

**Infrastructure, Energy, Geotechnical, Flooding and Sustainability  
Issues Related to Houston & Other Major Cities  
Final Program –CIGMAT 2016 (March 4, 2016)**

**Session I: (8:40 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

**Jason Pettrey, “Energy Needs – Current and Future”,** Department Head for Beaumont Refinery, ExxonMobile, Beaumont, Texas, Keynote Speaker.

**Dale Rudick, "Review of City of Houston Projects, Plans and Technical Needs,"** Director, Public Works and Engineering Department, City of Houston, Houston, Texas, Keynote Speaker;

**Bill Brudnick, "TxDOT Projects and Plans,"** District Engineer - Houston, TxDOT, Houston, 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, Maintenance and Geotechnical Issues**

**Moderator: Daniel Wong, Ph.D.,P.E.** Tolunay-Wong Engineers, Houston, Texas.

Panelist (25 min. presentations)

**Mike Talbott, "Projects and Plans for Harris County Flood Control District,"** Director, Harris County Flood Control District, Houston, Texas.

**Paresh Lad, “Rebuild Houston,”** Project Manager for Infrastructure Planning, City of Houston, Houston, Texas.

**Faults Exists in Houston Area, Kenneth Tand,** Kenneth Tand and Associates, Houston, Texas.

**Panel Discussion: Challenges Related to Flooding, Maintenance of Civil Infrastructure Facilities and Faulting**

**Panel 2: Multi-Modal Transportation 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.

**Sanjay Ramabhadran, “Challenges and Issues for METRO,”** Board Member, Metropolitan Transit Authority, Houston, Texas

**Steve, Loo**, “Pavement Management Information System – Optimizing Data Collection,” Managing Engineer for Street and Drainage Division, City of Houston, Houston, Texas.

**Panel Discussion: Challenges Related Transportation Issues**

**Lunch Break, Exhibition & Research Posters**

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

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

**Panel 3: Water Issues**

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

**Jean Broce Perez**, “Challenges and Future Plans for Water Management in Texas,” Hydrologist II, Texas Water Development Board, Austin, Texas

**Aldo Ranzani**, “Challenges and Issues Related to Water Pipelines in the City of Austin,” Public Works and Engineering Department City of Austin, Austin, Texas

**Jeffrey Benjamin**, “Surface Water Conversion”, Project Director, Northeast Water Purification Plant City of Houston, Houston, Texas

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

**Panel 4: Non-Destructive Test Methods and Issues.**

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

**Eleventh Mike O’Neill Lecture**

**The Increasing Role of Seismic Measurements and Geotechnical Engineering,** Professor Kenneth H. Stokoe, University of Texas, Austin, Texas.

**Smart Cement System for Real-Time Monitoring of Field Well Installation and Verification of Cemented Well Piezoresistive Behavior,** Professor C. Vipulanandan, University of Houston, Houston, Texas

**Panel Discussion: Issues Related to Non-destructive Tests.**

**RECEPTION: (2:30 - 3:30 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.