Poster Location	Poster Title	Organization	Poster Presenter
Ecosystem Response to Sulfur, Nitrogen and Mercury			
E1	Mercury in Fish from New York State Lakes	New York State Department of Environmental Conservation	Howard Simonin
E2	NYSDEC's Program to Monitor Mercury Wet Deposition and Speciated Ambient Mercury in Two Urban Areas	New York State Department of Environmental Conservation	Dirk Felton
E3	Retention, Transformation, and Potential Long-Term Export of Mercury from Wetlands to Surface Waters in the Adirondack Region, New York, USA	Cornell University	Jason Demers
E4	Assessment of Methylmercury Availability in Bats in New York	BioDiversity Research Institute	David Evers
E5	Songbirds as Indicators of Environmental Mercury Loads in New York	BioDiversity Research Institute	Melissa Duron
E6	Dynamics of Hg in Forest Wetland Ecosystem in the Adirondack Region of NY, USA	Syracuse University	Ryan Adams
E7	Response of Yellow Perch (*Perca flavescens*) in Adirondack Lakes to Changes in Atmospheric Deposition of Mercury and Strong Acids	Syracuse University	Ryan Adams
E8	Mercury Accumulation in Seston Across a Range of Lakes in the Adirondack Mountains, New York	Syracuse University	Ryan Adams
E9	Long-Term Monitoring and Assessment of Mercury Based on Integrated Sampling Efforts Using the Common Loon, Prey Fish, Water, and Sediment	Wildlife Conservation Society's Adirondack Loon Conservation Program	Nina Schoch
E10	A Geospatial Assessment of Mercury Bioaccumulation and Trophic Transfer in Amphibian Populations from the Northeastern United States	Harvard University, School of Public Health	Mike Bank
E11	Nitrate Isotopes as Tracers of Nitrogen Cycling Processes in Watershed of Varying Land Use in New York	U.S. Geological Survey	Carol Kendall and Doug Burns
E12	Nitrogen Isotopes as Indicators of NOx Source Contributions to Atmospheric Nitrate Deposition across the Midwestern and Northeastern United States	U.S. Geological Survey	Carol Kendall and Doug Burns
E13	#1 Quantifying Atmospheric Nitrogen Sources with New Stable Isotope Techniques: What Have We Learned?	U.S. Geological Survey	Carol Kendall and Doug Burns
E14	#2 Why do Different Anthropogenic Sources of Atmospheric Nitrate Have Distinctive Isotopic Signatures?	U.S. Geological Survey	Carol Kendall and Doug Burns
E15	Representativeness of Adirondack Long-Term Monitoring Lakes and Recovery from Acidification	E&S Environmental Chemistry, Inc.	Tim Sullivan
E16	Effects of Acid Rain on the Chemistry of Western Adirondack Streams in 2003-2005	U.S. Geological Survey	Greg Lawrence
E17	Assessment of Nitrogen and Acidic Deposition Impacts to Terrestrial and Aquatic Ecosystems of Tug Hill	State University of New York College of Environmental Science and Forestry	Greg McGee
E18	Biogeochemistry and Hydrology of an Adirondack Watershed: A Comparative Approach	State University of New York College of Environmental Science and Forestry	Matt Domser
E19	Real-Time Access of Remote Data in the Adirondack Mountains	State University of New York College of Environmental Science and Forestry	Pat McHale
E20	Evaluating Changes in Water Quality in Adirondack Lakes from Adirondack Long-Term Monitoring (ALTM) Program	New York State Department of Environmental Conservation	Jed Dukett
E21	Unexpected Responses of an Oak Forest to Nitrogen Amendment	Institute of Ecosystem Studies	Gary Lovett
E22	Mineral Sources of Calcium and Phosphorus in Soils of the Northeastern USA	State University of New York College of Environmental Science and Forestry	Ruth Yanai

E23	The Influence of Calcium Addition Upon Forest Floor and Mineral Soil Horizons in a Watershed Impacted by Acidic Deposition	Syracuse University	Youngil Cho
E24	Comparison of Cloud and Rain Chemistry Observations at Whiteface Mountain	Adirondack Lakes Survey Corporation	Nenad Aleksic
E25	Regional Forest Health and Stream and Soil Chemistry Using a Multi-Scale Approach and New Methods of Remote Sensing Interpretation, Catskill Mountains, NY	U.S. Geological Survey/ U.S. Forest Service	Richard Hallett
E26	The Adirondack Effects Assessment Program: Lake Water Chemistry Comparisons Between 1994 and 2006	Darrin Fresh Water Institute	Robert Bombard
E27	Amphibian Communities of Brooktrout Lake, a "Recovering" Acidified Lake in the Adirondacks	New York State Museum	Mary Beth Kolozsvary
E28	Atmospheric Deposition and Stream Water Monitoring in Biscuit Brook Watershed, Catskill Mountains, N.Y.	U.S. Geological Survey	Michael R. McHale
E29	Recovery of an Acid Lake, Brooktrout Lake. III. Biological and Chemical Interactions	New York State Department of Environmental Conservation	Jay A. Bloomfield
E30	Response of Phytoplankton Assemblages to Decreasing Acidic Deposition in Adirondack Mountain Lakes	Patrick Center for Environmental Research, Academy of Natural Sciences	Charles Boylen
E31	Submersed Macrophyte Communities of Adirondack Lakes: Relationships Between Community Structure and pH	Darrin Fresh Water Institute	Charles Boylen
E32	Acidification Effects and Recovery of Zooplankton in Selected Adirondack Lakes	Marist College	William H. Shaw
E33	Recovery of an Acid Lake, Brooktrout Lake. I. Chemical Recovery	New York State Department of Environmental Conservation	Scott O. Quinn
E34	Recovery of an Acid Lake, Brooktrout Lake II. Biological Recovery	New York State Department of Environmental Conservation	Clifford Siegfried
E35	Investigating Interactions between Carbon, Nitrogen, and Calcium Cycles in the Woods Lake Watershed, Adirondack Park	Department of Ecology & Evolutionary Biology, Cornell University	April Melvin
E36	Seasonal Variation in Nitrogen Retention Processes in a Coupled Terrestrial-Aquatic Ecosystem: A Tracer Experiment	Department of Ecology & Evolutionary Biology, Cornell University	Christy Goodale
E37	Expected Changes in Deposition of Sulfur and Nitrogen over New York State Following CAIR	New York State Department of Environmental Conservation	Kevin Civerolo
E38	Organic Contaminant Sources to the Lower Hudson Basin	Lamont-Doherty Earth Observatory of Columbia University	Beizhan Yan
E39	Fish Assemblages of 31 Adirondack Lakes, 1995-2006	New York State Museum	Robert A. Daniels
E40	Use of 16S rDNA Sequencing to Elucidate Microbial Communities in Adirondack Lakes of New York State	Darrin Fresh Water Institute	Sascha F. Percent
Air Quality and Related Health Research			
A1	Monitoring the Impact of Title IV (EPA Acid Rain Program) at Whiteface Mountain: An Exercise in "Accountability" in Air Quality Management	Atmospheric Sciences Research Center, University at Albany, State University of New York	Kenneth L. Demerjian
A2	Traffic Impacts on Air Quality: The Missing Link in Pollution Exposure?	Atmospheric Sciences Research Center, University at Albany, State University of New York	Kenneth L. Demerjian
A3	Fast Time Response Measurements of Gaseous Nitrous Acid (HONO) Using a Tunable Diode Laser Absorption Spectrometer: HONO Emission Source from Vehicle Exhausts	Atmospheric Sciences Research Center, University at Albany, State University of New York	Yongquan Li
A4	HONO Emissions from Vehicle Exhaust as a Function of Vehicle Operating Conditions	Atmospheric Sciences Research Center, University at Albany, State University of New York	Yongquan Li
A5	Photoelectric Charging Characteristics of Particles from Mobile Emissions: Applications to Source-Selective Measurements	Clarkson University	Suresh Dhaniyala
A6	Miniature Instruments for Particle Sizing and Compositional Analysis	Clarkson University	Suresh Dhaniyala

A7	A New Conception for Environmental Measurement of Ultrafine Particles	Topas GmbH/ TSI Incorporated	Bob Anderson
A8	Modeling Formation and Evolution of Size-Resolved Soot Particles in Diesel Engine Modeling Formation and Evolution of Size-resolved Soot Particles in Diesel	Atmospheric Sciences Research Center, University at Albany, State University of New York	Chowdhury G. Moniruzzaman
A9	Characterization of Ultrafine Particle Emissions from a Gasoline Vehicle	Atmospheric Sciences Research Center, University at Albany, State University of New York	Fangqun Yu
A10	Nanoparticle Formation in the Exhaust of Vehicles Running on Ultra-low Sulfur Fuel	Atmospheric Sciences Research Center, University at Albany, State University of New York	Hua Du
A11	Applications of Passive and Active Remote Sensing for Monitoring of Aerosols	City College of the City University of New York	Fred Moshary
A12	Ultrafine Particles and Cardiac Responses: Evaluation in a Cardiac Rehabilitation Center	University of Rochester Medical Center and Clarkson University	David Chalupa
A13	New York State Air Pollution and Health Studies Inventory Data Base	Department of Epidemiology, Johns Hopkins Bloomberg School of Public Health	Ronald H. White
A14	Seasonal Abundance of Wood Smoke Markers and Cholesterol in Fine Particles from the New York Metropolitan Area	Rutgers University	Monica A. Mazurek
A15	Organic Speciation of Vehicle Exhaust Particulates: Gasoline and Diesel Light-Duty Vehicles	Rutgers University	Monica A. Mazurek
A16	A Quantitative Protocol for Highly Polar Organic Compounds in PM2.5 from the New York City Airshed	Rutgers University	Monica A. Mazurek
A17	Characterization of Oxygenated Organic Compounds Using a High-Resolution Time-of-Flight Aerosol Mass Spectrometer	Atmospheric Sciences Research Center, University at Albany, State University of New York	Brian Frank
A18	Characterization of Laboratory-Generated Secondary Organic Aerosols Using a High Resolution Time-of-Flight Aerosol Mass Spectrometer	Atmospheric Sciences Research Center, University at Albany, State University of New York	Brian Frank
A19	Emissions Characteristics of Residential Gas, Oil and Wood Pellet Fueled Heating Systems	Brookhaven National Laboratory	Roger J. McDonald
A20	Characterization of Nitrogen Containing Organic Species in Fog/Cloud Waters Using a High-Resolution Time-of-Flight Aerosol Mass Spectrometer	Atmospheric Sciences Research Center, University at Albany, State University of New York	Yele Sun
A21	Impacts of Clean Diesel Strategies/Technologies on Air Quality and Exposure in New York	Cornell University	K. Max Zhang
A22	A Comprehensive Evaluation of the NYS Clean Air School Bus Program	Cornell University	H. Oliver Gao
A23	Predicting near real-time PM2.5 FRM Concentrations from Continuous Mass and Species Measurements in New York City	New York State Department of Environmental Conservation	Dirk Felton
A24	Highlights of PM2.5 Continuous Speciation Measurements in New York	New York State Department of Environmental Conservation	Oliver V. Rattigan
A25	Characteristics of Aerosol Growth Events at Urban and Rural Locations in New York	Atmospheric Sciences Research Center, University at Albany, State University of New York	Min-Suk Bae
A26	A Method for Extracting Additional Information on the Organic, Elemental and Pyrolyzed Carbon from Real Time Measurements with the Sunset Carbon Aerosol Analyzer	Atmospheric Sciences Research Center, University at Albany, State University of New York	Min-Suk Bae
A27	Investigation of Secondary Organic Signals in Nitrate Measurements by Aerosol Mass Spectrometer	Atmospheric Sciences Research Center, University at Albany, State University of New York	Min-Suk Bae
A28	A Case Study of Urban Particle Acidity and Its Influence on Secondary Organic Aerosol	Atmospheric Sciences Research Center, University at Albany, State University of New York	Qi Zhang

A29	A High-Resolution Time-of-Flight Aerosol Mass Spectrometer Study on Size Resolved Aerosol Composition at the Peak of Whistler Mountain during INTEX-B	Atmospheric Sciences Research Center, University at Albany, State University of New York	Qi Zhang
A30	Component Analysis of Organic Aerosols in Urban, Rural, and Remote Atmospheres Based on Aerosol Mass Spectrometry	Atmospheric Sciences Research Center, University at Albany, State University of New York	Qi Zhang
A31	Ozone, Trace Gas, Particulate Matter, and Key Indicator Measurements at ASRC's Rural Field Site in Addison, NY: 1995-2005	Atmospheric Sciences Research Center, University at Albany, State University of New York	James J. Schwab
A32	Continuous Measurements of Nitric Acid and Ammonia at a Rural New York Site	Atmospheric Sciences Research Center, University at Albany, State University of New York	James J. Schwab
A33	Relationships Between Aerosol Scattering and Fine Particulates at Whiteface Mountain in Upstate New York	Atmospheric Sciences Research Center, University at Albany, State University of New York	Utpal K. Roychowdhury
A34	Use of CMAQ Modeling System in Forecasting PM2.5 Air Quality over New York State	Atmospheric Sciences Research Center, University at Albany, State University of New York	Christian Hogrefe
A35	Long-Term Air Quality Simulations Over the Northeast: Model Performance and Potential Applications for Health Impact Analyses	Atmospheric Sciences Research Center, University at Albany, State University of New York	Christian Hogrefe
Alternative Energy and Emerging Technologies			
ALT 1	Mitigation of Ecosystem Degradation by Bio-energy using Biochar	Cornell University	Johannes Lehmann
ALT 2	Ethanol/Biodiesel – Challenges and Opportunities	NYSERDA	Carl Mas
Climate Change			
C1	Permanent Carbon Dioxide Storage in Deep Ocean Sediments Along the U.S. NE Coast	Lamont-Doherty Earth Observatory	David Goldberg
C2	Modeling the Potential Impacts of Climate Change on Air Quality and Deposition Over the Northeastern U.S.	Atmospheric Sciences Research Center, University at Albany, State University of New York	Christian Hogrefe
C3	Carbon Sequestration Utilizing the Wollastonite Resources of New York State	Columbia University	Sam Krevor
C4	Carbon Sequestration in New York	New York State Museum	Alexa Stolorow
C5	PlanNYC 2030	Mayor's Office of Long Term Planning and Sustainability	Carter Strickland, Jr.
Environmental Technology: Power Generation			
P1	Modeling Advanced Designs for Zero Emission Power Plant Technologies	Columbia University	Xinxin Li
P2	Using LIBS Measurements for Coal Quality Monitoring and Upgraded Power Plant Control	Lehigh University	Ricardo X. Moreno
P3	Case Study: Using Milling Technology and CFD Modeling to Improve Trona Utilization for SO3 Control at AES Somerset	O'Brien & Gere	Jonathon Norman
P4	Substratum Intake System: An Alternate Power Plant Cooling Technology	EEA:Energy & Environmental Analysts, Inc.	Roy Stoecker, James E. McAleer, Michelle K. Nannen