

**Infrastructure, Energy, Geotechnical, Flooding and Sustainability  
Issues Related to Houston & Other Major Cities  
Preliminary Program –CIGMAT 2018 (March 2, 2018)**

**Session I: (8:30 a.m. to 9:50 a.m.) General Session**

**Moderator: C. Vipulanandan, Ph.D., P.E.,** Professor of Civil Engineering, University of Houston, Houston, Texas

**Bill Brudnick,** "TxDOT Projects and Plans," Director Planning – TxDOT, Houston, Texas, Keynote Speaker;

**Carol Ellinger Haddock, P.E.** "Innovation Hub," Director, Houston Public Works, City of Houston, Houston, Texas, Keynote Speaker;

**Jason Pettrey,** "Energy Needs – Current and Future," Department Head for Beaumont Refinery, ExxonMobil, Beaumont, Texas, Keynote Speaker.

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

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

**Panel 1: Flooding and Construction Issues**

**Moderator: Rafael Ortega, P.E.** Aurora Technical Services, Houston, Texas.

Panelist (25 min. presentations)

**Ataul Hannan,** "Flood Control Projects and Their Benefits," Harris County Flood Control District, Houston, Texas.

**David Miller and Jonathan Marks,** "Luce Bayou Interbasin Transfer Project Update," Coastal Water Authority, Houston, Texas.

**Randy Rogers and Ravi Kaleyatodi,** "Partnering with Houston to Deliver the Nation's Largest Progressive Design-Build Water Treatment Plant" North Harris County Regional Water Authority and Houston Waterworks Team, Houston, Texas.

**Panel Discussion: Challenges Related to Flooding and Construction Issues**

**Panel 2: Transportation and Geotechnical Issues**

**Moderator: Stanley Yin, P.E.,** TxDOT, Houston, Texas.

Panelist (25 min. presentations)

**John Tyler,** "HCTRA Projects and Plans," Deputy Director – Harris County Toll Road Authority, Houston, Texas.

**Roberto Trevino,** METRO Projects and Plans, Executive Vice President of Planning, Engineering and Construction-METRO, Houston, Texas.

**Geotechnical Design Consideration of Ground Storage Tanks in Southeast Texas and Louisiana, Jaideep Chatterjee, Principal Engineer, Tolunay-Wong Engineers, Inc., Houston, Texas.**

**Panel Discussion: Challenges Related Transportation and Geotechnical Issues**

## **Lunch Break, Exhibition, Research Posters & Presentation**

**Posters** on research done at University of Houston. **Companies** participate in the **Exhibition**.  
Vote for the Research Posters.

**12:30 p.m. County Judge Craig Doyal, “Projects and Plans for Montgomery County,”** Conroe, Texas

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

### **Panel 3: Water and Wastewater Issues**

**Moderator: Michael Lacy, P.E., Vice President, KIT Professional Inc., Houston, Texas.**  
Panelist (20-25 min. presentations)

**Jeff Haby, “SAWS SSO Consent Decree: The Halfway Point,” Vice President, San Antonio Water System (SAWS), San Antonio, Texas**

**Matthew L. Webb, “TWDB Updates and Aquifer Storage and Recovery,” Hydrologist, Texas Water Development Board, Austin, Texas**

**Aldo Ranzani, “Projects and Plans for the Water Utilities in the City of Austin,” Public Works and Engineering Department City of Austin, Austin, Texas**

**Panel Discussion: Challenges Related to Water Issues.**

### **Panel 4: Projects Management and Gas Leak Issues.**

**Moderator: C. Vipulanandan, P.E., University of Houston, Houston, Texas.**

#### **Thirteenth Mike O’Neill Lecture**

**Professional Experiences and Management of Critical Projects, Wayne Klotz, Past ASCE President and President-Board Director Coastal Water Authority, Houston, Texas.**

**Smart Cement Slurry for Real-Time Monitoring, Professor C. Vipulanandan, University of Houston, Houston, Texas.**

**Panel Discussion: Issues Related to Project Management and Gas Leak Issues.**

**RECEPTION: (2:30 - 3:00 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 emailed to you.