



Adirondack Research Consortium

Better Information for Better Decisions

20th Annual Conference on the Adirondacks

*20/20- A Retrospective Look Back 20-Years, Today, and 20-Years in the Future
Climate Change/ Sustainability and Communities/ Energy/ Wilderness and Working Landscapes/Wildlife and Ecological
Trends*

May 15-16, 2013, High Peaks Resort, Lake Placid, NY

Media Sponsor – Mountain Lake PBS, WCFE, Plattsburgh, NY

PROGRAM OVERVIEW

Tuesday, May 14, 2013

1:00–5:00 p.m. Optional Field Trip, Whiteface Mountain, Wilmington, NY.
Dr. Bruce Selleck, Colgate University - Boreal Communities, Weather
Observations, and Geology. (Additional \$25.00 registration charge.)

Wednesday, May 15, 2013

7:30 a.m. Registration, Continental Breakfast, Poster and Exhibit Set-Up

8:30 a.m. “Opening Remarks and Introduction”, **Daniel M. Spada**, President, Adirondack Research Consortium

8:45 a.m. **KEYNOTE SPEAKERS:**

Andrew C. Revkin, "Dot Earth" the environmental blog for *The New York Times* Op-Ed section, “Climate Change and World Perspectives on the Adirondacks”

Stephen T. Jackson, Director, Department of the Interior Southwest Climate Science Center, “The Adirondacks in a Changing Climate: Looking Forward from the Past”

10:15 a.m. Break

10:45 a.m. **Joseph J. Martens**, Commissioner, NYS Department of Environmental Conservation, Invited: "Trends in Wilderness and Working Landscapes in the Adirondacks”

Presentation of the 2013 Adirondack Achievement Award, **Joseph J. Martens**, Commissioner, NYS Department of Environmental Conservation

- 12:00 p.m. Lunch: **Alice Recore**, President and CEO, Mountain Lake PBS, Media Sponsor of the Annual Conference on the Adirondacks
- Presentation of the 20th Anniversary Adirondack Leadership and Legacy Award:
Dr. Elizabeth W. Thorndike
- 1:30 p.m. **Plenary Panel 1** – “Energy Supply and Demand Intersecting with the Future of the Adirondacks”
Robert B. Catell, (Moderator) Chairman, Advanced Energy Research and Technology Center; **Frank Murray**, NYSERDA; **Paul Decotis**, LILCO; **Echo Cartwright**, National Grid; and, **Daniel Whyte**, Brookfield Renewable Power.
- 3:00 p.m. Break
- 3:30 p.m. **Plenary Panel 2**: “A Sense of Place – Historical and Future Perspectives on the Community”,
Dr. Neil Murphy, (Moderator) President, SUNY College of Environmental Science and Forestry, **Dr. John Mills**, President, Paul Smith’s College, **Dr. Stephen Ainlay**, President, Union College, and **Dr. James Liszka**, Provost/Vice President for Academic Affairs, SUNY Plattsburgh, **Dr. Chuck Thorpe**, Senior Vice President and Provost, Clarkson University
- 5:00 p.m. Student Paper and Poster Author Reception, Opportunity to meet students presenting at the Annual Conference and discuss their work. Music by: **The Adirondack Research Scientists Musical Review**, **Dr. Curt Stager**, Paul Smith’s College, **Musical Director**.

Thursday, May 16, 2013

- 7:30 a.m. Registration Opens, Continental Breakfast
- 8:30 a.m. 2012 Adirondack Research Consortium’s Annual Meeting and Elections
- President’s Report
 - Election of Board of Directors
 - Open Membership Comments
- 9:00 a.m. **Plenary Panel 3** – “20/20 Perspectives on Adirondack Communities”
David Miller, (Moderator) Ecology and Environment, **Steven Engelhart**, Adirondack Architectural Heritage (AARCH), **Dave Mason** and **Jim Herman**, ADK Futures Project, **Kate Fish**, Adirondack North Country Association
- 10:30 a.m. Break

CONCURRENT SESSIONS, MAY 16, 2013

11:00 a.m. Concurrent Sessions 1 – (Please Choose One):

Concurrent Session 1.1 - Climate Change, Community Impacts, and Adaptation Methodologies (Iroquois)

Mark Watson, NYSERDA, Moderator

Joshua Thiel, NYS Dept. of Environmental Conservation, " Post-Flood Emergency Stream Intervention – Lessons Learned and Future Guidance."

Martha Naley, U.S. Fish and Wildlife Service, "Streams Behaving Badly - Nature or Nurture?"

Corrie Miller, Ausable River Association, and **Jessica Levine**, The Nature Conservancy, "Improved culverts and climate adaptation: a win for human and aquatic communities."

Concurrent Session 1.2 - Biomass Heating and Advances in Wood Boiler Technologies (Algonquin)

Nathan Russell, NYSERDA, Moderator

Christopher Brown, Brookhaven National Laboratory, Sustainable Energy Technologies Division, "Development of a new emissions test method aimed at advanced wood gasification boilers."

John Culpepper, North Country School, Inc., "Pellet, chip, and cord wood boiler systems and sustainable harvesting at the North Country School."

David Dungate, ACT Bioenergy, "Perspectives on high-efficiency pellet heating market opportunities."

Alan Rossner, Clarkson University, "An overview of carbon monoxide in bulk pellet storage facilities."

Concurrent Session 1.3 - Economic Impacts of Tourism (Wright)

Jim Martin, The LA Group, Moderator

David Simpson and **Sterling Goodspeed**, Iowa Pacific Railroad, "Economic impact of the railroad revitalization that is both green and a part of the community's heritage."

Tim Holmes, Wild Center, "Attributes and Economic Impact of Visitors to the Wild Center."

Kim Rielly, Essex County ROOST, "Economic Impact of Tourism in the Adirondacks."

Concurrent Session 1.4 - Perspectives on Land (Sentinel)

Eileen Allen, SUNY Plattsburgh, Moderator

Michale Glennon, WCS-Adirondack Program, "How Much is Enough?"

David Patrick, Paul Smith's College, TBA

Erik Backlund, St. Lawrence University, "The effects of community participation and satisfaction on evaluating out migration among Adirondack residents."

Nina L. Caruso, Roger Williams University, "Visual Harmony: The Relationship Between the Built and Natural Environments From the User's Perspective" (*Pearsall Foundation/International Paper Scholar**)

(*) NOTE: The four students presenting papers and a poster at the Annual Conference are being sponsored by grants from the Pearsall Adirondack Foundation and the International Paper Foundation – Ticonderoga Mill. They were selected top research papers at the Student Research Symposium held by the Adirondack Research Consortium on April 13th, 2013 at Paul Smith's College and were invited to present at the 20th Annual Conference on the Adirondacks.

12:30 p.m. Lunch - Keynote: **Jerry Jenkins**, Ecologist, Wildlife Conservation Society Adirondack Program, "Monitoring Climate Change Biology: Why Do It, Who is Doing It, What Should We Do?" A talk about how climate change impacts animals and plants, and who is trying to study them, and what they are finding.

2:00 p.m. Concurrent Sessions 2 – (Please Choose One):

Concurrent Session 2.1 - Acid Deposition and the Impacts of Mercury on Birds and the Food Web (Iroquois)

Greg Lampman, NYSERDA, Moderator

Habibollah Fakhraei, Syracuse University, “How much must acid deposition decrease to restore acid-impaired lakes in the Adirondacks?”

Douglas Burns, U.S. Geological Survey, “Measures of Geomorphology and Organic Carbon Help Identify Mercury Contamination Risk in Adirondack Aquatic Ecosystems.”

Amy K. Sauer, Biodiversity Research Institute & Syracuse University, “Mercury Bioaccumulation within Terrestrial Foodwebs in the Northeastern United States.”

Concurrent Session 2.2 - Native/Invasive Species (Algonquin)

Tom Young, Clarkson University, Moderator

Hilary Smith, AIPPP, “Meeting the Invasive Species Challenge.”

David Patrick, Paul Smith’s College, ATBI, TBA

Nathan Reigner, University of Vermont, “Northeastern mountain summit recreation; Social science and ecology research to monitor and evaluate the impacts of mountain summit recreation and study perceptions and attitudes of recreationists about ecological impacts and their management.”

Concurrent Session 2.3 – Lakes, Fish, and Wildlife (Wright)

Stacy McNulty, SUNY ESF, Moderator

Lee Ann Sporn, Paul Smith’s College, “Are yellow perch native to the Adirondacks? The DNA evidence.”

Kristina Arseneau, Queen’s University, “Acidification, biological recovery, and climate warming.”

Erin Siracusa, St. Lawrence University, “Assessing the impact of North American porcupine (*Erethizon dorsatum*) foraging on forest composition and structure in northern New York.” (*Pearsall Foundation/International Paper Scholar**)

Kevin Ohol, SUNY Potsdam, “Occupancy Modeling and Applications for Spruce Grouse (*Falcapennis Canadensis*) in the Adirondacks.” (*Pearsall Foundation/International Paper Scholar**)

POSTERS PRESENTATIONS (Sentinel)

Adam Busman and Jay Ward, SUNY ESF; Martin Dovciak, advisor, “Recent convergence of *Picea rubens* growth rates at high and low elevation on Whiteface Mountain.”

Ashley Hinton and Dan Bishop, SUNY ESF; Colin Beier, advisor, ‘Sensitivity of northern white-cedar (*Thuja occidentalis*) populations to hydrological variation in a lacustrine Environment.’

Kathleen A. Wiley and Eric Holmlund, Paul Smith’s College and the Adirondack Watershed Institute of Paul Smith’s College, “An Overview of Paul Smith’s College’s Watershed Stewardship Program.”

Ryan L. Murphy, St. Lawrence University, Faculty Mentor: Dr. Ning Gao, “Detection of Trihalomethanes in Municipal Water Supplies Using Solid-Phase Microextraction and GC/MS.”

Lee Ann Sporn Anastasia Dierna, Ryan Deibler, Corey Laxson and Daniel Kelting, Paul Smith’s College and the Adirondack Watershed Institute of Paul Smith’s College, “Environmental DNA based surveillance of aquatic invasives. “

Christopher Shrope and David Pynchon, St. Lawrence University, “Resident evaluations of community satisfaction in five Adirondack towns.” (*Pearsall Foundation/International Paper Scholar**)

Kristin Pasquino, Paul B. Hai*, Elizabeth Folta, SUNY-ESF, “Out with the Old, In with the New?”

Kevin L. Civerolo, H. Dirk Felton, Karen M. Roy, NYSDEC Div. of Air Resources; and **Gregory G. Lampman**, NYSERDA/EMEP, “Enhancements to acid deposition monitoring in New York State”

3:30 p.m. Adjourn

The Adirondack Research Consortium’s Student Research Scholarship Program
is made possible through the generous support of:

**International Paper Foundation – Ticonderoga Mill
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Adirondack Research Consortium

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May 2, 2013