

Mohawk Watershed Symposium - 2012
16 March 2012, College Park, Union College, Schenectady NY

- 2012 Schedule -

Friday 16 March 2012

Oral session (College Park) - Registration and Badges required

8:30 9:00 Registration, Coffee. College Park

9:00 9:05 Introductory remarks

John I. Garver, Geology Department, Union College

9:05 9:33 Meteorological Factors that Resulted in Extreme Rainfall During Tropical Storm Irene (Invited)

Joseph Villani, Stephen DiRienzo (Speaker), Hugh Johnson, Vasil Koleci, Kevin Lipton, George Maglaras, Kimberly McMahon, Timothy Scrom, Thomas Wasula, and Britt Westergard, NOAA/NWS Weather Forecast Office, Albany, New York

9:33 10:01 Hydrology of Tropical Storms Irene and Lee (Invited)

Britt Westergard (Speaker), Joseph Villani, Stephen DiRienzo, Hugh Johnson, Vasil Koleci, Kevin Lipton, George Maglaras, Kimberly McMahon, Timothy Scrom, and Thomas Wasula, NOAA/NWS Weather Forecast Office, Albany, New York

10:01 10:16 Rethinking forecasted impacts of gradual climate change in the Mohawk Watershed and other northeastern watersheds: Extreme events vs gradual change

Jaclyn Cockburn, Geography Department, University of Guelph and John I. Garver, Geology Department, Union College

10:16 10:44 How Extreme was Irene? A Comparison of the 2011, 1996 and 1987 Floods along the Schoharie Creek (Invited)

Chris Gazoorian, U.S. Geological Survey, New York Water Science Center

10:44 11:14 COFFEE and POSTERS (see below for listing)

11:14 11:42 In Irene's and Lee's Wake: Putting the Pieces and Places of the Erie Canal Back Together (Invited)

Brian Stratton, New York State Canal Corporation

11:42 11:57 Change in the Mohawk Watershed and Vulnerability to Infrastructure

John I. Garver, Geology Department, Union College and Jaclyn Cockburn, Geography Department, University of Guelph

11:57 12:12 Instrumentation in the Gilboa Dam

Howard Bartholomew, Dam Concerned Citizens

12:12 12:27 Degradation and Aggradation Along the Mohawk River and the Schoharie Creek

Ashraf Ghaly, Engineering, Union College

12:27 12:55 Post Flood Recovery Efforts in Schoharie County from a Conservation Districts Vantage Point (Invited)

Peter Nichols, Schoharie County Soil and Water Conservation District

**12:55 14:15 - LUNCH and Breakout Sessions -- See abstract volume for Breakout Session Details -
Lunch provided at College Park**

14:15 14:35 Breakout reports

Facilitator: Jaclyn Cockburn

14:35 15:03 New York's Shale Plays and Water Resources (Invited)

John Williams, United States Geological Survey

15:03 15:18 An Urban Waters Program Proposal – Bioassessment, youth training, and post-flood riparian recovery of the Schoharie and lower Mohawk Watershed – A Call for Investors

John McKeeby, Schoharie River Center

15:18 15:46 NYSDEC Mohawk River Basin Program: Building Collaborations and Partnerships in the Basin (Invited)

Alexander J. Smith and Katherine Czajkowski, New York State Department of Environmental Conservation

15:46 16:16 **COFFEE and POSTERS (see below for listing)**

16:16 16:31 **Mohawk River Watershed Management Plan Progress Report: Inventory of Physical Features, Land Use, and Pollution Sources Using GIS**

Dave Mosher and Katie Budreski, Mohawk River Watershed Coalition of Conservation Districts

16:31 16:46 **Mohawk River Watershed Management Plan: Assessment Phase of Watershed Characterization**

Win McIntyre, Mohawk River Watershed Coalition of Conservation Districts

16:46 17:14 **Mighty Waters (Invited)**

Congressman P.D. Tonko, New York's 21 Congressional District

17:14 17:29 **Closing Remarks**

Jaclyn Cockburn, Geography Department, University of Guelph

Poster session (all day)

P1 Stream Gages on the Schoharie Creek and its Tributaries

Sherry Bartholomew, Howard Bartholomew, Alexander Bartholomew, DCC

P2 Monitoring small-scale bedload transport using Passive Integrated Transponders (PIT)

Garnet Cornell, Dylan Gillingham, Geography Department, University of Guelph

P3 An insight into shoreline damage due to stormwater surge

Ashraf Ghaly, Engineering, Union College

P4 Post-Irene suspended sediment dynamics in Schoharie Creek

David Gillikin, John Garver, Geology Department, Union College and John McKeeby, Schoharie River Center

P5 A Post Hurricane Irene Rapid Bioassessment of the Water Quality of the Schoharie Creek At Burtonsville

Mary Rachel Keville, Jacob Tanzman, Corrine Skala, Nick Marotta, Nick Lynch and John McKeeby, Schoharie River Center, Environmental Study Team

P6 Wind Erosion Control, Optimisation Based on Array and Density

Jason Krompart, Peter Nowell, Geography Department, University of Guelph

P7 Escaping Inundation: The Canoeing Adventure of a Lifetime

Elizabeth Morgan, Boy Scouts of America and Drew Pearson, Wildwood School

P8 Majors Floods of 2011 in New York

Thomas Suro, United States Geological Survey

P9 A Catalogue of Groups Working on Water Issues in Schenectady County

Mary Werner, Schenectady County Environmental Advisory Committee

P10 The Sedimentary Record of Mohawk River Floods Preserved in Collins Pond, Scotia NY, Confirmed by Hurricane Irene

John Farrell and Don Rodbell, Geology Department, Union College

Symposium Reception (Old Chapel) 5:30pm-6:30pm

Old Chapel is on the main part of the campus, limited parking near the building is available

Symposium Banquet (Old Chapel) 6:30pm - 8:30pm, registration and tickets required

Keynote Address - Responding to Disaster: Stories and lessons learned from the 2011 summer storms

Assemblyman Peter Lopez