

SECAPS AGENDA

John Counts Room – Mitchell Center
University of South Alabama

Friday, March 26, 2004

- 6:00 pm – 6:30 pm HURRICANES: HUMAN AND ECONOMIC IMPACT
*Dr. Hugh Willoughby – International Research Center,
Florida International University*
- 6:30 pm – 7:00 pm COLLABORATION BETWEEN THE NATIONAL
WEATHER SERVICE AND A LOCAL UNIVERSITY
Jeffrey Medlin – SOO, NWSFO Mobile, AL
- 7:00 pm – 7:30 pm WFO HUNTSVILLE – A 21ST CENTURY NATIONAL
WEATHER SERVICE OFFICE
John Gordon – MIC, NWSFO Huntsville, AL
- 8:30 pm – 10:00 pm SECAPS RECEPTION AND USA METEOROLOGY
ALUMNI REUNION

Saturday, March 27, 2004

- 7:30 am – 8:30 am On-site registration/Coffee and Pastries
- 8:30 am – 8:40 am Welcome

Public Session

- 8:40 am – 9:05 am HURRICANE HUNTERS MISSIONS AND THE 2003
HURRICANE SEASON
John Gordon, Keesler Air Force Base, Biloxi, MS
- 9:05 am – 9:30 am LEGAL ISSUES RELATED TO ROBINSON ISLAND
DEVELOPMENT, A GEOLOGICAL PERSPECTIVE
*Dr. David Allison, Professor of Geology, University of
South Alabama*
- 9:55 am – 10:20 am HAZUZ-MH: A GIS-BASED RISK ASSESSMENT AND
LOSS ESTIMATION TOOL
*John Kilcullen, Plans and Operations Officer I
Mobile County Emergency Management Agency*

10:20 am – 10:30 am

Break

10:30 am – 10:55 am

DVD CATALOG OF TROPICAL WEATHER EVENTS
USING RADAR AND SATELLITE IMAGERY
Donovan Landreneau, NWSFO Lake Charles, LA

10:55 am – 11:20 am

PROBLEMS WITH HURRICANE FORECASTING
*Dr. Keith Blackwell, Associate Professor of Meteorology,
University of South Alabama*

11:20 am – 1:00 pm

LUNCH (On Your Own)

Technical Session

1:00 pm – 1:25 pm

SUBSIDENCE OF THE LOUISIANA, MISSISSIPPI,
AND ALABAMA COAST AND THE ON-GOING
“SLOW” DISASTER OF OUR COAST
*Dr. Roy K. Dokka, Louisiana Spatial Reference Center,
Center for GeoInformatics and Department of Civil and
Environmental Engineering, Louisiana State University*

1:25 pm – 1:50 pm

ON THE DESIGN OF COASTAL URBAN MESONETS –
CONCEPTS, PRACTICES, AND EXPERIENCES FROM
OUR MIAMI REALM PROJECT
*Dr. Paul Ruscher, Associate Professor and Assistant Chair,
Department of Meteorology, Florida State University*

1:50 pm – 2:15 pm

ECOLOGICAL IMPACTS OF CAUSEWAY
CONSTRUCTION
*Dr. Mimi Fearn, Associate Professor of Geography,
University of South Alabama*

2:15 pm – 2:45 pm

Poster Session and Break

Posters

Impacts of Land Use on Landfalling Model Hurricanes
Robert J. Barbre' - University of South Alabama

A Comparison of Thermodynamic Variables Associated
with Gulf Coast Wet Microburst Events
*Jack Cullen, National Weather Service, Mobile, AL
University of South Alabama*

Posters Cont.

Multi-scale Analysis of the 13 October 2001 Central Gulf Coast Shallow Supercell Tornado Outbreak

Dan Darbe - National Weather Service, Mobile, AL

Jeffrey M. Medlin - National Weather Service, Mobile, AL

The Sensitivity of Eight Model Hurricanes to Initial Atmospheric Moisture

Christopher A. Dyke – University of South Alabama

MVERIFY

David Eversole - National Weather Service, Mobile, AL

Developing a Local Area Mesonet for the National Weather Service in Mobile

Jeffrey F. Garmon - National Weather Service, Mobile, AL

An Analysis of Lightning Related Injuries and Deaths in Florida and Texas

Erica Hay – University of South Alabama

Cold Season Fog Events

Joe Maniscalco – National Weather Service, Mobile, AL

2:45 pm – 3:10 pm

HURRICANE HYPE

Alan Sealls – Chief Meteorologist, WKRK TV 5, Mobile, AL

3:10 pm – 3:35 pm

A NEW PARAMETRIC MODEL OF HURRICANE WIND PROFILES

Dr. Hugh Willoughby – International Hurricane Research Center, Florida International University

3:35 pm – 4:00 pm

INFLOW LAYER THERMODYNAMICS OF EIGHT LANDFALLING MODEL HURRICANES

Dr. Sytske Kimball, Assistant Professor of Meteorology, University of South Alabama

4:00 pm – 4:25 pm

DEVELOPING A MOS REGRESSION EQUATION FOR PREDICTING SUMMERTIME THUNDERSTORM COVERAGE USING MESOSCALE PREDICTORS

Jeffrey Medlin – SOO, NWSFO Mobile, AL

4:25 pm – 4:30 pm

Closing Remarks