

HURRICANES, MAJOR DISASTERS, COASTAL PROTECTION AND RAPID RECOVERY IN TEXAS AND GULF COAST REGION

Final Program- THC 2018 (August 3, 2018)

Session I: (8:30 a.m. to 9:45 a.m.) General Session

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

Chuck Wemple, “Together Against The Weather – Preparing Our Region For The Next Storm,” Executive Director, Houston Galveston Area Council, Houston, Texas, Keynote Speaker.

David Casebeer, "Managing Storm Impacts at Port Houston," Project Manager, Port Houston, Houston, Texas, Keynote Speaker

Niel Golightly, "Perspective on Houston Resilience," Chief of Staff to the Recovery Office, City of Houston, Houston, Texas, Keynote Speaker

9:45 – 10:00 a.m. Coffee Break (Exhibit Area)

Session II: (10:00 a.m. to 11:45 a.m.)

Panel 1: Inland Flooding Issues and Recovery

Moderator: Rafael Ortega, Aurora Technical Services, Houston, Texas.

Ataul Hannan, “Importance of HCFCD’s Near Real Time Mapping Program During Disasters,” Director Planning Division, HCFCD, Houston, Texas;

Michelle Havelka, “TCEQ Response to Hurricane Harvey”, Homeland Security Coordinator, Texas Commission on Environmental Quality, Austin, Texas;

Post Storm Events –Design and Modeling, **Derek St. John**, Principal, Gauge Engineering, Houston, Texas.

Experience and Recovery in Humble School District, **Roger Brown and Jamie Mount**, Public Communication Director, Humble School District, Kingwood, Texas

Panel Discussion: Major Flooding and Recovery

Panel 2: Coastal Protection and Emergency Response Issues

Moderator: Daniel Wong, Tolunay-Wong Engineers, Houston, Texas.

Dianna Ramirez and Caroline McCabe (USACE), “Coastal Texas Protection and Restoration Study: Coastal Storm Risk Management and Ecosystem Restoration Needs for More Resilient Texas Coast,” Senior Coastal Biologist, Texas General Land Office, Austin, Texas.

Emergency Responses by ExxonMobil to Hurricanes Harvey and Irma, **Brian Hansen**, ExxonMobil, Spring, Texas.

Jamila Johnson, “City of Houston Post Harvey Regulatory Changes-Floodplain, Storm water and Building Codes,” Infrastructure Policy Manager, City of Houston, Houston, Texas.

Molley Villarreal, “Advice to Water Utilities Operators Whose Disaster Response Plans Were Washed Down The River,” Engineer, City of Beaumont, Beaumont, Texas.

Panel Discussion: Challenges in Coastal protection and Emergency Response

Lunch Break, Exhibition & Research Posters

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

12:40 to 12:55 p.m. State Representative, Dennis Paul, “Updates on Issues Related to Disaster Protection and Recovery ” State of Texas Representative-District No. 129, Seabrook, Texas.

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

Panel 3 : Coastal Modeling and Lessons Learned from Hurricane Harvey

Moderator: C. Vipulanandan, Houston, Texas.

Working Towards a Texas Preferred Plan for the Ike Dike/Coastal Spine, William Merrell, Leonard Waterworth, Samuel Brody, and Cherie Coffman Texas A & M University, Galveston, Texas.

Suppression of Hurricane Surge Forerunner and Peak Surge in Galveston and West Bays Achieved with a Western Segment of the Coastal Spine, Bruce Ebersole, Thomas Richardson, and Robert Whalin, Jackson State University, Jackson, Mississippi

Hurricane Harvey Survey and Lessons Learned, C. Vipulanandan, University of Houston, and **S. Parameswaran,** Texas Tech University, Lubbock, Texas.

Panel Discussion: Coastal Protection Issues and Harvey Lessons Learned.

Panel 4: Hurricane Issues and Technology Advances

Moderator: Moderator: Michael Lacy, P.E., Vice President, KIT Professional Inc., Houston, Texas.

FEMA’s Public Assistance Program Implementation in the 2017 Hurricane Season: Observations and Lessons Learned, Jason McCright, Senior Consultant, Rostan Solutions LLC, Valrico, Florida.

Railtrack Geometry Reliability Model Based on Physics of Failure, Oluseyc Fafiolu, Jeeyoung Cho and H. Maryam, Lamar University, Beaumont, Texas.

Application of Drones for Delivery of Emergency items to Victims of Disasters, Maryam Torabbeigi, Gino Lim and Seon Kim, University of Houston, Houston, Texas.

Panel Discussion: Potential Applications of New Technologies

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.