



# Eastern CANUSA Forest Science Conference

October 17-18, 2008  
University of Maine  
Orono, Maine

## Thursday, October 16

[Wells Conference Center](#)

7:00-9:00 PM Ice-Breaker Social (with cash bar)  
Conference registration

## Friday, October 17

[Wells Conference Center](#)

7:00-8:00 AM Registration and continental breakfast

## GENERAL SESSION

[Wells Conference Center](#)

### Introduction

8:00-8:15 Dr. Bob Wagner, *University of Maine* (Moderator)

### Keynote presentations

8:15-8:55 Climate Change and the Potential Impact on Northeastern Forest  
8:55-9:05 Q&A Ecosystems  
*George L. Jacobson, University of Maine, Climate Change Institute, Orono, ME*

9:05-9:45 Modeling Forest Productivity in a Changing Climate: Uncertainties and  
9:45-9:55 Q&A Challenges  
*Guy R. LaRocque, Canadian Forest Service, Sainte-Foy, Quebec*

9:55-10:20 **BREAK**

10:20-11:00 Carbon Markets and Opportunities for the Acadian Forest  
11:00-11:10 Q&A  
*Matt Smith, FORECON, Falconer, NY*

11:10-11:50 Bioenergy Futures and the Role of the Acadian Forest  
11:50-12:00 Q&A  
*Eric W. Kingsley, Innovative Natural Resource Solutions, Portland, ME*

## 12:00-1:30 LUNCH & POSTER SESSION

[Wells Conference Center](#)

Participants will join poster authors in a "walk-around" lunch to view and discuss a wide array of poster presentations.

We currently have **over 35 posters** registered!



**Friday, October 17, continued**

**Concurrent Sessions**

	<b>SESSION 1</b> Location: Meeting Room 1	<b>SESSION 2</b> Location: Meeting Room 2	<b>SESSION 3</b> Location: Meeting Room 3
<b>1:30-3:10 pm</b>	<b>Wood Products &amp; Forest Operations/Engineering</b> <i>Moderator: Jeff Benjamin</i>	<b>Silviculture &amp; Forest Production</b> <i>Moderator: Bob Seymour</i>	<b>Forest Ecology</b> <i>Moderator: Andy Whitman</i>
1:30 - 1:50	Back to the future: the new wooden urban village <i>James S. Peters</i>	New findings from an 80-year-old northern hardwood silviculture study <i>Laura S. Kenefic and Christel C. Kern</i>	Responses of herbaceous layer over nine years following different harvesting disturbance <i>Takamitsu Mamashita and Mark R. Roberts</i>
1:50 - 2:10	Inventory patterns and critical factors affecting pulpwood inventory levels in the northeastern United States <i>Bob Rice and Kevin M. Todd</i>	Value of hardwood stands after selection cutting using positive and negative tree marking <i>Papa Déthié Ndione, Martin Béland and Edwin Swift</i>	Relationships between non-native invasive plant distribution, silvicultural treatment, and soil drainage in the northern conifer forest <i>Elizabeth Bryce, Laura Kenefic, John Brissette, Alison Dibble and William Livingston</i>
2:10 - 2:30	Finding and removing barriers to sustainable harvest and primary processing of Massachusetts native woods <i>David T Damery, Lava Yadav and Yuxi Zhao</i>	Natural regeneration 15 years after various partial cuts in tolerant hardwoods in northern New Brunswick <i>Bruno Chicoine, Martin Béland and Marilou Beaudet</i>	Late-successional attributes of stands of differing silvicultural treatments in northern hardwoods and upland spruce-fir forest <i>Andrew Whitman</i>
2:30 - 2:50	Assessing disturbed soils through relative bulk density <i>Eric R. Labelle and Dr. Dirk Jaeger</i>	Improving species compositions in beech-dominated northern hardwood stands in Maine <i>Andrew S. Nelson and Robert G. Wagner</i>	Evaluation of the conservation value of post-harvest residual forest stands in the eastern balsam fir-white birch eco-region of Québec: a multi taxa approach <i>Marie-Michelle Vézina, Luc Sirois and Mathieu Côté</i>
2:50 - 3:10	Modelling the decomposition rate of surface-versus buried wood blocks and dowels, across a wide range of climate conditions in North America <i>Amanda C. Smith and Paul A. Arp</i>	Neighborhood-scale structure and growth in oak-pine species mixtures in Maine <i>Justin Waskiewicz, Laura Kenefic and Robert Seymour</i>	Spatial associations among living and standing-dead balsam fir in two central Maine mixedwood stands <i>Matthew G. Olson and Robert G. Wagner</i>
<b>3:10-3:30</b>	<b>Break (refreshments in atrium by posters)</b>		



**Friday, October 17, continued**

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	<b>SESSION 1</b> Location: Meeting Room 1	<b>SESSION 2</b> Location: Meeting Room 2	<b>SESSION 3</b> Location: Meeting Room 3
<b>3:30-5:10 pm</b>	<b>Forest Landscape Management &amp; Policy</b> <i>Moderator: Jeremy Wilson</i>	<b>Silviculture &amp; Forest Production (Continued)</b> <i>Moderator: Bob Seymour</i>	<b>Forest Ecology (Continued)</b> <i>Moderator: Andy Whitman</i>
3:30 - 3:50	Variation in snowshoe hare densities as related to Canada lynx and forest management in eastern North America  <i>William B. Krohn, Daniel J. Harrison, Shonene A. Scott, Laura L. Robinson, Christopher L. Hoving, Angela K. Fuller, and Erin M. Simons</i>	Reconstruction of the competitive dynamics of mixed-oak forests  <i>Daniel Heggenstaller, Patrick Brose, Eric Zenner and Kim Steiner</i>	Tree motion and bending stresses in response to wind  <i>Vincent A. Webb and Mark Rudnicki</i>
3:50 - 4:10	Biodiversity issues of ecosystem-based management in the Laurentian Highlands of eastern Québec  <i>Nelson Thiffault, Yan Boucher and Marc Leblanc</i>	Sustainable biomass production and nutrition in spruce-fir forests – knowns and uncertainties  <i>H. Lee Allen</i>	Effects of ageing and maturation on the reproductive development and vegetative growth of conifers  <i>Michael E. Day and Michael S. Greenwood</i>
4:10 - 4:30	Re-mapping forest soils with improved precision and resolution  <i>Mina Nasr and Paul A. Arp</i>	Improving natural regeneration of white spruce by coupling silvicultural techniques with a masting episode  <i>Alix C. Rive, David F. Greene, and Brian D. Harvey</i>	The response of bryophytes to precommercial thinning in the Acadian forest  <i>A.D. Witkowski and K.A. Frego</i>
4:30 - 4:50		Commercial thinning in pole-sized spruce-fir stands: 6-year results from the CFRU thinning study  <i>Robert S. Seymour, Robert G. Wagner and Spencer Meyer</i>	Bryophyte-substrate associations and relationships to forest management responses in the Acadian forest of southern New Brunswick  <i>Krystal A. Mathieson and Katherine A. Frego</i>
4:50 - 5:10		Long-term results from partially cut stands highlight concerns about northern white-cedar sustainability  <i>Catherine Larouche, Laura S. Kenefic, Jean-Claude Ruel, Jean-Martin Lussier</i>	Calicioid lichens and fungi of the Acadian forest region of eastern North America  <i>Steven Selva</i>



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**Friday, October 17, continued**

5:30-6:00

**Cash bar and informal poster session**

*(Atrium)*

6:00-7:00

**Dinner Banquet**

[Wells Conference Center](#)

*(Optional – Tickets Required, cash bar)*

7:00-8:00

**After Dinner Presentation:**

***“The Myth of Renewable Energy”***

**Professor Dick Hill**

*Retired Engineering Professor and radio personality*

**Saturday, October 18**

7:00-8:00 AM

Continental breakfast ([Wells Conference Center](#))





**Saturday, October 18, continued**

**Concurrent Sessions**

	<b>SESSION 1</b> Location: Meeting Room 1	<b>SESSION 2</b> Location: Meeting Room 2	<b>SESSION 3</b> Location: Meeting Room 3
<b>8:00-9:20 am</b>	<b>Forest Landscape Management &amp; Policy (Continued)</b> <i>Moderator: Jeremy Wilson</i>	<b>Silviculture &amp; Forest Production (Continued)</b> <i>Moderator: Guy LaRocque</i>	<b>Forest Social Science</b> <i>Moderator: Jessica Leahy</i>
8:00 - 8:20	Integration of remote sensing and land cover data to evaluate forest landscape change  <i>Kasey R. Legaard, Erin M. Simons, and Steven A. Sader</i>	The Acadian Forest Ecosystem Research Program (AFERP): 10-year results from the expanding-gap experiment  <i>Matthew G. Olson, Robert G. Wagner, Robert S. Seymour and Michael R. Saunders</i>	The evolution of public discourse on forest management in forest management in New Brunswick  <i>Tom Beckley and Solange Nadeau</i>
8:20 - 8:40	Automated high-resolution mapping in the northeast United States: capabilities, limitations, and possibilities  <i>Wilfred J. Mercier and Steven A. Sader</i>	Crop-tree silviculture of eastern white pine  <i>Robert S. Seymour, Chris Guiterman and Nicole Mercier</i>	Moving beyond stakeholders approaches: citizens views of forest policy and management in New Brunswick  <i>Solange Nadeau, Tom Beckley, Emily H. Kennedy, Bonita McFarlane and Stephen Wyatt</i>
8:40 - 9:00	Crossing boundaries: building a forest model for 14 contiguous townships in northern Maine  <i>Jeremy S. Wilson and Erin M. Simons</i>	Can we manage ericaceous shrub invasion in the eastern Québec's black spruce stands by selection cutting? An ecophysiological perspective.  <i>François Hébert, Alison D. Munson, Nelson Thiffault, Jean-Claude Ruel</i>	First nations in New Brunswick's forest industry: what do harvesting agreements deliver?  <i>Stephen Wyatt and Genevieve Bernier</i>
9:00 - 9:20	How will expensive oil affect Maine timberland: a preliminary sketch?  <i>Lloyd C. Irland and Jack Lutz</i>	Development of an Acadian variant of the FVS individual tree growth model  <i>A. Weiskittel, J.A. Kershaw, Jr. and J. Brissette</i>	Social acceptability of forest management on Anticosti Island: a wildlife reserve  <i>Marie-Hélène Rousseau, Louis Bélanger and Louis Guay</i>
<b>9:20-9:40 am</b>	<b>Break (refreshments in atrium by posters)</b>		



**Saturday, October 18, continued**

**Concurrent Sessions**

	<b>SESSION 1</b> Location: Meeting Room 1	<b>SESSION 2</b> Location: Meeting Room 2	<b>SESSION 3</b> Location: Meeting Room 3
<b>9:40-11:20 am</b>	<b>Forest Landscape Management &amp; Policy (Continued)</b> <i>Moderator: Jeremy Wilson</i>	<b>Silviculture &amp; Forest Production (Continued)</b> <i>Moderator: Guy LaRocque</i>	<b>Wood Products</b>  <i>Moderator: Jeff Benjamin</i>
9:40 - 10:00	Mapping ecosystem and ecological resources of East Rock Park  <i>Moe Myint, Jorge Figueroa, Julie Witherspoon and William R. Burch</i>	Comparing stochastic and deterministic models: beyond random numbers, is there any difference in model predictions?  <i>Mathieu Fortin and Luc Langevin</i>	A spatial analysis of sawmill wood procurement in the Northern Forest  <i>Nate Anderson, René Germain and Eddie Bevilacqua</i>
10:00 - 10:20	Land conservation in Maine: a retrospective assessment and analysis of alternative land use futures  <i>Robert J. Lilleholm, Christopher S. Cronan, Jill Trembley and Charles Ravis</i>	Analysis of volume prediction error in black spruce ( <i>Picea mariana</i> ) dominated forests in north-western Québec, Canada  <i>Narayan Dhital and Frederic Raulier</i>	Development of sawing patterns and lumber recovery estimates using spreadsheets  <i>J. Benjamin and Y.H. Chui</i>
10:20 - 10:40	The snowball sampling technique targets information rich sources to discover how forest policy is developed  <i>Wm. Ashton and T. Needham</i>	Spatial tree mapping and angle count sampling (ACS) using photography  <i>Adam R. Dick, John A. Kershaw, Jr. and David A. MacLean</i>	Formation quality evaluation of oriented strand composites  <i>Victor Gaete-Martinez, Stephen M. Shaler, Russell Edgar and Jon Hill</i>
10:40 - 11:00	Public participation in forest management: experiences, perceptions and expectations of social economy organizations in New Brunswick  <i>Diane Landry, Stephen Wyatt and Solange Nadeau</i>	Explaining pipe model variations with sapwood taper  <i>Robert Schneider</i>	Oriented strand board (OSB) from hot water extracted wood  <i>Juan Jacobo Paredes Heller and Stephen M. Shaler</i>
11:00 - 11:20	Stakeholder perceptions of uncertainty: a driver of New Brunswick forest policy  <i>William F.A. Anderson</i>	Regional variation in dominant height growth for balsam fir and red spruce in Maine  <i>Rongxia Li and Aaron Weiskittel</i>	Adhesion issues of wood plastic composites surfaces (WPC)  <i>Gloria S. Oporto, Douglas J. Gardner and David J. Neivandt</i>



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## Saturday, October 18, continued

11:20-12:00

### CONFERENCE WRAP-UP SESSION

#### Speakers

*Several prominent speakers in the fields of Silviculture & Production, Ecology & Wildlife, and Forest Management & Operations will provide an overview of the state of research presented at the conference.*

12:00 pm

### BOX LUNCH

(Pick up a lunch and take it with you,  
whether you are attending the field tour or headed home)

12:00-4:00

### Field Tour of Long-term Silviculture and Ecological Research on Penobscot Experimental Forest

(Optional, **pre-registration required**)

**Tour Organizers:** Olson & Nelson

**USFS Silvicultural Systems Experiment** –Brissette & Kenefic

**CFRU Commercial Thinning Study** –Seymour, Wagner & Meyer

**Acadian Forest Ecosystem Research Program (AFERP)** –Wagner, Seymour, &  
Olson

**LEAP Amphibian Ecology Study** –Hunter & Popescu

