

**THURSDAY May 15<sup>th</sup>**

---

8.20-8.30      Opening Remarks and Welcome                      Chris Thorncroft

**SESSION 1    A Review of NY State Extreme Rainfall Events and Climate  
Change Projections. (Chair: C. Thorncroft)**

8.30-9.00      Lance Bosart (University at Albany, SUNY)

*Tropical Cyclone-Related Heavy Rainfall in the Northeast*

9.00-9.30      Art DeGaetano (NOAA Northeast Regional Climate Center)

*100 years of the 100-year storm: New York Extreme Precipitation Past,  
Present and Future*

9.30-10.00    Ken Kunkle (NOAA National Climatic Data Center)

*Meteorological Factors Associated with Extreme Precipitation Trends in  
New York*

10.00-10.40    BREAK

10.40-11.10    Aiguo Dai (University at Albany, SUNY)

*Changing Precipitation Character: A Global and Northeast U.S.  
Perspective*

11.10-11.40    Minghua Zhang (Stony Brook University, SUNY)

*The prospect of sea-level rise along coasts of New York*

11.40-12.40    Discussion

**12.40-1.40      Lunch - Provided**

**SESSION 2 A Review of NY State Inland and Coastal Flooding.  
(Chair: Brian Colle)**

***Coastal***

1.40-2.10 Brian Colle (Stony Brook University, SUNY)

*Ensemble water level simulations of Sandy and future trends using CMIP5 data*

2.10-2.40 Philip Orton (Stevens Institute of Technology)

*Quantifying growing flood hazards and improving forecasts in the tidal waters of New York State*

2.40-3.10 Malcolm Bowman (Stony Brook University, SUNY)

*Survival Beyond Sandy: The Yawning Planning Gap for Metro New York Resilience and Protection*

3.10-3.50 BREAK

***Inland***

3.50-4.20 Keith Tidball (Cornell University)

*Vulnerability Assessment and Rapid Warning System Enhancements in Flood-prone Upstate NY River Watersheds*

4.20-4.50 Allan Frei (Hunter College, CUNY) and Adao Matonse (NYC Environmental Protection)

*Climatological Perspective on historical Extreme Hydrological Events, and potential impacts of climate change, in the Catskill Mountains and Hudson River Valley.*

4.50-5.50 Discussion

**Friday May 16<sup>th</sup>**

---

**SESSION 3 A Review of Operational Issues and the Observing System (Chair: Justin Minder)**

***Observing System and Special Projects***

8.30-8.50 Justin Minder (University at Albany, SUNY)

*An overview of Quantitative Precipitation Estimation (QPE) methods: Current status and future directions*

8.50-9.20 Chris Thorncroft and Everette Joseph (University at Albany, SUNY)

*Overview of the NY State Mesonet Project*

9.20-9.50 Ward Freeman (USGS)

*USGS hydrologic monitoring, flood/surge documentation, and development of an integrated surge, wave, and tide hydrodynamics network.*

9.50-10.20 Howard Goebel (NYS Canal Corporation)

*New York State Canal Corporation Flood Warning and Optimization System*

10.20-10.50 BREAK

***Operational Issues and Modelling***

10.50-11.20 Ray O'Keefe (National Weather Service, Albany)

*Extreme Weather and Flooding: National Weather Service Forecast Office Perspectives*

11.20-11.50 Roy Rasmussen (NCAR)

*High Resolution WRF Simulation of an Extreme Winter Storm (Blizzard) in Colorado in a Current and Future Climate*

11.50-12.10 Ryan Torn (University at Albany, SUNY)

*An overview of the NOAA High Resolution Rapid Refresh (HRRR)*

12.10-12.40 Edward Capone (Northeast River Forecast Center)

*NERFC and Recent Flood issues/experiences.*

12.40-1.10 James Porter and Adao Matonse (NYC Environmental Protection)

*The challenge of extreme hydrological events for NYC water supply operations*

1.10-2.10 Lunch

#### **SESSION 4**

2.10-4.00 Discussion

4.00 CLOSE