

# 66<sup>th</sup> FOREST PEST MANAGEMENT FORUM

November 28–30, 2023

Courtyard Marriott Downtown - Oak/Chestnut/Pine Room

In-person and Virtual Zoom Meeting Hosted by CIF

*\*Times are Eastern Standard Time*

## Agenda

Day One: Tuesday, November 28	
7:30	Registration and Coffee Service
<b>Breakout Session:</b> <b>Detection Tools and Management of Forest Insects and Diseases</b>	
<i>Moderator: Erin Appleton and Troy Kimoto, Canadian Food Inspection Agency</i>	
8:00	Behind the Scenes at CFIA: A Snapshot from Pest Report to Response <i>Erin Appleton, National Manager, Plant Health Surveillance Unit</i> <i>Canadian Food Inspection Agency</i>
8:15	The Moth Wall Project: Shedding Light on Moth Biodiversity <i>Joseph Bowden, Research Scientist</i> <i>Canadian Forest Service – Atlantic Forestry Centre</i>
8:35	Multifaceted Monitoring for Hemlock Woolly Adelgid
	Part 1: The Fellowship of the Trap <i>Victoria Derry, Forest Health Biologist</i> <i>Canadian Forest Service – Great Lakes Forestry Centre</i>
	Part 2: The Three Partners <i>Lauren Bell, Program Manager</i> <i>Invasive Species Centre</i>
	Part 3: The Return of the Traps <i>Erin Campbell, Research Scientist</i> <i>Canadian Food Inspection Agency</i>

9:20	Health Break
9:40	Forest Health Care from the Urban Forestry Perspective <i>Joel Harrison-Off, Forest Health Care Inspector</i> <i>City of Toronto</i>
10:00	Responding to Oak Wilt: Lessons Learned from a Municipality <i>Charlie Smith, ISA Certified Arborist</i> <i>City of Niagara Falls</i>
10:20	Prairie Forests: Challenges and Strategies for Managing Saskatoon's Urban Forest <i>Sydney Worthy, Entomologist</i> <i>City of Saskatoon</i>
10:40	StopDED: A Multi-Partner Collaboration to Protect Alberta's Tree Resource <i>Janet Feddes-Calpas, Executive Director</i> <i>StopDED</i>
11:00	Lunch (catered by the Courtyard Marriott)
<b>Forest Pest Management Forum - Opening</b>	
12:00	Introductory Remarks from the Forum Steering Committee Chair <i>Wayne MacKinnon, Forestry Officer</i> <i>Canadian Forest Service - Atlantic Forestry Centre</i>
12:10	Welcoming Remarks <i>Glenn Hargrove, Assistant Deputy Minister</i> <i>Natural Resources Canada, Canadian Forest Service</i>
<b>Session 1: National Forest Pest Strategy</b>	
12:20	Canadian Council of Forest Ministers: Forest Pest Working Group Update <i>Peter Fullarton, Director General</i> <i>Canadian Forest Service - Atlantic Forestry Centre</i> <i>Louis Morneau, Director of Forest Protection</i> <i>Ministry of Forests, Wildlife and Parks</i>

<b>Session 2: Canada and United States Reports</b>	
<i>Moderator: Wayne MacKinnon, Canadian Forest Service</i>	
12:35	Overview of Invasive Forest Pest Conditions in Canada <i>Erin Bullas-Appleton, National Manager, Plant Health Surveillance Unit</i> <i>Dominique Pelletier, National Manager, Forestry Section</i> <i>Canadian Food Inspection Agency</i>
1:05	Overview of Forest Pest Conditions in the U.S.A. <i>Sky Stephens, National Entomologist</i> <i>United States Department of Agriculture, Forest Health Protection</i>
1:35	Health Break
2:00	Forum Supporter Spotlight: Forest Protection Limited
<b>Session 3: Regional Reports</b>	
<i>Moderator: Laurie Saulnier, Canadian Forest Service</i>	
2:10	Northern Canada <i>Mark Pedersen, Yukon</i> <i>Oleg Melnik, Northwest Territories</i>
2:45	Western Canada <i>Babita Bains, British Columbia</i> <i>Mike Undershultz, Alberta</i>
3:20	Central Canada <i>Rory McIntosh, Saskatchewan</i> <i>Kyla Maslaniec, Manitoba</i>
3:55	Ontario <i>Dan Rowlinson, Ontario</i>
4:30	Forum Supporter Spotlight: Andermatt Canada
4:40	End of Day One
<b>Social Activity</b>	
6:30 - 11:00	Social with Industry Supporter Swag Courtyard Marriott Downtown, Oak/Chestnut/Pine Room

## Day Two: Wednesday, November 29

7:30 Registration and Coffee Service

### Graduate Seminar Series

*Moderator: Sara Edwards, Canadian Forest Service*

8:00 Using Multiple Criteria Decision Analysis as a Method to Address Mountain Pine Beetle Management  
*Emma Neale, Carleton University*

8:20 Metabolic Thermal Sensitivity of Overwintering Mountain Pine Beetle Larvae  
*Serita Fudlosid, Carleton University*

8:40 Navigating Climate Complexity: Mountain Pine Beetle and Symbiotic Fungal Interaction and Adaptation  
*Rashaduz Zaman, University of Alberta*

9:00 Terpene Defence Variation Among Host Species of Mountain Pine Beetle in Western North America: Implications to the Potential Host Expansion to the Canadian Boreal Forest  
*Yanshou (Silas) Liu, University of Alberta*

9:20 Health Break

9:40 Fungal Endophytes of White Spruce Modulate Tree Defenses  
*Aziz Ullah, University of Alberta*

10:00 Mechanism of Intercept Trap Function: Exploring Factors Related to Trap Performance for *Monochamus* Beetles  
*Joel Goodwin, University of Toronto*

10:20 Fluctuating Temperatures as a Predictor of Eastern Spruce Budworm Outbreaks  
*Emily Black, University of British Columbia*

10:40 Q&A with presenters

11:00 Lunch (catered by the Courtyard Marriott)

<b>Forest Pest Management Forum (continued)</b>	
<b>Keynote Speaker</b>	
12:00	Trapping Surveys for Detection of Nonnative Bark and Woodboring Beetles: Lessons Learned <i>Jon Sweeney, Emeritus Scientist</i> <i>Canadian Forest Service - Atlantic Forestry Centre</i>
<b>Session 3: Regional Reports (continued)</b>	
<i>Moderator: Bernard Daigle, Canadian Forest Service</i>	
12:30	Québec <i>Pierre Therrien, Québec</i>
1:05	Atlantic Canada <i>Andrew Morrison, New Brunswick</i> <i>Jeff Ogden, Nova Scotia</i> <i>Jeff Motty, Newfoundland and Labrador</i>
<b>Session 4: Pesticide Regulations, Alternatives, Minor Use Update</b>	
1:40	PMRA Update – What’s New in Terms of Products & Regulations <i>Dean Morewood, Evaluation Officer, Insecticides</i> <i>Health Canada, Pest Management Regulatory Agency</i>
1:55	Health Break
2:20	Forum Supporter Spotlight: GDG Environment
<b>Session 5: Canadian Food Inspection Agency</b>	
<i>Moderator: Dominique Pelletier, Canadian Food Inspection Agency</i>	
2:30	Building Morphological and DNA Libraries for Early Identification of Alien Phytophagous Beetles Posing a Risk to Canadian Plant Resources <i>Vasily Grebennikov, Research Scientist</i> <i>Canadian Food Inspection Agency</i>
2:50	Prescreening and Monitoring of Forest Plant Pathogens Using Sequencing Technologies in Regulatory Research (Oak Wilt-Phytophthora Root Rot) <i>Guillaume Bilodeau, Research Scientist</i> <i>Canadian Food Inspection Agency</i>
3:10	2023 Oak Wilt Response and Survey Tools

	<p><i>Arvind Vasudevan, Senior Forestry Specialist</i>  <i>Ron Neville, Plant Health Survey Biologist</i>  <i>Canadian Food Inspection Agency</i></p>
3:30	<p>How Information about Insect Visitation to Oak Wilt Mats and Wounds can help us Improve Oak Wilt Detection and Management  <i>Violet Butterwort, Research Scientist</i>  <i>Ontario Ministry of Natural Resources and Forestry</i></p>
3:50	<p>Surprising Lower Lethal Limits of the Invasive Spotted Lanternfly  <i>Amanda Roe, Research Scientist</i>  <i>Canadian Forest Service - Great Lakes Forestry Centre</i></p>
4:10	<p>Canadian Plant Health Information System – Advancing Information Sharing and Analytics  <i>Olive Roberts, Science Specialist</i>  <i>Joseph Stinziano, Science Analyst</i>  <i>Canadian Food Inspection Agency</i></p>
4:30	Forum Supporter Spotlight: Belchim Crop Management
4:40	End of Day Two

# Day Three: Thursday, November 30

8:00 **Forest Pest Working Group Meeting (closed session)**

NOTE Lunch on your own

## Forest Pest Management Forum (continued)

### Session 6: Indigenous Perspectives on Forest Health Management

*Moderator: Laurie Saulnier, Canadian Forest Service*

12:00 Working with Exotic Invasive Insects with Netukulimk in Nova Scotia  
Mi'kma'ki  
*Sherilyn Young, Consultation Project Support Officer*  
*Mi'kmaq Rights Initiative*

12:30 Forum Supporter Spotlight: Lallemand Plant Care

### Session 7: Science and Technology

*Moderator: Laurie Saulnier, Canadian Forest Service*

12:40 Invasive Species Training Program - Increasing Action and Awareness on Priority Pests in Canada  
*Madison Sturba, Program Development Coordinator*  
*Invasive Species Centre*

1:00 Potential Exposure and Vulnerability of the Forest Sector to the Southern Pine Beetle (*Dendroctonus frontalis*)  
*Injamam Alam, Research Scientist*  
*Canadian Forest Service - Pacific Forestry Centre*

1:20 Using the Mountain Pine Beetle System to Demonstrate the use of Genomics to Understand Risk and Resiliency of Forests  
*Catherine Cullingham, Assistant Professor, Department of Biology*  
*Carleton University*

1:40 Containment and Eradication of Spongy Moth Incursions in British Columbia: Population Genetic Inferences from 2016 - 2019  
*Gwylim Blackburn, Research Scientist*  
*Canadian Forest Service - Pacific Forestry Centre*

2:00 Health Break

2:40	Forum Supporter Spotlight: Invasive Species Centre
2:50	Detection and Classification of Insects Using AI-based Methods: The Case of Sap Beetle Vectors of Oak Wilt <i>Kishan Sambaraju, Research Scientist</i> <i>Canadian Forest Service – Laurentian Forestry Centre</i>
3:10	Fall Conditions Strongly Impact Spruce Budworm Diapause Survival <i>Amanda Roe, Research Scientist</i> <i>Canadian Forest Service – Great Lakes Forestry Centre</i>
3:30	The Emergence of Sooty Bark Disease of Maple in British Columbia <i>Joey Tanney, Research Scientist</i> <i>Canadian Forest Service – Pacific Forestry Centre</i>
3:50	Early Detection of Mountain Pine Beetle Green Attack with Drones: Preliminary Results of a Girdling-based Trial in Cynthia, Alberta <i>Guillermo Castilla, Research Scientist</i> <i>Canadian Forest Service – Northern Forestry Centre</i>
4:10	Closing Remarks
4:30	<b>End of Day Three and Forum Closing</b>