

SERG-International
Hotel Le Concorde, Quebec City, Qc
2026 WORKSHOP - PROGRAM



Monday, February 2

Reception

7:00-9:00 pm

Tuesday, February 3

Opening Remarks: Province de Quebec

Louis Morneau
MRNF-QC

9:00 am

Quebec Session

Historical pest maps of Canadian forests with remote sensing

Pauline Perbet
NRCan

9:15 am

Current portrait of *Phytophthora* root rot incidence, and its associated *Phytophthora* species in Québec Christmas tree farms

Guillaume Charron
NRCan

9:40 am

Scaling up physiology-informed reflectance for high-throughput phenotyping in white spruce

Dany Croteau
U. Laval

10:05 am

Coffee Break

10:30 am

Graduate Student Awards

Shared Parasitoid Communities Influencing Forest Tent Caterpillar and Spruce Budworm Population Dynamics

Rosa Castillo
Concordia U.

11:00 am

Comparing early detection capabilities of three eDNA sampling methods for hemlock woolly adelgid (*Adelges tsugae*) on eastern hemlock (*Tsuga canadensis*)

Julia Casagrande
Algoma U.

11:25 am

Predicting the impacts of warming on mountain pine beetle's lifecycle with climate change

Bennett Wardman
UBC

11:50 am

Lunch

12:15 pm

Mountain Pine Beetle

The effect of mountain pine beetle (*Dendroctonus ponderosae*) disturbance on abundance and diversity of ground-dwelling arthropods

Maya Evenden
U. Alberta

1:15 pm

A case study of insect selection and resin duct defense in lodgepole pine trees in Alberta and British Columbia

Shiyang Violet Zhao
Jennifer Klutsch
NRCan-NoFC

1:40 pm

Mountain Pine Beetle in New and Changing Climates: Will Warm Summers Lead to Maladapted Life Cycles?

Kathy Bleiker
NRCan-PFC

2:05 pm

Susceptibility of Regenerating, Managed Pine Stands to Mountain Pine Beetle

Kathy Bleiker
NRCan-PFC

2:30 pm

Coffee Break

2:55 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
Leah Flaherty
NRCan-NoFC

3:25 pm

Understanding endemic and emerging MPB populations to forecast risk

Jennifer Klutsch
NRCan-NoFC

3:50 pm

Investigating the Role of Fungal Volatile Organic Compounds in Mountain Pine Beetle Host Location and Management

Nadir Erbilgin
U. Alberta

4:15 pm

Sponsor: Synergy Semiochemicals Corp.

Bob Setter

4:40 pm

End of Day

4:50 pm

Wednesday, February 4		
Forest Health		
Assessing forest vulnerability to climate-induced moisture stress and disturbance across the western boreal region	Asif Haider Khan Mark Vanderwel U. Regina	9:00 am
Quantifying Aspen Aboveground Biomass and Allometry in Boreal Forests Using Terrestrial Laser Scanning	Rim Maamouri U. Alberta	9:25 am
When Climate Stress Meets Insect Outbreaks: Tree Mortality in Black Spruce Forests Intensifies Under Increasing Atmospheric Dryness and Defoliation	Bijay Pandeya Annie Deslauriers UQAC	9:50 am
Coffee Break		10:15 am
Other Forest Pests		
Modelling forest tent caterpillar movement and spatial population structure	Emma Despland Concordia U.	10:45 am
Progress in Hickory Tussock Moth Pheromone Discovery	Peter Mayo NRCan-AFC	11:10 am
Is overwinter mortality in the forest tent caterpillar at the northern edge of its distribution range density-dependent, weather-dependent or both?	Emma Despland Concordia U.	11:35 am
Lunch		12:00 pm
Sponsor: Belchim Crop Protection	Michael Cunningham	1:00 pm
Spruce Budworm		
Spruce Budworm Knowledge Synthesis: the Silvicultural Hypothesis Revisited	Barry Cooke NRCan-GLFC	1:10 pm
Initial impacts of Spruce budworm on tree and soil properties: Evidence from a manipulative field experiment	Matthew Meehan NRCan-LFC	1:35 pm
Impacts of spring temperature variability on spruce budworm performance and survival	Eric Moise Joe Bowden NRCan-AFC	2:00 pm
A sample pooling approach to optimize species identification using metabarcoding: The NL spruce budworm outbreak as a test case	Martin Williams Eric Moise NRCan-AFC	2:25 pm
Coffee Break		2:50 pm
Uncontrolled vs controlled Spruce Budworm (SBW) populations with increasing intensity of <i>Btk</i> applications: impact on non-target Lepidoptera, parasitoids, SBW parasitism and beetle diversity	Nicolas Boucher Christian Hébert NRCan-LFC	3:20 pm
Allocation of carbon and nitrogen in developing foliage in three species of conifers defoliated by the spruce budworm	Rosario Guzman Marin Annie Deslauriers UQAC	3:45 pm
Monitoring		
The use of drone sensors and other remotely sensed data for detection and monitoring of forest pests	Andrew Penney Doug Piercy NRCan-AFC	4:10 pm
Genomic detection and monitoring of the Dutch elm disease	Richard Hamelin UBC	4:35 pm
Sponsor: Valent Biosciences Corp.	Maria Gonzalez	5:00 pm
End of Sessions Today		5:10 pm

Banquet Dinner Featuring the First Annual Bob Mickle Presentation Dr. Jacques Regniere		6:30-9:30 pm
Thursday, February 5		
Forest Invasive Alien Species		
Chemical ecology of classical biological control agents of <i>Adelges tsugae</i> (Annand) (Hemiptera: Adelgidae)	Lucas Roscoe NRCan-AFC	9:00 am
Feasibility assessment of classical biological control of the hemlock woolly adelgid in Nova Scotia, including post-release assessment using molecular methods	Martin Williams Lucas Roscoe NRCan-AFC	9:25 am
Coffee Break		9:50 am
Developing tools to assess risk and respond to hemlock woolly adelgid in eastern Canada	Chris MacQuarrie NRCan-GLFC	10:20 am
Development of Emerald Ash borer in Winnipeg's Urban Forest	Richard Westwood U. Winnipeg	10:45 am
End Workshop		11:10 am