

Severe Storm Prediction, Education and Evacuation from Disasters

Symposium Theme:

Experts from academic, public, and private sectors will discuss technical, social, and economic issues associated with tropical storms and hurricanes in Gulf Coast communities. This conference is a follow up to the March 2006 conference at Rice University on "Severe Storms Impact and Disaster Response".

Day One: May 8, 2007

12:00	13:00	Registration	
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13:00	13:15	Walter Chapman	Rice University	Welcome
13:15	13:45	Robert Harriss	Houston Advanced Research Center	Keynote: Gaming Disasters: Ready or Not?

I. Flood Prediction & Flood Alert

13:45	14:00	Philip Bedient	Rice University	The Future of Flood Prediction in Coastal Areas
14:00	14:15	Dave Schwertz	NOAA	NWS, HCFC, HCOEM Are We Unique???
14:15	14:30	Jeff Lindner	HCFC	

II. Advanced Technology & GIS

14:30	14:45	Baxter Vieux	University of Oklahoma	Warning and Information Systems for Flood Vulnerability Evaluation and Risk Reduction
14:45	15:00	James Thompson	TCB	Advanced Urban Design Techniques in Flood Damage Reduction
15:00	15:15	Andy Yung	Dodson & Associates Inc.	Mapping Flooding in Real Time

15:15	15:30	BREAK	
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III. Land Use in the Coastal Zone

15:30	15:45	Francisco Olivera	Texas A&M University	Land use change in the Whiteoak Bayou watershed from 1950 to 2000 and its effect on runoff and peak flows
15:45	16:00	Bill Seitz	Texas A&M-Galveston	Tools for Coastal Community Planning
16:00	16:15	Bill Merrell	Texas A&M-Galveston	Origin, Distribution and Timing of Hurricanes Hitting Texas

IV. Evacuation Planning in Texas

16:15	16:30	George Qiao	Texas Southern University	Microscope Simulation for Optimal Evacuation Plans in the Texas Medical Center
16:30	16:45	Sharon Boxill	Texas Southern University	Wireless Communication Use in Emergency Response
16:45	17:00	Alan Clark	Houston Galveston Area Council	Houston-Galveston Area Planning: State/Local Government Response

Day Two: May 9, 2007

8:00	8:30	Registration	
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8:30	8:45	Baxter Vieux	University of Oklahoma	Welcome
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V. Evacuation Planning from Disaster

8:45	9:05	Philip Bedient	Rice University	SSPEED Center (Severe Storm Prediction, Education and Evacuation from Disaster)
9:05	9:30	Brian Wolshon	Louisiana State University	Micro-scale Multimodal Transportation Modeling for Regional Hurricane Evacuation

VI. Impacts on the Gulf Coast

9:30	9:50	John Pardue	Louisiana State University	Environmental Impacts of Debris and Rebuilding Post-Katrina
9:50	10:10	Jill Hasling	Weather Research Center, Inc.	Tropical Storms and Hurricanes along the Gulf Coast: Past, Present and Future
10:10	10:30	Hanadi Rifai	University of Houston	Environmental and Infrastructure Impacts along the Gulf Coast in Texas

10:30	10:45	BREAK	
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VII. Coastal Surge Modeling & Impacts

10:45	11:05	Hassan Mashriqui	Louisiana State University	Hurricane Pam Simulation and Lessons Learned
11:05	11:25	Randy Kolar	University of Oklahoma	Hurricane Storm Surge Modeling for Southern Louisiana with the ADCIRC Hydrodynamic Model
11:25	11:45	Barry Keim	Louisiana State University	Spatio-Temporal Patterns of Tropical Storm and Hurricane Strikes from Texas to Maine

11:45	13:00	LUNCH	
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13:00	13:15	Sallie Keller-McNulty	Rice University	Welcome
13:15	13:45	Marc Levitan	Louisiana State University	Keynote: New Developments in Hurricane Sheltering and their Potential to Reduce Evacuation Demand.

VIII. Critical Facility Needs

13:45	14:05	Jim Sindelar	Texas Medical Center	Allison Recovery Issues at the Texas Medical Center
14:05	14:25	Charles Penland	Walter P. Moore	How are Flood Alert Systems beneficial? Why have a Flood Alert System?
14:25	14:45	Cathlyn Newell	SOM Foundation Fellow	Site Amplification: Anxiously Awaiting a Storm

IX. Flood Inundations Zones and Floodplains

14:45	15:05	Jude Benavides	UT-Brownsville	Floodplain Delineation and Flood Risk Assessment in South Texas
15:05	15:25	Bart Standley	Michael Baker Corporation	Louisiana recovery and mapping effort resulting from the Katrina/Rita disasters

15:25	15:40	BREAK	
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X. Education & Societal Outreach

15:40	16:00	Jim Granato	University of Houston	Securing a Coordinated Public Response During Emergency Evacuations
16:00	16:20	Robert Stein	Rice University	The Human Side of Evacuations: Hurricane Rita
16:20	16:40	Rick Wilson	Rice University	The Human Side of Evacuations: Hurricane Katrina
16:40	17:00	Philip Bedient	Rice University	Closing Comments

Short Courses : May 10, 2007

I. Short Course

8:00	12:00	Matt Zeve	Dodson & Associates Inc.	Introduction to HEC-RAS: Fluid Mechanics without a Wrench
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II. Short Course

13:00	17:00	Baxter Vieux	University of Oklahoma	Radar rainfall and runoff monitoring for stormwater management
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