



Day 1 - Thursday, October 27, 2016

Catskill Environmental Research & Monitoring Conference

AGENDA

8:00 to 9:00 - Registration (Coffee & Tea Service)

Welcome & Opening Remarks (45 minutes)

9:00 - 10:30	Tim Maxwell	Belleayre	<i>Welcome & Facility Related Announcements</i>
	Lydia Reidy	Cornell Coop Ext	<i>Welcome & Conference-Related Announcements</i>
	Paul Rush	NYC DEP	<i>Opening Remarks</i>
	Kathleen Moser	NYSDEC	<i>Opening Remarks</i>
	S. Parisio/Don Kent	CERM	<i>CERM Overview/Research Directory</i>
Keynote Address (45 minutes)			
	Joshua Ginsberg	Cary IES	<i>Inside the Blue Line: Looking at the Catskills as a 136-Year Experiment in Natural Recovery</i>

10:30 to 10:45 - Break (Coffee & Tea Service) * Visit the Guide to Research Table

Session 1 - Research for Resource Management and Policy Decisions in the Catskills (L. Janus, organizer)

10:45 - 12:30	Gary Lovett	Cary IES	<i>Why Do We Keep Getting New Forest Pests and What Can We Do About It?</i>
	Danyelle Davis/Jason Siemion	NYC DEP/USGS	<i>How Effective Are Sediment and Turbidity Reduction Projects (STRPs) in the Stony Clove Creek Watershed?</i>
	Michael DiSarno	NYSDEC	<i>Assessing the Status of Brook Trout Distribution in Southeast New York State</i>
	Lorraine Janus	NYC DEP	<i>Catskill Region Water Quality Improvements with 25 Years of Watershed Protection</i>

12:30 to 1:30 - Lunch (Buffet in Cafeteria)

Session 2 - Tools and Models to Understand and Adapt to Climate Change in the Catskills (G. Lampman, organizer)

1:30-2:45	Seth Lawler	Dewberry	<i>Identifying Stream Reaches Most Susceptible to Climate-Exacerbated Debris Load</i>
	Ingrid Zabel	Cornell University	<i>Climate Change Resources for New York State: The New York Climate Change Science Clearinghouse</i>
	Kristen France	TNC New York	<i>The New York State Natural Resource Navigator</i>

2:45 to 3:15 - Break * Visit the Guide to Research Table

Session 3 - Contributed Presentations (M.S. Adams, organizer)

3:15- 5:00	Deborah Layton	NYC DEP	<i>Preliminary Comparison of Similarities and Differences in Tree Height and Volume as a Function of Diameter for Aggregated and Individual Species in Different Watershed Basins within the Catskills</i>
	Thomas Franzem	SUNY Oneonta	<i>Factors Impacting Amphibian Populations in Anthropogenic Vernal Pools</i>
	Scott George	U.S. Geological Survey	<i>Long-Term Trends in Naturalized Rainbow Trout Populations in the Upper Esopus Creek</i>
	Nachiketa Acharya	Columbia University	<i>Application of Stochastic Weather Generators for Climate Change Impact Study over the Catskill Mountain Watersheds</i>
	Lori Froehlich	NYC DEP	<i>The Development of Enhanced Robotic Monitoring Buoys on Cannonsville and Neversink Reservoirs to Measure Dissolved Organic Matter, Chlorophyll and Cyanobacteria</i>

5:00 to 7:00 - Posters & Mixer (Cash Bar)



Day 2 - Friday, October 28, 2016

Catskill Environmental Research & Monitoring Conference

AGENDA

8:00 to 9:00 - Coffee & Tea Service * Visit the *Guide to Research* Table

9:00 - 10:40	Session 4 - Carbon in Catskill Waters from Soil to Tap (G. Lovett, organizer)		
	Chris Johnson	Syracuse University	<i>Distribution of Soil Carbon and Production of DOC</i>
	Christy Goodale	Cornell University	<i>Interactions Between DOC and the Nitrogen Cycle</i>
	Chris Solomon	Cary IES	<i>The Ecological Roles of DOC in Aquatic Ecosystems</i>
	Emmet Owens	NYC DEP	<i>Modeling of DOC and Disinfection By-Product Precursors in the NYC Water Supply</i>

10:40 to 11:00 - Break (Coffee & Tea Service) * Visit the *Guide to Research* Table

11:00 - 12:15	Session 5 - Wood in Catskill Streams & Floodplains: Ecosystem Integrity, Water Quality, and Public Safety (M. Vian, organizer)		
	Ellen Wohl	Colorado State University	<i>Messy Rivers, Healthy Rivers, and Large Wood: The Role of Physical Complexity in Sustaining Ecosystem Processes</i>
	Katie Costigan	University of Louisiana at Lafayette	<i>Large Wood in Central Appalachian Headwater Streams: Controls on and Potential Changes to Wood Loads from Infestation of Hemlock Woolly Adelgid</i>
	Stephen Long	Author	<i>Thirty-eight: The Hurricane that Transformed New England</i>

12:15 to 1:15 - Lunch (Buffet in Cafeteria)

1:15 - 3:00	Session 6 - Cooperative Research on Catskills Geology & Soils (S. Parisio, organizer)		
	Charles Ver Straeten	NYS Museum	<i>Catskills Bedrock: An Elemental Geochemistry Overview</i>
	Dorothy Peteet	Columbia LDEO	<i>Deglaciation in the Catskills - When, How, and Who?</i>
	Julie Urban	Penn. State University	<i>Molecular Sequencing of the Humus Layer in Catskill Soils: Using Deep Sequencing to Characterize Resident Bacterial and Fungal Communities</i>
	Olga Vargas	USDA-NRCS	<i>Catskill Soil Taxonomy – Do Mountaintop Soils Qualify as Spodosols?</i>

3:00 to 3:15 - Break * Visit the *Guide to Research* Table

3:15 - 4:15	Session 7 - Contributed Presentations (B. Baldigo, organizer)		
	David Esteban	Vassar College	<i>Microbial Community Differs Under Sugar Maple vs. Red Oak: Implications for N cycling in the Catskills and Hudson Valley Region</i>
	Allan Frei	CUNY Hunter College	<i>Hurricane Irene and Tropical Storm Lee: How unique were they in the Catskill Mountains?</i>
	Lauren Davis	Retired Engineer	<i>Potential Improvements in Flood Mitigation Evaluation</i>



Poster Session - Thursday, October 27, 2016, 5:00 to 7:00 pm
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Presenter	Affiliation	Presentation Title
Troy Ellick	SUNY New Paltz	<i>Using a bird feeder network to characterize bird communities across a suburban university campus</i>
Scott George	U.S. Geological Survey	<i>Efficacy of environmental DNA and traditional fish sampling methods to monitor the expansion of invasive round goby in the Mohawk River-Barge canal system</i>
Sarah Hinshaw	NYC DEP	<i>Updating and optimizing Catskill Mountain bankfull discharge and hydraulic geometry regional relationships</i>
Michael Kudish	Paul Smith's College	<i>Catskill forest history maps</i>
Jason Ratchford	Riverkeeper	<i>Water quality sampling along 121 miles of the Mohawk River in 30 hours</i>
Gary Lovett	Cary IES	<i>Impacts of Tree Species and Harvest Regimes on Nitrogen Retention in Catskill Forests</i>
Aidan Mabey	SUNY New Paltz	<i>Bringing nature into the classroom: Effects on the individual scale, as well as a societal scale</i>
Kyongho Son	CUNY	<i>Estimating carbon budgets of the Biscuit Brook watershed using RHESSys</i>
Laura Stark	SUNY New Paltz	<i>The impact of urbanization on nest box occupancy</i>
Hailey Steichen	Vassar College	<i>Catskill soil genesis and morphology in relation to forest type</i>
Natasha Vargo	Vassar College	<i>Historical analysis of atmospheric mercury deposition preserved in ombrotrophic bogs in the Catskill Mountains</i>
Mark Vian	NYC DEP	<i>Integrated tools to improve the understanding of linkages among hydrology, sediment and carbon in Catskills headwater streams</i>