

**SERG INTERNATIONAL
2025 WORKSHOP
PROGRAM (subject to change)**



Monday, February 3

Reception

7:00-9:00 pm

Tuesday, February 4

Opening Remarks

TBA

9:00 am

Newfoundland and Labrador Session

TBA

Coffee Break

10:30 am

SERG-I Student Award Presentations

TBA

11:00 am

11:25 am

11:50 am

Lunch

12:15 pm

Mountain Pine Beetle

Improving monitoring tools to detect mountain pine beetle at low densities in novel habitats: investigating the role of fungal volatiles in beetle attraction-Field testing-Part II

Nadir Erbilgin
U. Alberta

1:15 pm

Mountain Pine Beetle in New and Changing Climates: Will the southern boreal forest and southern BC support life cycles of less than one year?

Kathy Bleiker
NRCan-PFC

1:40 pm

Niche differentiation of mountain pine beetle (MPB) in jack pine: identifying the performance of MPB, bark beetle competitors, and associated fungi in jack pine under a range of environmental conditions

Jennifer Klutsch
NRCan-NoFC

2:05 pm

Investigating the role of fungal volatile compounds emitted from antagonistic fungi on mountain pine beetle attraction at low-density populations in novel habitats

Leah Crandall
Nadir Erbilgin
U. Alberta

2:30 pm

Coffee Break

2:55 pm

Sponsors

TBD

3:25 pm

TBD

3:35 pm

Understanding endemic and emerging MPB populations to forecast risk

Jennifer Klutsch
NRCan-NoFC

Susceptibility of Regenerating Stands to Mountain Pine Beetle

Kathy Bleiker
NRCan-PFC

3:45 pm

Using genomics to identify the source population for mountain pine beetle incursion into Cypress Hills Interprovincial Park

Catherine Cullingham
Carleton U.

4:10 pm

End of Day

Wednesday, February 5		
Other		
Assessing forest vulnerability to climate-induced moisture stress and disturbance across the western boreal region	Mark Vanderwel U.Regina	9:00 am
Ground validation of aerial detection technology to determine urban forest tree health for use in municipal urban forestry programs	Richard Westwood U.Winnipeg	9:25 am
The use of drone sensors and other remotely sensed data for detection and monitoring of forest pests in Atlantic Canada.	Doug Piercey NRCan-AFC	9:50 am
Coffee Break		
		10:15 am
“Metabarcoding to identify parasitoids” (working title)	Veronique Martel NRCan-LFC	10:45 am
Assessing presence of Dothistroma needle disease in SK	Tod Ramsfield NRCan-NoFC	11:10 am
Genomic detection and monitoring of the Dutch elm disease	Richard Hamelin UBC	11:35 am
Lunch		
		12:00 pm
Forest Invasive Alien Species		
Rearing, release and evaluation of exotic parasitoids for biological control of the emerald ash borer in Canada	Chris MacQuarrie NRCan-GLFC	1:15 pm
Predicting the environmental risk of chemical control of Hemlock Wooley Adelgid	Christopher Edge NRCan-AFC	1:25 pm
Developing tools to assess risk and respond to hemlock woolly adelgid in eastern Canada	Chris MacQuarrie NRCan-GLFC	1:50 pm
Feasibility assessment of classical biological control of the hemlock woolly adelgid in Nova Scotia, including post-release assessment using molecular methods	Lucas Roscoe NRCan-AFC	2:15 pm
Improving interpretation and detection of bio surveillance for the oak wilt pathogen using Lindgren traps	Sharon Reed/Cailyn Carscadden OMNR	2:40 pm
Coffee Break		
		3:05 pm
Chemical ecology of classical biological control agents of <i>Adelges tsugae</i> (Annand) (Hemiptera: Adelgidae)	Lucas Roscoe NRCan-AFC	3:35 pm
Flight behavior, degree day models, and identification of potential nitidulid beetle vectors of oak wilt along the northern range of oaks in Canada	Sharon Reed OMNR	4:00 pm
Identification of spongy moth natural enemies using a qPCR-based molecular tool: a proof-of-concept study.	Veronique Martel (Sandrine Picq) NRCan-LFC	4:25 pm
End of Sessions Today		
		4:50 pm
Banquet Dinner		
		6:30-9:30 pm

Thursday, February 6		
Eastern Spruce Budworm		
Impacts of spring temperature variability on spruce budworm performance and survival	Eric Moise NRCan-AFC	9:00 am
Uncontrolled vs-controlled Spruce Budworm (SBW) populations with increasing intensity of Btk applications: impact on natural enemies and pollinators	Christian Hébert NRCan-LFC	9:25 am
Environmental drivers of parasitoid dynamics for a major forest insect pest during a management program	Jamie Warren (Joe Bowden) NRCan-AFC	9:50 am
Coffee Break		10:15 am
Range shift of spruce budworm and black spruce mortality under climate change	Eric Moise (Deepa Pureswaran) NRCan-AFC	10:45am
Spruce Budworm Knowledge Synthesis (KS)	Barry Cooke NRCan-AFC	11:10 am
End Workshop		