

**Infrastructure, Energy, Geotechnical, Flooding and Sustainability
Issues Related to Houston & Other Major Cities
Final Program –CIGMAT 2017 (March 3, 2017)**

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

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;

Jason Pettrey, "2017 Energy Outlook: A View to 2040", Department Head for Beaumont Refinery, ExxonMobile, 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, Maintenance and Construction Issues

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

Panelist (25 min. presentations)

Russell Poppe, "Flood Control Projects and Their Benefits," Director, Harris County Flood Control District, Houston, Texas.

Rod Pinheiro, "Storm Water Action Team (SWAT) Program," Assistant Director, Street and Drainage Division, City of Houston, Houston, Texas.

Construction of Industrial Plants, Daniel Gossett, Mason Construction, Beaumont, Texas.

Panel Discussion: Challenges Related to Flooding, Maintenance and Construction Issues

Panel 2: Transportation and Industrial Construction 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.

Evolving Engineering of Industrial Facilities, Shawn McGraw and Silky Wong, Fluor, Houston, Texas.

Jeff Weatherford, "Paradigm Shift in Transportation," Deputy Director, Traffic Operations Division, City of Houston, Houston, Texas.

Panel Discussion: Challenges Related Transportation and Industrial Construction Issues

Lunch Break, Exhibition & Research Posters

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

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)

Eric Wessels, “SAWS SSO Reduction Program: Remedial Measures,” Co-Program Manager, San Antonio Water System (SAWS), San Antonio, Texas

Alan Andrews, “TWDB innovative Water Technologies Programs,” Hydrologist, Texas Water Development Board, Austin, Texas

Yvonne Forrest, “Infrastructure and the Impact on Water Quality”, Senior Assistant Director, City of Houston, Houston, Texas

Panel Discussion: Challenges Related to Water and Wastewater Issues.

Panel 4: Geotechnical and Material Issues.

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

Twelfth Mike O’Neill Lecture

Effects of Vegetation on Foundations Bearing in Expansive Clays in Urban Environment, Kenneth Tand, CEO Kenneth Tand and Associates, Houston, Texas.

Smart Cement Composites Characterization and Corrosion Detection and Quantification Using Real-Time Monitoring Systems: Developments and Modeling, Professor C. Vipulanandan, University of Houston, Houston, Texas.

Panel Discussion: Issues Related to Foundations and Materials.

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.