



Texas Industries of the Future

Texas Industrial Energy Management Forum

Understanding How to Enhance Our Energy Infrastructure Resiliency To Natural Disasters

**Thursday, April 5, 2018
4 to 6 pm**

**Shafaii Hall and Garden
1622 Federal Rd. #30
Houston, Texas 77015**

To register, please go to
https://texasiof.ceer.utexas.edu/forms/TIOFevent_registration.cfm

- 3:30 - 4:00 pm Forum Registration/Sign-In and Visit with Exhibitors**
- 4:00 - 6:00 pm Industrial Energy Management Forum**
See program below.
- 6:00 - 7:00 pm Networking and Exhibition**
(sponsored by AIChE-STS – information below)
- 7:00 - 9:00 pm Optional AIChE-STS Dinner and Speaker**
(non-members are welcome – information below)

Program

In 2017, Hurricane Harvey hit the coast of Texas in Rockport and the associated record rainfalls in Houston, Beaumont and other coastal areas contributed to the worst flooding these cities have experienced in decades. One of the many responses to this natural disaster have been efforts to reflect on pre-storm preparedness and to identify and implement changes to improve resiliency to these types of events. The chemicals and petrochemicals manufacturing industries play a major role in driving resiliency. So it is important to understand some of the factors that impact the resiliency of these industries and what can be done to mitigate these factors. Our panel will help us understand some of these factors so that we can continue efforts to enhance our energy infrastructure resiliency.

Panelists will provide a 20-minute presentation on the forum topic followed by a panel discussion and Q&A from the audience.

Forum Moderator

Pramod Bengani, Ascend Performance Materials
Member, Texas IOF Chemicals and Refining Advisory Committee

Panelists

Presentation Title: ***Texas Strong! Hurricane Harvey Response and Restoration***

Bert Sausse
Emergency Operations Coordinator
CenterPoint Energy

Hurricane Harvey was a record-breaking storm that inundated southeast Texas with nearly 52 inches of rainfall. Following landfall as a Category 4 storm, nearly 4,000 CenterPoint Energy employees and contractors, as well as mutual assistance personnel from seven states, worked safely and efficiently to restore more than 1.2 million outages over the duration of the storm. The company's technology, resources and emergency preparation allowed for an efficient power restoration process, including smart grid automation, real-time analytics, drones to assess damage and evaluate work conditions, and construction of a mobile substation providing service to more than 9,000 customers. The company also used 36 air boats and 15 amphibious vehicles to navigate high waters throughout its electric service territory.

Presentation Title: ***Hey Houston, We Survived Harvey!***

Yong Wang
Managing Engineer, Public Works and Engineering
City of Houston

Water is a critical commodity for many industrial operations. This presentation will focus on how a 360-MGD water treatment plant in Houston Metropolitan area battled and survived during Hurricane Harvey. It will describe the plant's emergency preparations, continual operations through Hurricane Harvey, issues that arose, and lessons learned.

Presentation Title: ***Financing Industrial Resilience with TX-PACE***

Marina V. Badoian-Kriticos
Regional Program Advisor
Texas PACE Authority

Capitalizing on operational savings to create resilient industrial properties, the TX-PACE (Property Assessed Clean Energy) program is an innovative way for industrial property owners to finance energy efficiency, water conservation, distributed generation, resilience and recovery projects while maintaining a healthy long-term bottom line. This session will examine strategies for improving resilience and making projects more attainable.

Question & Answer Session

Logistics and Registration

There is no cost for attending the Texas IOF Industrial Energy Management Forum; however, pre-registration is requested so that we can provide adequate facilities.

Registration is open at

https://texasiof.ceer.utexas.edu/forms/TIOFevent_registration.cfm

The State Energy Conservation Office of the Texas Comptroller of Public Accounts provides funding for the Industrial Energy Management Forum.

Exhibitors

If you are interested in exhibiting at the event, please contact **Carlos Salamanca, Chair, STS-AIChE** at sts-chair@aiiche.org or casalamanca@hotmail.com or 832-419-1328.

Networking and Exhibition, 6 – 7 pm

A number of companies who bring value to energy management in the process industries will have tabletop exhibits set up as a focal point for the networking session. A cash bar will also be available.

AIChE- STS Dinner Meeting with Speaker, 7 pm

Following the Networking event, you are invited to attend the STS-AIChE dinner meeting at Shafaii Hall and Garden. You must register and pay for the dinner separately at <http://sts.aiiche.org/>.