

LANCE BOSART SYMPOSIUM

Friday 19th April

Locations: D'Ambra Auditorium, Life Sciences Research Building (8:15-2:20);
DAES ES241 and Maproom, Earth Science Building Rooms 241 and
333 (2:30-4:40)

8.15-8.30 **WELCOME AND OPENING REMARKS**

Chris Thorncroft
Dean Edelgard Wulfert

I. Synoptic Weather (Chair Chris Thorncroft)

8.30-9.00 ***Paul Kocin***

NOAA/NCEP, College Park, MD

Northeast Winter Storms during the Current Lance Bosart Era

9.00-9.30 ***Mel Shapiro***

NCAR, Boulder, CO

The life cycle of extratropical and tropical cyclones: ERICA-IOP-4
and Hurricane Sandy.

9.30-10.00 ***Tiruvallam Krishnamurti***

***Dept. of Earth, Ocean, and Atm. Science, Florida State Univ.,
Tallahassee, FL***

Stratocumulus, Towering Cumulus during Undisturbed Weather
and Heavy Orographic rains with possible Geo-Engineering
Applications

10.00-10.30 **BREAK**

II. Mesoscale Weather (Chair Dan Keyser)

10.30-10.50 ***Fuqing Zhang***

***Department of Meteorology, Penn State University, University
Park, PA***

Weather Significant Mesoscale Gravity Waves

10.50-11.10 ***John Brown***

NOAA/ESRL, Boulder, CO

Convection-permitting NWP: The High Resolution Rapid Refresh
(HRRR)

11.10-11.30 ***Richard Johnson***

***Department of Atmospheric Science, Colorado State Univ., Ft.
Collins, CO***

Mesoscale Convective Processes: A tribute to Lance

11.30-11.50 **Alicia Wasula**
Hudson Valley Community College, Troy, NY
Mesoscale Analysis: The Devil's in the Details

12.00-1.00 **LUNCH (provided)**

III. Weather and Education (Chair Mike Landin)

1.00-1.20 **Eric Hoffman**
Dept. of Atm. Science & Chemistry, Plymouth State Univ.,
Plymouth, NH
15 Years of Surface Potential Temperature Analyses: Fronts and Frontal Analysis from a Classroom Perspective.

1.20-1.40 **Teresa Bals-Elsholz**
Department of Geography and Meteorology, Valparaiso Univ.,
Valparaiso, IN
Maps: Getting the answer more than one way through theory and application

1.40-2.00 **Fred Carr**
School of Meteorology, University of Oklahoma
Lance: Researcher, Educator, Mentor, Weather Wienie - All in the Same

2.00-2.20 **George Chen**
National Taiwan University, Taipei, Taiwan
Comments on graduate school at Albany

2.30-3.00 ***BREAK AND MOVE TO DEPARTMENT (Earth Science 241)***
Refreshments will be available in ES223

Chair Chris Thorncroft

3.00-3.20 **Gary Lackmann**
Dept. of Marine, Earth and Atmospheric Sciences, North
Carolina State University, Raleigh, NC
Weather and Educational Inspiration

3.20-3.40 **Lance Bosart**
Department of Atmospheric and Environmental Sciences,
University at Albany, NY
Map Discussions and MPEX: How Weather Informs Science

Group A

3.45-4.15 **In Map Room**
Ross Lazear, Kristen Corbosiero and Heather Archambault with inputs from Lance Bosart and the audience!
Map Discussion

4.20-4.50 **In ES241**
Chris Thorncroft
Department of Atmospheric and Environmental Sciences, University at Albany, NY
Recent Developments and Future Plans for the Department

Group B

3.45-4.15 **In ES241**
Chris Thorncroft
Department of Atmospheric and Environmental Sciences, University at Albany, NY
Recent Developments and Future Plans for the Department

4.20-4.50 **In Map Room**
Ross Lazear, Brian Tang and Alan Srock with inputs from Lance Bosart and the audience!
Map Discussion

Saturday 20th April

Locations: D'Ambra Auditorium, Life Sciences Research Building (8:50-4:00)
Holiday Inn, 205 Wolf Road, Albany NY 12205 (6:00 – end)

IV. Mesoscale Convection (Chair Kristen Corbosiero)

8.50-9.10 **Nick Metz**
Dept. of Geoscience, Hobart and William Smith Colleges,
Geneva, NY
Upstream Impacts on Great Lakes Convection: Linking Weather
Across Space and Scale

V. Forecasting and NWP (Chair Kristen Corbosiero)

9.10-9.30 **Michael Morgan**
Division of Atmospheric and Geospace Sciences, National
Science Foundation, Arlington, VA
Emergence of balance in adjoint forecast sensitivities

9.30-9.50 **Dave Novak**
NOAA/NCEP, College Park, MD
The Forecaster's Advocate: Lance's Contributions to Addressing
Critical Forecast Challenges

9.50-10.10 **Eric Rogers**
NOAA/NCEP, College Park, MD
The NCEP Numerical Modeling Suite: Overview and Planned
Evolution from 2013-2018

10.10-10.40 **BREAK**

VI. Tropical-Extratropical Interactions (Chair John Molinari)

10.40-11.00 **John Gyakum**
Atmospheric and Oceanic Sciences, McGill University,
Montreal, QC, Canada
The extratropical transition and its association with extreme rainfall
in eastern North America

11.00-11.20 **Ron McTaggart-Cowan**
Canadian Meteorological Centre, Dorval, QC, Canada
Baroclinic influences on TC development

- 11.20-11.40 **Heather Archambault**
**Department of Meteorology, Naval Postgraduate School,
Monterey, CA**
Dynamics and predictability of the extratropical flow response to
tropical cyclone recurvature
- 11.40-12.00 **George Kiladis**
NOAA/ESRL, Boulder, CO
Tropical-extratropical interaction and the wintertime climatological
ITCZ precipitation maximum over the east Pacific
- 12.00-1.00 **LUNCH (provided)**

VII. Climate and Large-Scale Dynamics (Chair Brian Tang)

- 1.00-1.20 **Anton Seimon**
**Dept. of Geography and Planning, Appalachian State Univ.,
Boone, NC**
Improved Understanding of Precipitation Delivery as a
Pathway Towards Decoding Climatological Signals Preserved
in Low-Latitude Ice Cores
- 1.20-1.40 **Rick Rosen**
NOAA Climate Program Office, Silver Spring, MD
Toward a Climate-Smart Nation
- 1.40-2.00 **Steve Colucci**
**Department of Earth and Atmospheric Sciences, Cornell Univ.,
Ithaca, NY**
Tropospheric Blocking with and without Stratospheric Warming
- 2.00-2.20 **John Nielsen-Gammon**
**Department of Atmospheric Sciences, Texas A&M University,
College Station, TX**
Texas: Intense Rain Alternating With Intense Lack of Rain
- 2.20-2.50 **BREAK**

VIII. Weather-Climate Interface (Chair Chris Thorncroft)

- 2.50-3.10 **Jay Cordeira**
 EarthRisk Technologies Inc., San Diego, CA
 The Role of Synoptic-Scale Water Vapor Transport in Weather and
 Climate
- 3.10-3.30 **Josh Darr**
 Chesapeake Energy, Chicago, IL
 Intraseasonal Forecasting Using Tropospheric/Stratospheric
 Connections for Early Winter Temperatures Trends

IX. Some Final Perspectives (Chair Chris Thorncroft)

- 3.30-3.50 **Bob Hart and Joshua H. Cossuth**
 Dept. of Earth, Ocean, and Atm. Science, Florida State Univ.,
 Tallahassee, FL
 An Academic Family Tree (Genealogy) of the Meteorology
 Community and a Perspective on Lance Bosart's Branch
- 3.50-4.00 **Chris Thorncroft**
 Dept. of Atmospheric and Environmental Sciences, UAlbany,
 Albany, NY
 Final Comments
- 4.00 **Adjourn; travel to Holiday Inn, 205 Wolf Rd., Albany, NY 12205**
- 6.00 **Cocktails at the Holiday Inn (Cash bar)**
- 7.00 **Banquet Dinner at the Holiday Inn**