding of current tree bylaws and landscape policies, and how they have affected the use of green roof technology, and sedums as alternative ground cover. A group discussion on the types of green roofs and sedums will highlight the pros and cons of various options, including irrigation and maintenance challenges and possible solutions. Participants will walk away with a deeper understanding of green roof and sedum landscape maintenance issues and solutions, and practical tips that can be applied to their work.

#### D2: Do You Like to Breathe? | Wyatt Sjodin | Trees / Streetscapes | 0.25 to 1.0 CEUs (ISA)

We need more trees. Trees are the answer to some of the world’s biggest problems. This presentation focuses on what we have been doing and what we should be doing to establish and maintain our urban forest canopies. In an open forum, participants will be invited to discuss planting trees in an urban environment, with a focus on evolving strategies in an effort to cope with a rapidly changing climate. We will examine species selection, soil amendment, water retention tools, etc. The presenter will share what Abbotsford has been doing to prepare for harsher weather patterns.

#### D3: Pesticide Regulation — Get in The Know! | Chelsea Eby and Virginia Scott | Insects and Pesticides | 1.0 CEUs (ISA)

This session will provide a broad overview of the current pesticide regulations under federal and provincial legislation, including the use of integrated pest management (IPM). Hear from federal and provincial pesticide officers and keep your knowledge current on pesticide use and restrictions, licensing, importing and storage. Additionally, learn about the types of inspection and enforcement activities that are undertaken by Health Canada, the Ministry of Environment and Climate Change Strategy, and what to expect during an inspection.

# Horticulture Day

## Thursday, February 28

continued...

**SESSION  
STREAMS**

- General Interest
- Nurseries
- Trees / Streetscapes
- Insects and Pesticides

## Concurrent Sessions E

10:45 — 11:45 am

**E1: Developing an Irrigation System for a 25-Acre Forest Garden | Andy Hill | Nurseries | 1.0 CEUs (ISA)**

In the David C. Lam Asian Garden at UBC Botanical Garden, staff replaced and expanded an irrigation system across the 25-acre forest garden ecosystem. With a unique story, the project prioritized resilience and sustainability and created a system that will help grow healthy plant collections for education and scientific research. The presentation will explore how design and technology was used to address specific challenges and facilitate new opportunities. Attendees will learn about the UBC Botanical Garden and their living collections of rare Asian plants, the process UBC Botanical Garden went through to design and install an irrigation system for the 25-acre David C. Lam Asian Garden, and, explore potential future research directions for UBC Botanical Garden.

**E2: Urban Forests and Climate Adaptation | Edward Nichol and Josephine Clark | Trees/Streetscapes | 0.5 to 1.0 CEUs (ISA)**

Urban forests provide essential ecosystem services, including climate adaptation benefits such as shading, cooling and stormwater management. In the Metro Vancouver region, practical guidance on how to plan and manage urban forests within the built environment and in a changing climate was lacking. To address this knowledge gap, Metro Vancouver convened an advisory panel made up of academic experts and government staff, including planners, urban foresters and ecologists, to collaboratively develop the Urban Forest Climate Adaptation Framework and Design Guidebook. Along with the supporting Tree Species Selection database, these materials help practitioners select well-adapted tree species for the present and future climate. Results of the project will be reviewed, with a focus on the challenges and opportunities of incorporating climate change considerations into urban forest planning and management. Participants will gain practical guidance on how to include climate adaptation and suitability into urban forest planning and management while using the Tree Species Selection database, or when selecting suitable species.

**E3: Update of Japanese Beetle in Vancouver, and Potential Invasives on the Horizon | Troy Kimoto | Insects and Pesticides | 1.0 IPM Landscape & Dispenser (WCTA); 0.5 to 1.0 CEUs (ISA)**

This presentation will review the biology and impacts of an important turf and horticultural pest, the Japanese beetle. In 2017, Japanese beetle was discovered in Vancouver. This talk will summarize the efforts of City of Vancouver, BC Ministry of Agriculture, industry and the Canadian Food Inspection Agency to eradicate this pest. Learn about the biology of Japanese beetle, receive an update on the eradication program in Vancouver, learn how to recognize adult Japanese beetles (and differentiate it from look-a-like insects), who to contact if suspect specimens are found and learn about CFIA regulations that are designed to limit the spread of Japanese beetle. Additionally, this talk will also discuss a few other invasive species that do not currently occur in BC, but are at risk of being introduced to this province. Outreach material (e.g. field cards, pamphlets) will also be available, some of which can assist in identifying pests in the field.



# Horticulture Day

## Thursday, February 28

continued...

**SESSION  
STREAMS**

- General Interest
- Nurseries
- Trees / Streetscapes
- Insects and Pesticides

## Concurrent Sessions F

1 — 2 pm

**F1: Grow Green — Engaging Communities in Sustainable Gardening | Josephine Clark and Tara Moreau | Nurseries | 0.5 to 1.0 CEUs (ISA)**

Grow Green ([growgreenguide.ca](http://growgreenguide.ca)) is an online guide for novice and experienced gardeners to create and maintain sustainable gardens and lawns in the Metro Vancouver region. It was created to support key initiatives such as water conservation, rainwater absorption, composting, increasing biodiversity and more. Review the history and development of Grow Green, its new direction, and emerging hot topics in sustainable gardening.

**F2: Re-grounding the Modern Northwest — Bringing Regionalism Home with Historically Informed Design | Shannon Nichol | Trees / Streetscapes | 1.0 CEUs (ISA)**

Landscape architects and gardeners around the world and North America use their region's local materials, native plants, and historic landscape references. Popular interest is also surging around themes of authenticity, nature, and biophilia. This talk will focus on the culture-shifting work that can happen in cities to reintroduce people to the unique beauty of local native landscapes, including Lurie Garden in Chicago, and recent work in the Seattle area.

**F3: How Invasive Species Affect Pollinators, and What Parks Can Do | Elizabeth Elle | Insects and Pesticides | 0.5 IPM Landscape & Dispensers (WCTA); 1.0 CEUs (ISA)**

Invasive species can have important impacts on both natural and managed areas within parks. Invasive plants can outcompete natives, and invasive plant pests can have devastating impacts as well. The impact can go beyond other plants, however, and affect our wild pollinators, some of which are in decline. This presentation will illustrate how habitat restoration can support wild pollinators, using data from the lower mainland. Elizabeth will also remind attendees of the major reasons pollinators are in decline, and discuss the impact of invasive pest control on our wild bees.

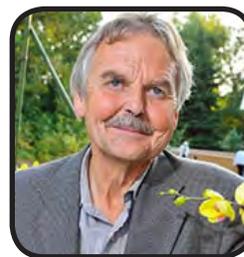
## Closing Keynote |

### Brian Minter

2:15 — 3:15 pm

**Dramatic New Connections Between People and Plants | 1.0 CEUs (ISA)**

Scientists doing research for the World Health Organization have discovered ground-breaking relationships between plants and people, from an improved sense of well-being and happiness to improved socialization and positive effects on our immune systems. Britain is now saving \$2.7 billion per year on healthcare because of their creative use of green spaces. See the first 'forest' apartment. Learners will walk away with a new understanding of the importance of the creative use of green spaces, including the importance of urban forests, as well as the challenges and benefits of the 'green city' movement and its implications.



**BRIAN MINTER** is a University of British Columbia graduate (BA) and Master Gardener, and quickly became BC's go-to garden expert through his experience at both the Minter Gardens garden centre and display gardens. As such, he has hosted countless radio and television shows, is a frequent gardening columnist and is author of

*Canadian Best Seller, Brian Minter's New Gardening Guide - Fresh Approaches for Canadian Gardeners.* Brian is well known from his magazine and syndicated newspaper columns and TV and radio programs. He is recipient of the Order of Canada (2018), an Honorary Doctorate of Technology, and many other awards. Just recently, Brian received an Award of Merit from the Perennial Plant Association in recognition of outstanding contributions to the perennial industry. He was also inducted into the Gardening Writers Association's Hall of Fame 'in recognition of a lifetime of exceptional work and spirit promoting gardening and garden communications to the public.'

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**Keynote & Plenary Presenters**



**Gil Penalosa** is passionate about creating cities for all people; vibrant cities and healthy communities for everyone regardless of age and social, economic, or ethnic background. Gil is the founder and chair of the internationally recognized Canadian nonprofit organization 8-80 Cities. Before immigrating to Canada, Gil was Commissioner in Bogota. He holds an MBA from UCLA's Anderson School of Management, where he was recently selected as one of the "100 Most Inspirational Alumni" in the school's history. In 2015, Gil received a Doctorate Honoris Causa from the Faculty of Urban Planning at the prominent Swedish university, SLU. Last year, Gil was listed in Planetizen's Top 100 Most Influential Urbanists.



**Linda Chalker-Scott** has a PhD in Horticulture from Oregon State University and is an ISA certified arborist. She is Washington State University's Extension Urban Horticulturist and an Associate Professor in the Department of Horticulture and Landscape Architecture. In her position, she develops educational materials for home gardeners, certified arborists, restoration ecologists, pesticide applicators, and the nursery and landscape industry. She is also a regular contributor and science editor for Master Gardener Magazine, a Washington-based quarterly publication that presents scientifically valid information to a popular gardening audience, and is the author of numerous books. She also is one of the Garden Professors, a group of academic colleagues who educate and entertain through their blog and Facebook pages. Linda's contribution to gardeners was recognized in 2017 by the Association for Garden Communicators as the first recipient of their Cynthia Westcott Scientific Writing Award.



**Brian Minter** is a University of British Columbia graduate (BA) and Master Gardener, and quickly became BC's go-to garden expert through his experience at both the Minter Gardens garden centre and display gardens. As such, he has hosted countless radio and television shows, is a frequent gardening columnist and is author of Canadian Best Seller, *Brian Minter's New Gardening Guide - Fresh Approaches for Canadian Gardeners*. Brian is well known from his magazine and syndicated newspaper columns and TV and radio programs. He is recipient of the Order of Canada (2018), an Honorary Doctorate of Technology, and many other awards. Just recently, Brian received an Award of Merit from the Perennial Plant Association in recognition of outstanding contributions to the perennial industry. He was also inducted into the Gardening Writers Association's Hall of Fame 'in recognition of a lifetime of exceptional work and spirit promoting gardening and garden communications to the public.'

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# Session Presenters

**Andy Hill** became Curator of the David C. Lam Asian Garden at the UBC Botanical Garden in 2008. His interest in horticulture developed alongside a fascination with how gardens function as public space and how they can connect people to the natural world. He holds an MA in Environment and Management, and his research focus concerns botanical survey work in northern Vietnam.

**Chelsea Eby** is an Integrated Pest Management Officer for the BC Ministry of Environment & Climate Change Strategy based out of the Surrey office. She holds a Bachelor of Science from the University of Victoria and a Master of Pest Management from Simon Fraser University where she focused in agricultural pest management.

**Chrissy Borseth** has over 25 years of experience in the recreation and parks sector and is currently the Volunteer Coordinator for the City of Abbotsford. Beginning in her early years in aquatics she grew a desire to engage children and youth in recreation and parks activities that will last them for life. She studied sociology at Trinity Western University, is a certified Early Childhood Educator, and holds a Master's degree in Organizational Leadership from Royal Roads University. Her passion for engaging communities extends to the many organizations she has served with locally. Chrissy is a huge supporter of community engagement through volunteerism, both as a career and within her personal life.

**David Leavers** is the Visitor and Operations Services Division Manager at Metro Vancouver Regional Parks, leading the team responsible for the system coordination of regional parks visitor services and park operations policy, programs, procedures and standards. He has been a parks and recreation leader for over 30 years, and has worked in local government in Toronto, Coquitlam, and Langley.

**Douglas Justice** is Associate Director of Horticulture and the Collections at UBC Botanical Garden, with responsibility for day-to-day operations and the living collections. He is an instructor in the Garden's Horticulture Training Program, and also teaches woody plants in UBC's Landscape Architecture and Urban Forestry programs. Douglas trained in nursery work and is a life long gardener. He authored the mobile app entitled Vancouver Trees and is now working to complete a volume on Vancouver's shrubs.

**Edward Nichol** is a Senior Policy and Planning Analyst within the Environment department at Metro Vancouver Regional District. Edward currently leads Metro Vancouver's Urban Forest Climate Adaptation project and works on a variety of initiatives that address environmental issues across the Metro Vancouver region. Edward has a strong professional background in climate change adaptation and urban sustainability. He holds a Masters degree in Urban Ecology and Sustainable Planning from York University.

**Egan Davis** is a leader in the professional horticulture industry. He is a qualified Red Seal Horticulturalist from Vancouver, BC. Currently, Egan is the principal instructor for the Horticulture Training Program at the University of British Columbia. With past experiences at VanDusen Botanical Garden, Park and Tilford Gardens, and the Mendel Floral Conservatory in Saskatoon, Egan has a unique background focused on public and botanical gardens. For his entire career, Egan has also run a residential garden consultation, design and build company. He is a highly sought after speaker at garden clubs, professional seminars, and on the radio. He is a board member of HortEdBC, and has a keen interest in promoting the Red Seal certificate in BC.

**Elizabeth Elle** is currently Vice-Provost and Associate Vice President, Learning & Teaching at Simon Fraser University. She has been studying pollination for 25 years, and has focused for the last 15 years on the wild pollinators of BC and the Pacific Northwest. Elizabeth and her students research pollinator biodiversity, seeking to understand how wild bees, flies, and other flower visitors contribute both to crop production and the resilience of natural and restored ecosystems. Her main message: anyone can help "save the bees" if they help to provide and conserve habitat!

**Howard Stenn** is a resource conservation consultant and educator with three decades of experience developing practical applications for sustainable landscaping, water conservation, low-impact development and composting. Howard has worked hands-on at small-scale agriculture, landscape design-build, and nursery management, and consults for large-scale composters, landscape architects, and public agencies. He leads a team of soil scientists, landscape architects, and soil blenders who developed Washington's 2003 Post-Construction Soil Quality and Depth Stormwater Management BMP, and has been studying and refining it ever since!

### Session Presenters continued...

**Ian Cunnings** has been involved in the public service for the past 30 years. His Emergency Management experiences has included responses in Emergency Social Services, working in community Emergency Operation Centres and participating in numerous Provincial Regional Emergency Operations Centre (PREOC) activations as part of the management team, including overseeing the operational response and readiness of the South West PREOC in support of the 2010 Winter Olympics. In addition to his paid professional experience, Ian has been an active Ground Search and Rescue volunteer for 35 years and was a BC RCMP Auxiliary Constable for 10 years. Currently, Ian is the Senior Regional Manager for Emergency Management BC, South West Region.

**James Arden** is Director of Park Services for the City of Abbotsford. He has worked in the recreation and parks sector for over 31 years in the municipal setting. He has a strong background in recreation facilities and parks with a focus on capital project management and community engagement. James is currently working on his Masters in Leadership and strongly believes in giving back to the community he works and lives in, and to his BCRPA peers.

**Josephine Clark** is Regional Planner with the Environment Department at Metro Vancouver Regional District. As a professional biologist and GIS specialist, her work focuses on environmental planning initiatives to tackle complex ecological challenges that cross jurisdictional boundaries across the region. Current projects include the urban forest climate adaptation project, the Grow Green initiative, mapping sensitive ecosystems, and quantifying ecosystem services.

**Laurie Bates-Frymel** is Senior Regional Planner with Metro Vancouver Regional District. She coordinates Metro Vancouver's Regional Planning Advisory Committee (RPAC) – Invasive Species Subcommittee and sits on Metro Vancouver's Board of the Invasive Species Council. Laurie also coordinates RPAC's Environment Subcommittee, staff reviews of environmental assessments for major projects, and implementation of the regional district's Ecological Health Framework.

**Lee Beaulieu** has been a municipal landscape architect for 18 years. He is a certified arborist and is the lead for green roof policy in Vancouver. He is an Embedded Planner within the Green Infrastructure Team.

**Lyndsey Chauhan**, Director of Marketing and Communications with Recycle BC, is responsible for corporate marketing and communications activities including branding, advertising, sponsorship, web development, media relations, and all other resident promotion and education. Lyndsey has a Bachelor's degree in Human Kinetics, specializing in leisure and sport management, with a minor in commerce, from the University of British Columbia and spent years volunteering with UBC's School of Kinesiology as an alumni mentor.

**Michelle Harris** is a Senior Engineer for the Solid Waste Programs, Waste Management and Resource Recovery with Engineering Services for the City of Vancouver.

**Nicole MacDonald** has more than 20 years of experience in the environmental field. She brings a unique skill set of training and experience, blending together her backgrounds in wastewater, solid waste, planning and development. She holds a Diploma of Technology in Chemical Sciences and a Bachelor of Technology Degree in Environmental Engineering with Distinction, both from the British Columbia Institute of Technology. She is also a certified Environmental Professional, Applied Science Technologist and a Certified Erosion and Sediment Control Lead. She is currently the Solid Waste and Environmental Coordinator for the City of Abbotsford and is excited to be part of the driving force for positive change in her community.

**Samantha Boyce** is one of the Municipal Insurance Association of BC's (MIABC) in-house legal counsel. She has an undergraduate degree from Queens University and is a graduate of the University of Calgary Faculty of Law. She was called to the BC bar in 2015 after completing her articles at Alexander Holburn Beaudin + Lang LLP. Samantha represents MIABC members in a variety of cases including personal injury, property damage, occupiers' liability, police civil liability, and negligent bylaw enforcement claims. Samantha has trial and appellate experience in the British Columbia Supreme Court and the British Columbia Provincial Court.

### Session Presenters continued...

**Shannon Nichol** is a founding partner of Gustafson Guthrie Nichol. Her designs, including Millennium Park's Lurie Garden (Chicago), the Bill & Melinda Gates Foundation Campus (Seattle), and Boston's North End Parks, are widely recognized for being deeply embedded in their neighborhoods and natural contexts. She is a Fellow of the American Society of Landscape Architects and an Honorary Member of the American Institute of Architects (Seattle). She and her partners have received numerous awards including the Smithsonian's Cooper-Hewitt National Design Award for Landscape Architecture in 2011, and the 2017 ASLA National Landscape Architecture Firm Award. Shannon lectures internationally, frequently juries for design awards, and serves on advisory committees for universities and non-profits.

**Steve Whitton** has about 40 years of experience in the landscape/arboriculture field. Currently, he is Park Manager for the City of White Rock. Prior to this, he was Manager of the Tree and Landscape section for the City of Surrey, overseeing the Surrey Tree Bylaw for 8 years. Steve has also worked for 10 years in park development for the City of Surrey and as the gardener with Mission Hospital for 6 years. He has also worked in the private industry in landscape construction, and has owned his own company.

**Susan Rogers** is Park Manager for the District of North Vancouver. As a landscape architect and park planner, she has over 25 years of experience in the delivery of municipal park services that includes park master and management plans, trail development and strategic long term operational and capital park initiatives. She has collaborated with diverse user groups to implement a variety of trail management plans, with the goal to support sustainable outdoor recreation within the forested lands that characterize and attract so many trail users to the North Shore.

**Tara Moreau** is Associate Director of Sustainability and Community Programs at the UBC Botanical Garden, with responsibility for education and community outreach. She is a long-standing member of Vancouver's Food Policy Council and has been a board member at SPEC, a Vancouver-based environmental NGO for over 10 years. She has worked internationally as a consultant with the UN Food and Agriculture Organization, publishing work and presenting on topics such as climate change, food systems, sustainability education, agriculture, pest management and food policy.

**Tasha Murray** holds a BSc from Thompson River University and a Master of Studies (MST) from Portland State University. She has been involved in conservation in the Pacific Northwest for over 15 years and has worked extensively to manage and teach about invasive species. She has worked for the Invasive Species Council of Metro Vancouver since 2008 where she is currently the Executive Director.

**Tim Richards** is a parks and recreation consultant with a special interest in the Canadian Playground Standard, and has worked with his own firm for over 25 years. He has authored, then instructed the BCRPA Playground Safety Awareness Course for 14 years and is an active instructor and developer of the Canadian Playground Safety Institute. His firm has provided hundreds of independent playground inspections as well as expert witness reports.

**Todd Gross** is Director, Parks Services in the City of Richmond. He has a passion for parks and the environment and an extensive background in public sector leadership, recreation and parks, facilities, and project management. Todd has a Masters in Leadership, a diploma in Biological Sciences, Landscape Horticulture, a certificate in Local Government Administration (Capilano University) and is a certified Arborist and Landscape Inspector. In addition, he holds certifications from the National Recreation and Parks Association, North Carolina State University Directors and Resource Management programs.

**Troy Kimoto** is a survey biologist with the Canadian Food Inspection Agency where he is responsible for developing survey procedures to detect, delimit and monitor non-native invasive species. He also collaborates on domestic and international research projects and develops outreach material for these pests.

**Tyler Langeloo** is Supervisor, Park Operations, East Area. Metro Vancouver Regional Parks. Tyler has worked in various park operations roles for Metro Vancouver Regional Parks for over 15 years. He is the Supervisor of Park Operations for Brae Island, Campbell Valley, Derby Reach, and the Pitt River Regional Greenway. In addition to his experience in park operations, Tyler has also received a certificate in Emergency Management from the Justice Institute of British Columbia and volunteers with North Shore Emergency Management.

### Session **Presenters** continued...

**Virginia Abbott** holds a BSc in Ecology and Evolution from the University of Western Ontario and a MSc in Biology from Lakehead University. She has worked for Health Canada's Pesticide Compliance Program and the Pest Management Regulatory Agency (PMRA) for four years, promoting compliance with the federal Pest Control Products Act through educational opportunities and consultative projects with stakeholders. She also conducts inspections with users, manufacturers and distributors of pest control products. Before joining Health Canada, she was a Plant Health Inspector for CFIA for five years and a bee researcher at Simon Fraser University for three years.

**Walt Pinder** has 30 years of experience in the nursery industry. He became a green roof professional in 2017, and has been employed at NATS Nursery since 2016, where he educates clients on the benefits of versatility of the hybrid modular Live Roof System.

**Wayne Maskall** is Manager of Natural Parkland for the District of North Vancouver. As a Landscape Architect and Arborist, he has over 20 years of experience in the municipal setting, that includes park management, urban forestry, trail master planning & management, and bylaw enforcement.

**Wyatt Sjodin** is a tree lover who has been learning and practicing arboriculture for 30 years.