

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

THC - 2018
10th Annual Conference



Texas Hurricane Center
for Innovative Technology

<http://hurricane.egr.uh.edu>

Conference and Exhibition
Sponsored by

**Texas Hurricane Center for Innovative
Technology (THC-IT)
&
Civil and Environmental Engineering
Industrial Engineering
University of Houston**

August 3, 2018

University Hilton
University of Houston
Houston, Texas 77204-3902

Conference Registration

The Conference is presented in a one day concentrated format to update the community, emergency managers and suppliers who play an important role in hurricane and other disaster preparedness, loss mitigation and rapid recovery. Well known and influential speakers will provide valuable information to the conference attendees. Complete and return the registration form with the registration fee before July 27, 2018 for an advanced registration discount. Registration fee includes admission, lunch, coffee breaks, and free hotel parking. Registration and attendance will be limited to the first 150 registrants.

For Hotel Reservations call (832) 531-6300 or 1-866-327-1161 and ask for Hurricane and Other Disaster Conference Rate.

Top Reasons To Attend:

- (1) Be informed about the latest plans and procedures in preparing for hurricanes and other major disasters in number of major Gulf coast cities.
- (2) Network with state, city and county emergency managers, engineers, suppliers, consultants, researchers, educators, scientists, students and exhibitors.
- (3) Presentations include hurricane Harvey experiences, debris management, preparedness, loss mitigation, evacuation, coastal protection, transportation issues, rapid recovery and new technologies that could influence your operations.
- (4) View research posters from many Gulf Coast Universities and attend the reception.
- (5) Houston is easily accessible from anywhere in the U.S.

For conference information or to reserve exhibition spaces call **Dr. Vipul** at (713) 743-4278.

REGISTRATION

Advanced Registration (by 7/27/2018)	\$150.00
At-Door Registration	\$165.00
Student Registration*	\$ 85.00

Exhibitor^	\$300.00
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(A reception is planned in the exhibit area)

^One person has free registration

*Current I.D. and School Registration;

Please make check payable to THC-IT/UH
and mail it to:

Conference Registration

THC-IT/Dept. C&EE

University of Houston

Houston, TX 77204-4003

(Attn: Dr. C. Vipulanandan (Vipu))

Name _____

Nick Name _____

Company _____

Address _____

City _____ State/Zip _____

Phone _____

Fax _____

Email _____

Contact Person _____

(office use only)

For more information

Phone: (713) 743-4278; Fax: (713) 743-4260

Email: CVipulanandan@uh.edu

About the Conference

A one day Conference and Exhibition is being organized by the Texas Hurricane Center for Innovative Technology (THC-IT) on "Hurricanes, Major Disasters, Coastal Protection and Rapid Recovery in Texas and Gulf Coast Region" at the University of Houston on August 3, 2018. The presentations will include current preparation plans for the entire Gulf Coast including Texas counties and cities for the 2018 hurricane season and other disasters. Special feature of this conference is the four panel discussions on hurricane issues, other disasters, coastal protection and debris management. After the technical sessions, a reception will be held starting at 2:30 p.m. with invited state, city, county and industry leaders in the exhibit area to facilitate networking. The conference fee also includes lunch, coffee breaks, reception and parking. Earn 5 PDH by attending the entire conference.

List of Distinguished Speakers

Session I: (8:00 a.m. to 9:45 a.m.)

Chuck Wemple, "HGAC Regional Preparedness and Related Issues," Chief Operations Officer, Houston Galveston Area Council, Houston, Texas, Keynote Speaker.

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

Michael deMasi, "U.S. Army Supporting Responses and Recovery to Disasters," Chief Emergency Manager, USACE-Dallas District, Dallas, Texas, Keynote Speaker

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

Session II: (10:00 a.m. to 11:30 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**, Vice President, Lockwood Andrew and Newnam, Houston, Texas.

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

Panel 2: Coastal Protection and Emergency Response Issues

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

Dianna Ramirez, "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.

Kathlie S. Jeng-Bulloch, "Residential Storm Damage and Repair Work," Managing Engineer, City of Houston, Houston, Texas.

Molley Villarreal, "Hurricane Harvey Experience in Beaumont," Engineer, City of Beaumont, Beaumont, Texas.

Lunch Break, Exhibition & Research Posters

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

12:15 to 12:30 p.m. State Representative, Dennis Paul, "Updates on Issues Related to Disaster Protection and Recovery " State of Texas Representative-District No. 129, Seabrook, Texas.

12:30 p.m. to 1:00 p.m. Nim Kidd, Disaster Related Challenges in Texas" State Coordinator, Texas Department of Emergency Management, Austin, 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.

Surge Suppression Achieved by Different Coastal Spine (Ike Dike) Alignments, **Bruce Ebersole, Thomas Richardson, and Robert Whalin**, Jackson State University, Jackson, Mississippi

The Status of the Ike Dike/Coastal Spine, **William Merrell, Leonard Waterworth, Samuel Brody, and Cherie Coffman** Texas A & M University, Galveston, Texas.

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

Panel 4: Airports Management and Advance Technologies

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

Frank Ciaccio, "Post Harvey at Houston Airports," Emergency Management Coordinator, City of Houston, Houston, Texas.

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

Drones and Evacuation Planning and Management, **Gino Lim and Seon Kim**, University of Houston, Houston, Texas.

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

A reception will be held in the Exhibit area (food and drinks). In addition to conference participants, number of cities, counties and industrial leaders will be invited to participate. This is a good opportunity to network and several of door prizes are 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.

"Innovation through Research and Education"