



**Monday, June 19**

08h00 - 17h00      Registration                                      **Lister Center upstairs hallway**  
 08h30 - 19h00      Poster viewing    **Wild Rose Room**

<b>Opening Session</b>		<b>Maple Leaf Room</b>
08h30 - 08h45	name?	Conference opening, welcome
08h45 - 09h15	John Stadt	Alberta's forests
09h15 - 10h00	Plenary - Stephen Murphy	Anticipation Ecology: Determining When and How to Initiate Forest Restoration and Reclamation

10h00 - 10h15      **BREAK**

<b>Special Session: Linear disturbances in boreal forests and peatlands</b>		<b>Maple Leaf Room</b>
10h15 - 10h30	G Castilla	Introduction
10h30 - 10h45	A Dabros, HEJ Hammond, B Pinno, D Langor	Edge effects of low impact seismic lines on upland forest plant communities in northern Alberta
10h45 - 11h00	SE Nielsen, A Filicetti, CK van Rensen, T Vinge, VJ Lieffers	Patterns in seismic line vegetation recovery and landscape restoration planning in Alberta's oil sands
11h00 - 11h15	E Bayne, S Wilson, H Lankau, J Tigner, J Gregoire	Wildlife response to energy sector recovery: The importance of sampling methodology
11h15 - 11h30	GJ McDermid, S Chen, C Feduck, MF Wu, J Hird, T Tan, SE Nielsen, J Linke, G Castilla	The role of UAVs in linear disturbance restoration and monitoring, contributions from the BERA project
11h30 - 11h45	M Strack, S Saraswati, M Brummell, B Xu	Impact of access roads on peatland greenhouse gas exchange
11h45 - 12h00		Discussion

<b>Special Session: Adapting forest management to climate change: the state of the science and applications</b>		<b>Aurora Room</b>
10h15 - 10h30	J Edwards	A pan-Canadian approach for adapting sustainable forest management to a changing climate
10h30 - 10h45	M Johnston	Integrating climate change adaptation into forest management in the Canadian forest sector: The state of play
10h45 - 11h00	S Andrews-Key, CP Laroque, M Johnston	Vulnerability and adaptation to climate change in sustainable forest management and the forest industry in Saskatchewan
11h00 - 11h15	DL Peterson, JE Halofsky	Real-world forest adaptation: Moving from information to implementation in the western United States

11h15 - 11h30	C Swanston	Real-world forest adaptation: Tools, examples, and lessons from the Northwoods
11h30 - 12h00		Discussion

<b>Natural disturbance - contributed talks</b>		<b>Prairie Room</b>
10h15 - 10h30	S Cumming, N Bokenge	Estimating the collapse rate of boreal aspen stands
10h30 - 10h45	C Stockdale, E Macdonald, M Flannigan	A century of landscape change in the southern Rocky Mountains and Foothills of Alberta
10h45 - 11h00	C Stockdale, N Mcloughlin, M Flannigan, E Macdonald	Using historic landscape vegetation structure for ecological restoration: effects on burn probability in the Bob Cree
11h00 - 11h15	D Peterson	Restoration treatment effects on wildfire severity and post-fire vegetation recovery
11h15 - 11h30	S Das Gupta, RC Errington, BD Pinno	Fire severity affects the spatial patterns of jack pine forests in nutrient poor boreal ecosystems
11h30 - 11h45	AJ Larson, RT Belote	Forest structure and fuel loads following single and repeat fires in mixed-conifer forest

<b>Wildlife - contributed talks</b>		<b>Glacier room</b>
10h15 - 10h30	TA Larsen, SE Nielsen, GB Stenhouse	Nutritional ecology of grizzly bears in a multiple-use landscape and its effects on density, survival, and recovery
10h30 - 10h45	QE Barber, E Whitman, DT Price, M-A Parisien	Caribou habitat degradation under changing climate and fire regimes in northern Alberta
10h45 - 11h00	A Saxena, R Serrouya, M Donnelly	A unique industry collaboration to recover threatened caribou habitat in the boreal forest
11h00 - 11h15	DEB Reid, N Buda, A Rodgers, J Shuter, T Avgar, GS Brown, J Hagens, SG Newmaster, B Patterson, ID Thompson, JM Fryxell	Managed stands providing woodland caribou habitat in northwestern Ontario; Stand characteristics and landscape context
11h15 - 11h30	G Sherman, M Cody	Changes in utilization and travel along linear features by woodland caribou, moose and two predators following mechanical site preparation
11h30 - 11h45	RJ Belanger, LN Carbyn, MA Edwards, SE Nielsen	Where do the wood bison roam? Habitat selection of the Ronald Lake herd
11h45 - 12h00	BR Nobert, TA Larsen, KE Pigeon, GB Stenhouse, L Finnegan	The Impact of mountain pine beetle and mountain pine beetle management on caribou and grizzly bear food supply

12h00 13h00 **LUNCH**

<b>Special Session: Post-harvest resilience, ecosystem memory and management of biological legacies</b>		<b>Maple Leaf Room</b>
13h00 - 13h30	JF Franklin	Ecosystem continuity: the critical role of biological legacies in nature and in management
13h30 - 13h45	C Bergeron, J Pinzon, J Spence	Variable retention harvesting, biological legacies and ecosystem memory in relation to improving forest resilience
13h45 - 14h00	G Whitmore	Implementation of ecosystem-based management for the maintenance of forest resilience and ecosystem memory
14h00 - 14h15	M Bouchard	Provincial forest management, a landscape approach to

		management of biological legacies
14h15 - 14h30	M Koivula	Applying principles of ecosystem memory to restore resilience in heavily managed forests of Fennoscandia
14h30 - 15h00		Discussion

<b>Soils &amp; plants - Contributed talks</b>		<b>Aurora Room</b>
14h00 - 14h15	B Gendreau-Berthiaume, C Messier, IT Handa	How do different forest management strategies influence soil microbial communities and do they persist over time?
14h15 - 14h30	B. Muñoz, L Kenefic, A Weiskittel, I Fernandez	Quantifying northern mixedwood soil nutrient availability 50 years following biomass harvesting
14h30 - 14h45	TJ Philpott, JS Barker, CE Prescott, SJ Grayston	Limited legacy of variable retention harvesting on fungal communities decomposing fine-roots in coastal temperate rainforests
14h45 - 15h00	JP Battigelli, SM Berch	20 years later: Evaluating the recovery of soil mesofauna on the long-term soil productivity sites in the sub-boreal spruce zone

<b>Dendrochronology - Contributed talks</b>		<b>Prairie Room</b>
14h00 - 14h15	CA Copenheaver, M Pulice	Dendroarchaeology reveals influence of early-European settlement on forest disturbance regimes in Virginia
14h15 - 14h30	S Fraver, AW D'Amato, M Reinikainen, K Gill, BJ Palik	Stand dynamics and structure of old-growth black ash stands in northern Minnesota, USA
14h30 - 14h45	EH Hogg, M Michaelian, T Hook, M Underschultz	Recent decline of white spruce growth in drought-affected areas of western Canada
14h45 - 15h00	DW Peterson	Climate-growth relationships in Pacific Northwest conifers: accounting for variability within stands and across environmental gradients

<b>Wildlife - contributed talks</b>		<b>Glacier Room</b>
14:00-14:15	F Riva, JH Acorn, SE Nielsen	Cranberry blue butterfly: habitat use and response to in situ oil sands developments in the Alberta boreal ecoregion
14:15-14:30	L Leston, E Bayne, F Schmiegelow, E Dzus	Twenty-four years of birds: long-term effects of forest fragmentation and recovery on boreal bird communities

15h00 - 15h15 **BREAK**

15h15 - 16h15	<b>IGNITE Talks</b>	<b>Maple Leaf Room</b>
16h15 - 19h00	<b>Poster viewing/reception</b>	<b>Wild Rose Room</b>
19h00 - 21h00	<b>Business mtgs</b> Poplar & Willow Council of Canada: AGM	<b>Aurora Room</b>



**Tuesday, June 20**

08h00 - 18h00      Registration      **Lister upstairs hallway**  
 08h30 - 15h00      Poster viewing      **Wild Rose Room**

<b>Plenary</b>	<b>Maple Leaf Room</b>
09h00 - 09h45      Tony D'Amato	Silviculture in the face of future uncertainty: is the past still relevant?

09h45 - 10h00      **BREAK**

<b>Special Session: North American Aspen Transect: applied functional ecology north to south</b>	<b>Maple Leaf Room</b>
10h00 - 10h15      P Rogers, B Pinno	Applied functional ecology in quaking and trembling aspen: one size does not fit all
10h15 - 10h30      RC Errington, BD Pinno	Disturbance recovery of understory plant communities in natural and reconstructed boreal aspen stands
10h30 - 10h45      EW Bork, BD Irving	The evolution of grazing management within central Alberta's aspen forests
10h45 - 11h00      S Chhin, GG Wang	Climate change and weather impacts on aspen forest communities in the parkland and prairie region of southern Manitoba
11h00 - 11h15      DJ Shinneman, SK McIlroy	Aspen stability and regeneration dynamics in isolated mountain ranges of the Great Basin, USA
11h15 - 11h30      K Waring, J Ouzts, M Nabel, L Arciniega, R Baierlein	Managing aspen in the US Southwest: developing resilience through regeneration
11h30 - 12h00	Discussion

<b>Special Session: The Changing Face of the Northern Forest: The Ongoing Legacy of Beech Bark Disease</b>	<b>Aurora Room</b>
10h00 - 10h15      JA Cale	Pathosystems, spread, and temporal stages of beech bark disease in North American forests
10h15 - 10h30      RS Morin, S Fei, AM Liebhold, CM Oswalt	Beech scale advance and regional forest dynamics in the northern forest
10h30 - 10h45      M Kasson, B Burke, A Metheny, J Garnas	A tale of two <i>Neonectria</i> : Dynamics of <i>N. ditissima</i> and <i>N. faginata</i> in the aftermath forests on the Monongahela National Forest, West Virginia, USA
10h45 - 11h00      MT Garrison-Johnston, JA Cale, SA Teale, JD Castello	Nutritional physiology influences host tree susceptibility to BBD
11h00 - 11h15      R Wilson	Beech bark disease in Canada: current impacts, outlook and management efforts
11h15 - 11h30      MT Garrison-Johnston, JA Cale	Planning for the future with beech bark disease: A

	synthesis of research gaps and management questions
11h30 - 12h00	Discussion

<b>Carbon &amp; Nutrients - Contributed talks</b>		<b>Prairie Room</b>
10h00 - 10h15	M Aquino, A Velazquez, M Acosta, J Etchevers	Carbon concentration variability in three tropical tree species of the Sierra Madre del Sur of Oaxaca, Mexico
10h15 - 10h30	RL Cabuy, S Chhin, C Mbow, D Skole	Allometric relationships to determine age in tropical forests: Towards improved estimates of annual rates of carbon sequestration
10h30 - 10h45	D Scott, R Bradley, JP Bellenger, K Rousk, M Gundale, T DeLuca	Shifts in the nutrient limitations of tree growth and N fixation along steep atmospheric N deposition gradients in Norway spruce
10h45 - 11h00	S Saraswati, C Parsons, M Strack	Can access roads impact carbon dynamics of boreal forested peatlands by altering enzyme activities?
11h00 - 11h15	C Dymond, S Beukema, C Nitschke, KD Coates, R Scheller	Carbon sequestration in managed temperate coniferous forests under climate change
11h15 - 11h30	A Teets, S Fraver, D Hollinger, R Seymour, A Weiskittel, A Richardson	Linking forest carbon sequestration with annual CO <sub>2</sub> flux
11h30 - 11h45	PD Sewell, S Quideau, M Dyck	Topographic controls on soil respiration in the boreal forest
11h45 - 12h00	E Chaste, M Girardin, JO Kaplan, J Portier, Y Bergeron, C Haly	Simulated forest dynamics in eastern boreal Canada from 1901 to 2012 using the LPJ-LM fire dynamic global vegetation model

<b>Reclamation &amp; Restoration - contributed talks</b>		<b>Glacier Room</b>
10h00 - 10h15	ACS McIntosh, A Janz, D Farr	Life after reclamation: Quantifying ecological recovery of wellsites in Alberta's forested lands
10h15 - 10h30	L deBortoli, E Li, B Pinno, MD MacKenzie	Plant community composition and aspen establishment in response to seeding and weeding treatments on different reclamation soils
10h30 - 10h45	ST Dietrich, MD MacKenzie, JP Battigelli, J Enterina	Building a better reclamation soil: Admixing peat, subsoil and biochar following surface mining in northern Alberta
10h45 - 11h00	E Valek, S Landhäusser	Challenges of utilizing municipal compost as an amendment in boreal forest reclamation on nutrient poor sites
11h00 - 11h15	P Tremblay, BD Pinno, E Thiffault	Effects of land reclamation treatments on the establishment and productivity of trees on a reclaimed oil sands mining site
11h15 - 11h30	M Merlin, F Leishman, R Errington, S Landhäusser, B Pinno	Drivers affecting tree performance on upland areas of a reconstructed watershed
11h30 - 11h45	A Howe, S Landhäusser, O Burney, K Mock	A seedling-based approach to aspen restoration in the western USA
11h45 - 12h00	C Jones, S Bachmann, V Lieffers, S Landhäusser	Rapid aspen and understory plant recovery following forest floor protection on temporary drilling pads

12h00 13h00 **LUNCH**

<b>Special Session: Quantifying forest complexity and integrating data into management</b>		<b>Maple Leaf Room</b>
13h00 - 13h15	CR Webster, YL Dickinson, C C Kern	Silviculture through the lens of forest complexity
13h15 - 13h30	WS Keeton	Experimentally testing silvicultural strategies that promote stand structural complexity in northern hardwood forests
13h30 - 13h45	Jl Burton	The rest of the story: measuring and managing complexity in understory plant communities
13h45 - 14h00	BS Hardiman, MR Saunders, JW Atkins, CM Gough, RT Fahey	Applying emerging technologies to applied forest ecology and forest management planning
14h00 - 14h15	RT Fahey, JW Atkins, BS Hardiman, CM Gough	Quantifying forest structural complexity: approaches, metrics, and a conceptual framework
14h15 - 15h00		Discussion

<b>Special Session: Establishing ecological impacts and thresholds for harvesting of woody bioenergy</b>		<b>Aurora Room</b>
13h00 - 13h15	L Venier, T Work, J Klimaszewski, D Morris, J Bowden, M Kwiaton, K Webster, P Hazlett, N Basiliko, E Smenderovac, I Laigle, I Aubin, L Rousseau, D Gravel	Biodiversity response to biomass harvesting; the Island Lake Biomass Harvest Experiment
13h15 - 13h30	T Work, L Venier, S Harrisson, A Brodeur	There are limited impacts of the full-tree harvest on colonization and emergence dynamics of saproxylic beetles in residual stumps
13h30 - 13h45	J Rudolphi, J Strengbom	No support for long-term effects of commercial tree-stump harvest on understory vegetation
13h45 - 14h00	L Rousseau, L Venier, T Handa	Long-term responses of soil mesofauna communities to woody debris biomass harvesting in an eastern Canadian boreal forest
14h00 - 14h15	A Hof, J Hjältén, T Work, J Rudolphi, J-M Roberge, T Johansson	Simulating the impact of bioenergy extraction on habitat suitability for species on a landscape scale
14h15 - 14h30	J Hoage, L Roussaeu, T Porter, L Venier, N Basiliko, M Hajibabaei	Developing a metabarcoding strategy for soil mesofauna to monitor the ecological impacts of intensified biomass harvesting in forestry
14h30 - 14h45	J Hjältén, T Work, J Andersson, T Ranius, F Stenbacka, H Ekvall	Bioenergy extraction and saproxylic biodiversity: strategies and thresholds for stump harvesting
14h45 - 15h00	C Boué, T Work, L Venier, S Kembel	Impacts of full-tree harvesting on fungal composition in jack pine stands in Eastern, Ontario Canada

<b>Silviculture - contributed talks</b>		<b>Prairie Room</b>
13h00 - 13h15	T Jones, J Fera	Biomass harvesting in the Great Lakes - St. Lawrence Forest: sustainability of increasing utilization in shelterwood harvests
13h15 - 13h30	C Robles, A Velazquez, V Reyes, D Rodriguez, J Etchevers, H de los Santos	Effects of fire on basal area relative increment of <i>Pinus hartwegii</i> Lindl. in the Izta-Popo National Park, Mexico
13h30 - 13h45	JS Crotteau, CR Keyes	Stand dynamics 11 years after retention harvests in Rocky Mountain lodgepole pine
13h45 - 14h00	V Lieffers, D Sidders, T Keddy, P Blenis	Fifteen year growth of planted spruce in variable retention mixedwoods: site preparation and stand composition

14h00 - 14h15	JP Brown, M Thomas-Van Gundy, TM Schuler	Overstory cohort survival in an Appalachian hardwood deferment cutting: 35 year results
14h15 - 14h30	K Hossain, P Comeau	Characterizing light across a strip-cut shelterwood in mixed conifer forest of ICH
14h30 - 14h45	NS Rogers, AW D'Amato, R Nyland, L Kenefic, M Twery	Long-term regeneration dynamics in northern hardwood forests of the northeast United States
14h45 - 15h00	R Soolanayakanahally, R Gares, W Schroeder	Genetic improvement of larch for Canadian Prairies

<b>Reclamation &amp; Restoration - contributed talks</b>		<b>Glacier Room</b>
13h00 - 13h15	P Pokharel, WJ Choi, GM Jamro, SX Chang	Growth, N retranslocation, N uptake and foliar <sup>13</sup> C in white spruce seedlings in response to nursery fertilization and field weed control
13h15 - 13h30	J Iqbal	Development of the Restoration Roughness Index (RRI) as a standardized measure of restoration
13h30 - 13h45	S Bockstette, B Pinno, M Dyck, S Landhäusser	Restricted rooting space in mine reforestation
13h45 - 14h00	N Scott, J Karst, S Landhäusser, G Pec	Does stand composition impact ectomycorrhizal community composition and species richness on an oil sands reclamation site?
14h00 - 14h15	SS Kanekar, JA Cale, J Klutsch, N Ukrainetz, N Berger, A Cheniveerappan, N Erbilgin	The role of mycorrhizal fungi in constitutive and induced defenses of lodgepole pine
14h15 - 14h30	M Yarmuch	South Bison Hill Research Watershed: Science-based guidance on the appropriate soil capping thickness for reclamation of Clearwater overburden
14h30 - 14h45	M Yarmuch	South Bison Hill Research Watershed: Science-based guidance on the appropriate soil capping thickness for reclamation of Clearwater overburden
14h45 - 15h00	C Farnden	Influences on tree growth of soil capping material over deep deposit tailings sand

15h00 - 15h15 **BREAK**

<b>Special Session: Beyond twitter and blogs: Communicating science to your core audience</b>		<b>Maple Leaf Room</b>
15h15 - 15h30	M Pyper	Using drones and dialogue to inform new approaches to resource management
15h30 - 15h45	K Illerbrun	Cultivating receptivity: Creating engagement through citizen science and outreach at the ABMI
15h45 - 16h00	M Proulx	Re-writing the way Universities share science with the public by shifting away from traditional approaches
16h00 - 16h15	B Palik, A D'Amato	Operational-scale experiments: connecting scientists with managers using real world forestry
16h15 - 16h45		Discussion

<b>Special Session: Managing Riparian areas and Wetlands in an Integrated Approach to Forest Ecosystem Management</b>		<b>Aurora Room</b>
15h15 - 15h30	M Darveau	Wetlands and riparian zones 101: definitions,

		delineation, and implications for ecosystem-based management
15h30 - 15h45	KJ Devito, JL Morissette	Generalizing riparian hydrologic function in a heterogeneous landscape, Western Boreal Plain, Alberta, Canada
15h45 - 16h00	D Farina, M Darveau	Do landform and topography affect the degree of overlapping between wetlands and riparian zones? A study in eastern Canada
16h00 - 16h15	DJH Sleep, B Gingras	Regulatory and voluntary best-management practices for wetlands and riparian zones in boreal commercial forests: synthesis and gaps
16h15 - 16h30	M Donnelly	Planning and operational approaches to the conservation and management of wetland and riparian areas in the Boreal Plains: the AI-Pac experience
16h45 - 17h00	M-E Sigouin, D Bazely, G McCartney, C McDonell	Wetland and aquatic conservation and management practice in the Boreal Shield: the Tembec experience
17h00-17h15		Discussion

<b>Silviculture - contributed talks</b>		<b>Prairie Room</b>
15h15 - 15h30	B Frey	Stand structure and regeneration of American beech at its southern range margin
15h30 - 15h45	JP Parra-Piedra, HM De Los Santos-Posadas, AM Fierros-Gonzalez, JR Valdez-Lazalde, JL Romo-Lozano	Growth and financial assessment for plantations of <i>Pinus patula</i> Schiede. ex Schlttdl. et Cham. at Zacualpan, Veracruz, Mexico
15h45 - 16h00	R Fierros-Mateo, HM De los Santos-Posadas, AM Fierros-Gonzalez, F Cruz-Cobos	Growth and yield of fast-growing plantations of <i>Pinus chapiensis</i> (Martinez) Andresen at Tlatlauquitepec, Puebla, Mexico
16h00 - 16h15	F Cortini, PG Comeau, V Strimbu, M Bokalo, EH Hogg, S Huang	Survival functions for nine western boreal and northern montane tree species
16h15 - 16h30	FO Oboite, PG Comeau	Release response of black spruce and white spruce due to overstory lodgepole pine mortality following mountain pine beetle attack
16h30 - 16h45	D Kweon, P Comeau	The maximum size-density relationship for trembling aspen
16h45 - 17h00	P Comeau, M Bokalo	Development and dynamics of young aspen-spruce mixedwood stands in western Canadian Boreal Forests

<b>Natural disturbance - contributed talks</b>		<b>Glacier Room</b>
15h15 - 15h30	PJ Burton	Constraints, Filters and Contingencies in Forest Recovery After Disturbance
15h30 - 15h45	J Kleinman, S Ford, J Hart	Catastrophic wind and salvage harvesting effects on woodland communities
15h45 - 16h00	J Hart, L Cox	Incorporating intermediate-severity disturbances in oak stand development
16h00 - 16h15	E Fien, S Fraver, A Teets, D Hollinger	Factors influencing tree mortality risk in a late-successional conifer forest in central Maine, USA
16h15 - 16h30	J Klutsch, A Najjar, N Erbilgin	Native pathogen-induced changes in jack pine have cascading effects on the invasive mountain

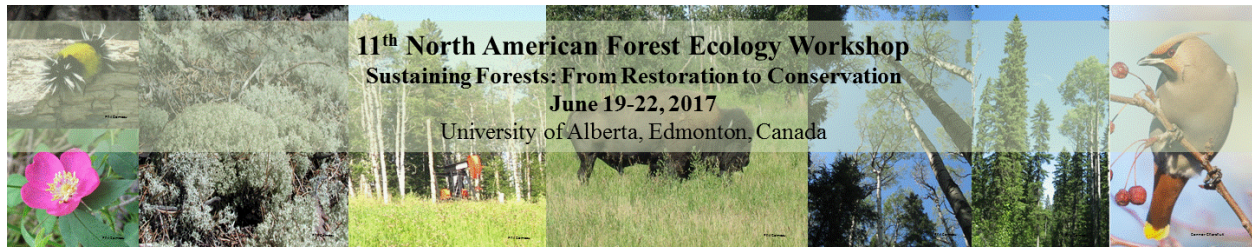


		pine beetle and its interactions with resource-sharing insects
16h30 - 16h45	E Macdonald, L Schroeder, J Steinke, V Lieffers	Beyond beetle: Natural regeneration after Mountain Pine Beetle outbreaks in Alberta

17h30 - 18h30      Reception      University of Alberta Faculty Club  
18h30 - 20h00      Banquet  
20h00 - 23h00      Entertainment

**Wednesday, June 21 – Field Trips**

Field trips will leave from Lister Centre between 7:30 and 8:30 am and return by 4:30 – 7 pm. Lunches will be provided for all registered participants.



**Thursday, June 22**

08h00 - 18h00      Registration      **Lister upstairs hallway**

<b>Plenary</b>	<b>Maple Leaf Room</b>
09h00 - 09h45      Sally Aitken	If we plant, what should we plant? Matching seed sources to new climates

09h45 - 10h00      **BREAK**

<b>Special Session: Assisted Migration in Practice: Ecological Risks and Benefits</b>	<b>Maple Leaf Room</b>
10h00 - 10h30      J Pedlar, D McKenney	An Overview of assisted migration in forestry
10h30 - 10h45      AW D'Amato, B Palik, C Looney, R Slesak, M Slater	Black ash, emerald ash borer, and climate change: assisting the replacement of a foundational species
10h45 - 11h00      B Palik, A D'Amato, L Nagel, J Muller	Transitioning red pine forests to a warmer, drier future: assisting the replacement of an iconic forest type
11h00 - 11h15      A Hamann	Assisted migration in reforestation: risk of action versus risk of status quo management
11h15 - 11h30      C Messier	Realities and possibilities: what science tells us about the potential of assisted migration
11h30 - 12h00	Discussion

<b>Special Session: Seeing the forest through the understory: promoting and maintaining diversity in contemporary hardwood forests</b>	<b>Aurora Room</b>
10h00 - 10h15      JI Burton	Does gap-based silviculture accelerate the development of old-growth characteristics?
10h15 - 10h30      LE Frelich	Conservation strategies for native forest plant communities affected by invasive earthworms, deer, and fragmentation
10h30 - 10h45      MA Jenkins, LH Keitzer, CR Webster	Understory response to 17 years of controlled deer hunting in Indiana state parks
10h45 - 11h00      S Greenler	Spatial variation in regeneration in small shelterwood gaps and surrounding forest matrix in the Central Hardwood Region
11h00 - 11h15      MB Walters, JL Willis, EJ Farinosi, JP Hartman	Low tree regeneration diversity: Can the legacies of forest and deer management practices be overcome with new management approaches
11h15 - 11h30      JL Willis, MB Walters	Seedling recruitment dynamics on decaying coarse woody debris
11h30 - 12h00	Discussion

<b>Plant community ecology - Contributed talks</b>		<b>Prairie room</b>
10h00 - 10h15	M Ross, M Carrington, S Subedi	Spatiotemporal and functional approaches clarify the successional trajectory of a dry tropical forest
10h15 - 10h30	JP Sah, MS Ross, LG Pearlstine, PL Ruiz	Spatio-temporal pattern in plant communities along hydrology gradient in Everglades Tree Islands
10h30 - 10h45	EB Lilles, A Dhar, KD Coates	Retention level affects dynamics of understory plant community recovery in north-temperate coniferous forests
10h45 - 11h00	K Chapman, K Baldwin	The development of boreal forest Associations for the Canadian National Vegetation Classification (CNVC)
11h00 - 11h15	CMA Franklin, SE Macdonald, SE Nielsen	Effects of prescribed burns and partial harvesting on understory vegetation in boreal mixedwood forests
11h15 - 11h30	R Montgomery, K Rice, D Kastendick, B Palik	Effects of elevated CO <sub>2</sub> and temperature on peatland community composition and structure
11h30 - 11h45	J Caspersen, N Zimmerman, A Rigling, E Thuerig	Complementarity of gymnosperms and angiosperms: disentangling the effects of phenology, leaf morphology, and temperature
11h45 - 12h00	J Steinke, E Macdonald, A McIntosh, L Schroeder	Effects of mountain pine beetle attacks on understory vegetation in lodgepole pine forests in Western Alberta

<b>Conservation - contributed talks</b>		<b>Glacier room</b>
10h00 - 10h15	L Cole, M Newton, J Bailey, M Powers	Overstory and understory responses after thinning in 50-year-old Douglas-fir and Douglas-fir/western hemlock stands in Oregon
10h15 - 10h30	M Kwiaton	Examining effects of disturbance type and intensity on deadwood dynamics in jack pine dominated stands: a FVS-DbD modelling exercise
10h30 - 10h45	KM Potter, BS Crane, WH Hargrove	Project CAPTURE: A U.S. national prioritization framework for tree species threatened by climate change and other threats
10h45 - 11h00	C Chisholm, C Elkin	Examining Biodiversity in Old Forest and Old Growth Forest Stand Structures Using Aerial Laser Scanning
11h00 - 11h15	K Harper, C Staicer, L Gray, A Westwood	Biodiversity and ecosystem functioning of forested wetlands across Atlantic Canada
11h15 - 11h30	ZG MacDonald, I Anderson, JH Acorn, SE Nielsen	Using butterfly assemblages on lake islands to assess applications of insular biogeography to the conservation of terrestrial biodiversity
11h30 - 11h45	I Phoebus, G Segelbacher, GB Stenhouse	Do large carnivores use riparian zones? Ecological implications for forest management
11h45 - 12h00		

12h00 - 13h00 **LUNCH**

<b>Special session: Effects of reclamation practices on ecosystem succession after oil-sands mining in boreal Alberta</b>		<b>Maple Leaf Room</b>
13h00 - 13h15	MD MacKenzie, J Hogberg, S Dietrich, J Battigelli	Can reclamation of above and belowground processes be measured with a functional similarity index?
13h15 - 13h30	D MacKenzie, MA Naeth	Surface soil handling and storage impacts on plant propagules and establishment of native plant communities
13h30 - 13h45	SM Landhäuser, E Macdonald, VJ Lieffers	Drivers of spatial and temporal patterns in vegetation during spontaneous early colonization of boreal reclamation sites
13h45 - 14h00	BD Pinno, S Das Gupta	Coarse woody debris applications in oil sands reclamation impact plant community and soil properties
14h00 - 14h15	J Karst, G Pec, S Hupperts, N Scott, S Landhäuser	Establishment of ectomycorrhizal fungal communities following reclamation
14h15 - 14h30	A Dhar, P G Comeau, R Vassov	Ecosystem assembly ideas and their application in oil sands reclamation
14h30 - 15h00		Discussion

<b>Invasive Species - Contributed Talks</b>		<b>Aurora Room</b>
13h00 - 13h15	JA Cale, M Muskens, A Najar, G Ishangulyyeva, A Hussain, SS Kanekar, J Klutsch, S Taft, N Erbilgin	Rapid monoterpene induction promotes the susceptibility of jack pine to mountain pine beetle colonization but not to beetle-vectored fungi
13h15 - 13h30	BV Iannone III, KM Potter, K-A Dixon Hamil, W Huang, H Zhang, Q Guo, CM Oswalt, CW Woodall, S Fei	Evidence of biotic resistance to nonnative invasions in eastern U.S. Forests: A macroscale study
13h30 - 13h45	GS Frank, MR Saunders, MA Jenkins	Understory response to invasive shrub removal techniques in hardwood forests

<b>Climate change - contributed talks</b>		<b>Prairie Room</b>
13h00 - 13h15	M Abrams	Mesophication and drought vulnerability in eastern forests
13h15 - 13h30	S Andrews-Key, C Laroque, M Johnston	Vulnerability and adaptation to climate change in sustainable forest management and the forest industry in Saskatchewan
13h30 - 13h45	MM Tucker, DM Kashian	Can the arrangement of pine barrens mediate the spread of wildfires under various climate scenarios?
13h45 - 14h00	D Montwé, M Isaac-Renton, A Hamann, H Spiecker	Frost imprints in tree-rings to assess cold adaptation in <i>Pinus contorta</i>
14h00 - 14h15	AR Hof, CC Dymond, DJ Mladenoff	Effects of intentional alteration of tree species composition on forest carbon pools in the face of climate change
14h15 - 14h30	A Dawson, L D'Orangeville, M Itter	Effects of stand dynamics on resistance to climate anomalies and disturbance in the Canadian boreal forest
14h30 - 14h45	JR Foster, AW D'Amato	Forecasting migration rates of montane species under climate change with a spatially dynamic vegetation model

14h45 - 15h00	A Gómez-Guerrero, WR Horwath, L Silva, T Doane, A Correa-Diaz, L Castruita-Esparza, J Villanueva	Intrinsic water use efficiency of tree forest species at different sites in Mexico
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<b>Conservation - contributed talks</b>		<b>Glacier Room</b>
13h00 - 13h15	L Echiverri, E Macdonald, J Stadt, B White	The effect of harvesting on the relationship between Depth-to-Water values and understory vegetation
13h15 - 13h30	AW Schoettle	Proactively Managed Conservation Areas (PMCAs) as an approach to conserve and sustain healthy forest ecosystems
13h30 - 13h45	J Dennett, J Gould, E Macdonald, S Nielsen	Quantifying detection rates for understory vascular plant species using decoy field trials
13h45 - 14h00	SF Bartels, E Macdonald	Changes in bryophyte diversity and composition along a soil wetness gradient in managed boreal forests assessed using topographic wetness index
14h00 - 14h15	L Mao, J Dennett, CW Bater, P Tompalski, NC Coops, D Farr, M Kohler, B White, JJ Stadt, SE Nielsen	Using airborne laser scanning to predict plant species richness and assess conservation threats in the oil sands region of Alberta
14h15 - 14h30	C Elkin	Evaluating how landscape heterogeneity influences the resilience and recovery of sub-boreal forest diversity
14h30 - 14h45	S Zhao, N Erbilgin	Source or sink: functional role of residual overstory lodgepole pine ( <i>Pinus contorta</i> ) trees in post-mountain pine beetle

15h00 - 15h15 **BREAK**

<b>Closing Plenary</b>		<b>Maple Leaf Room</b>
15h15 - 16h00	Lena Gustafsson	Research and practice in forest conservation and restoration in northern Europe
16h00 - 16h30	Conference close, announcement of next conference	