

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

THC - 2020
12th 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 7, 2020

***ONLINE CONFERENCE**

University of Houston
Houston, Texas 77204-4003

Conference Registration

The Conference presentations will be online format to update the community, emergency managers, owners, transportation and medical providers, businesses, educators and food suppliers who play an important role related to preparedness, loss mitigation and rapid recovery during hurricanes and other major disasters. Also the impact of COVID-19 virus in the planned activities will be discussed. Well known and influential speakers will provide valuable information to the conference attendees. Complete and return the registration form with the registration fee before August 3, 2020 for an advanced registration discount. **Also email Dr. Vipu about your registration to coordinate the online conference.** This will be the first online conference organized by the Texas Hurricane Center for Innovate Technology (THC-IT).

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 with the COVID-19 virus impact.
- (2) Presentations include COVID-19 virus impact, hurricane experiences, debris management, preparedness, loss mitigation, evacuation, coastal protection, transportation issues, rapid recovery and new technologies that could influence your operations.
- (3) Provide 3.5 PDH certificate for attending the online conference.
- (4) Online conference will be easily accessible from anywhere in the U.S.

For conference information call or email **Dr. Vipu** at (713) 743-4278.

REGISTRATION

Advanced Registration (by 8/03/2020)	\$ 50.00
Late Registration	\$ 60.00
Student Registration*	\$ 25.00

*Current School Registration;

Please make check payable to THC-IT/UH

and mail it to:

Conference Registration

THC-IT/Dept. C&EE

University of Houston

4726 Calhoun Road

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

The 12th annual conference 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" is on August 7, 2020. This will be an online conference based on the current conditions. The COVID-19 virus has impacted the entire world in the past six months. It has impacted the industries, businesses, travelling and educational programs. Also the guidelines, rules and regulations have not only impacted the individual but also the families, communities and the countries economically. Also the disaster responses and rapid recovery has become a major challenge. In the United States many coastal cities including Gulf of Mexico cities have been impacted by the COVID-19. Also the virus has impacted the medical field and the resources available to accommodate the number of sick patients have limits. This could really impact the future evacuation due to hurricanes and flooding disasters.

The presentations will include current preparation plans for the entire Gulf Coast including Texas counties and cities for the 2020 hurricane season with the COVID-19 virus and other disasters. Special feature of this conference will be the discussions on hurricane issues, other disasters, coastal protection and debris management with the COVID-19 virus impacts. Also the disaster responses related to past experiences will be discussed.

Earn 3.5 PDH by attending the entire conference.

List of Distinguished Speakers Session I: (9:00 a.m. to 10:15 a.m.)

General Session

Charles Wemple, "Suddenly We Feel Boundaries – A New Dialogue about Loss, Hope, and Building a Stronger Region after Harvey," Executive Director, Houston Galveston Area Council, Houston, Texas, Keynote Speaker.

Alicia Rea, "U.S. Army Supporting Responses and Recovery to Disasters," Director Emergency Manager, USACE-Galveston, Galveston, Texas, Keynote Speaker

Kalyn Scott, "Building Resiliency in Texas: Program Status and Mitigation," Trainer-Community Development & Revitalization, Texas General Land Office, Austin, Texas, Keynote Speaker

Network Discussion: Major Planning Issues

Session II: (10:15 a.m. to 11:30 a.m.)

Inland Flooding Issues and Emergency Response

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

Ataul Hannan, "HCFCD Walking Towards Resilient Community," Director Planning Division, HCFCD, Houston, Texas;

Mark Wooldridge, "TxDOT Plans for Storm Response," Emergency Manager, TxDOT, Houston, Texas.

Jamila Johnson, "Houston Public Works Storm Water Management Update," Infrastructure Policy Manager, City of Houston, Houston, Texas.

Network Discussion: Major Recovery Issues

Session III: (11:30 p.m. to 12:45 p.m.)

New Technologies and Lessons Learned

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

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

Application of Data Science to Wind Energy, Siva Parameswaran, Texas Tech University, Lubbock, Texas.

A Novel Optimization Framework for Chemical Tanker Operations, Jaeyoung Cho, Prairie View A&M University, Prairie View, Texas.

Impact of COVID-19 on the Disaster Management and Rapid Recovery Plans, C. Vipulanandan, University of Houston, Houston, Texas.

Network Discussion: Major Technology Issues

Discussion and Networking

During the short breaks there can be questions and discussions between the attendees.

Professional Development Hours (PDH)

Earn up to 3.5 hours of PDH by attending the online conference. Certificates will be issued after the conference.

"Innovation through Research and Education"