

**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.