

Final Program

8:30 a.m. Welcome Remarks

C. Vipulanandan (Vipu), Professor and Director of THC-IT, University of Houston

B. Callegari, State Representative, District 132, Katy, Texas

Session I: (8:40 a.m. to 9:50 a.m.) General Session

Moderator: C. Vipulanandan, Professor of Civil Engineering, University of Houston, Houston, Texas

Stephen Costello "Hurricane and Flooding Related Challenges in Houston" City Council Member, City of Houston, Houston, Texas (Keynote Speaker);

Judge Ed Emmett, "Harris County Challenges and Lessons Learned, County Judge, Harris County, Houston, Texas (Keynote Speaker);

Jack Steele, "HGAC Regional Preparedness and Related Issues," Executive Director, Houston Galveston Area Council, Houston, Texas (Keynote Speaker);

"Hurricane Risk Assessment for Coastal Louisiana and the Northern Gulf of Mexico: The Need for a Long-term Perspective", **Kam-biu Liu** Professor, Louisiana State University. Baton Rouge, Louisiana.

9:50 – 10:15 a.m. Coffee Break (Exhibit Area)

Session II: (10:15 a.m. to 12:00 noon)

Panel 1: Emergency Management Issues and Recovery

Moderator: Trent Slovak, Vice President, KIT Professionals Inc, Houston, Texas..

Panelist (15 to 20 min. presentations)

"Major City Emergency Management Issues" **Sharon A. Nalls**, Assistant Director, Emergency Management Coordinator, Houston, Texas.

"Coastal County Challenges and Preparedness" **David Popoff**, Director, Galveston County Emergency Management, Galveston, Texas.

"TCEQ's role in Hurricane Response", **Kelly Cook**, Homeland Security Coordinator, Texas Commission on Environmental Quality, Austin, Texas;

“Lessons Learned from the 2011 Joplin, MO and Alabama Tornadoes,” Samuel Rosania, Vice President Arcadis-US, Inc., Tampa, Florida.

Panel Discussion: Challenges in Preparedness and Recovery

Panel 2: Technological Advancements and Disaster Issues

Moderator: Gino Lim, Chairman and Associate Professor Industrial Engineering, University of Houston, Houston, Texas.

Panelist (15 to 25 min. presentations)

Tropical Cyclone Surface Wind and Wind-Driven Rain and their Effect on Human Perception and the Built Environment, Forrest Masters, Department of Civil and Coastal Engineering, University of Florida, Gainesville, Florida;

Trends in Coastal Hazards and Responses, Thomas Richardson, Deputy Director, Center of Excellence, Analysis and Response for Coastal Hazards- Jackson State University, Jackson, Mississippi.

Hurricane Ike Monitored with Satellite Radar Altimetry, Hyongki Lee, Geosensing Program, University of Houston, Houston, Texas.

Panel Discussion: Technology Transfer Issues and Major Disaster Recovery

Lunch Break, Exhibition & Research Posters

Posters on research at **Various Universities along the Gulf Coast Region.**
Companies participate in the **Exhibition.**

12:30 p.m. to 1:00 p.m. Nim Kidd "Disaster Related Challenges in Texas" Chief of Emergency Management, Austin, Texas (Keynote Speaker);

Session III: (1:00 p.m. to 2:30 p.m.)

Panel 3 : Coastal Protection and Modeling

Moderator: C. Vipulanandan, University of Houston, Houston, Texas.

Panelist (15-20 min. presentations)

The Effect of Mangroves on Storm Surge Flooding, Keqi Zhang, Professor, Florida International University, Miami, Florida.

The Ike Dike: a Coastal Barrier Protecting the Houston/Galveston Region from Hurricane Storm Surge, William Merrell, Professor, Texas A & M University, Galveston, Texas.

Coastal Protection Systems and Hurricane IKE Storm Surge Modeling Using ADCIRC, C. Vipulanandan, Professor, University of Houston, Houston, Texas.

Panel Discussion: Coastal Protection Issues and Modeling.

Panel 4: Lessons Learned and Other Disaster Issues

Moderator: Rafael Ortega, Vice President, LAN, Houston, Texas.

Housing Recovery and Resilience: Post-Disaster Housing Recovery in Coastal Communities, Gavin Smith, University of North Carolina at Chapel Hill, & Deanna Schmidt and Kathy Garland, University of Houston, Clear Lake.

Predictive Models for Evaluating Operational Performance of Hurricane Evacuation Strategies, P. Songchitruksa, Texas Transportation Institute, College Station, Texas.

Blast Modeling and Case Studies, A. Parihar, KBR Engineering, Houston, Texas.

Panel Discussion: Lessons Learned and Loss Mitigation

RECEPTION: (2:30 - 3:30 p.m.)

Reception will be held in the Exhibit area (food and drinks). In addition to conference participants, number of city, county and industrial leaders will be invited to participate. This is a good opportunity to network and number of door prizes is waiting for you.

Professional Development Hours (PDH)

Earn up to 5 hours of PDH by attending the conference. Certificates will be issued after the conference.