

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



**Monday, February 2**

**Reception**

7:00-9:00 pm

**Tuesday, February 3**

<b>Opening Remarks:</b> Province de Quebec	Louis Morneau MRNF-QC	9:00 am
<b>Quebec Session</b>		
Historical pest maps of Canadian forests with remote sensing	Pauline Perbet NRCan	9:15 am
Current portrait of <i>Phytophthora</i> root rot incidence, and its associated <i>Phytophthora</i> 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
<b>Coffee Break</b>		10:30 am
<b>Graduate Student Awards</b>		
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 ( <i>Adelges tsugae</i> ) on eastern hemlock ( <i>Tsuga canadensis</i> )	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
<b>Lunch</b>		12:15 pm
<b>Mountain Pine Beetle</b>		
The effect of mountain pine beetle ( <i>Dendroctonus ponderosae</i> ) 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
<b>Coffee Break</b>		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
<b>End of Day</b>		4:50 pm

Wednesday, February 4		
<b>Forest Health</b>		
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
<b>Coffee Break</b>		10:15 am
<b>Other Forest Pests</b>		
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
<b>Lunch</b>		12:00 pm
Sponsor: Belchim Crop Protection	Michael Cunningham	1:00 pm
<b>Spruce Budworm</b>		
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
<b>Coffee Break</b>		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
<b>Monitoring</b>		
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
<b>End of Sessions Today</b>		5:10 pm

<p style="text-align: center;"><b>Banquet Dinner</b>  <b>Featuring the First Annual Bob Mickle Presentation</b>  Dr. Jacques Regniere</p>		6:30-9:30 pm
<b>Thursday, February 5</b>		
<b>Forest Invasive Alien Species</b>		
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
<b>Coffee Break</b>		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
<b>End Workshop</b>		11:10 am