

Final Program

8:30 a.m. Welcome Remarks

C. Vipulanandan (Vipu), Professor, Department of Civil and Environmental Engineering & Director of CIGMAT and THC-IT, University of Houston

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

Michael Alford, "TxDOT Projects and Plans," District Engineer - Houston, TxDOT, Houston, Texas, Keynote Speaker;

Daniel W. Krueger, "Review of City of Houston Projects and Plans and Technical Needs," Director, Public Works and Engineering Department, City of Houston, Houston, Texas, Keynote Speaker;

Kris Nygaard, "The Global Energy Outlook to 2040: The Facts Surrounding the Role of Unconventional Resources & Hydraulic Fracturing," Senior Stimulation Consultant, ExxonMobile, 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: Hydraulic Fracturing, Water and Wastewater Issues

Moderator: Rafael Ortega, P.E. Lockwood, Andrew and Newnam, Houston, Texas.
Panelist (25 min. presentations)

Erika Mancha, "Challenges and Future Plans for Water Management in Texas," Engineer, Texas Water Development Board, Austin, Texas

Jun Chang, "Regional and State Surface Water Planning – Successes and Continued Challenges," Deputy Director, City of Houston, Houston, Texas.

"Challenges in Hydraulic Fracturing and Water Issues," Hoang Le, Baker Hughes, Houston, Texas

Panel Discussion: Challenges Related to Hydraulic Fracturing and Wastewater Issues

Panel 2: Flooding, Maintenance and Geotechnical Issues

Moderator: Showri Nandagiri, P.E., North Harris County Regional Water District, Houston, Texas.

Panelist (25 min. presentations)

Mike Talbott, "Memorial Park Demonstration Project," Director, Harris County Flood Control District, Houston, Texas.

Dale Rudick, “Rebuild Houston – Making Better Streets, Better Drainage a Reality Storm Drains and Streets Maintenance Issues,” Deputy Director, Public Works and Engineering Department, City of Houston, Houston, Texas.

Calibration of PVR Methods, Kenneth Tand, Kenneth Tand and Associates, Houston, Texas

Panel Discussion: Challenges in Maintaining & Sustaining Civil Infrastructure Facilities

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: New Technologies for Maintenance and Monitoring

Moderator: David Peters, P.E., Senior Project Manager, Camp, Dresser & McKee Inc., Baton Rouge, Louisiana.

Panelist (20-25 min. presentations)

Aldo Ranzani, “In-Place Evaluation of Water Pipeline Conditions and Life Expectancy,” Public Works and Department, City of Austin, Austin, Texas.

Mike Pezeshki, “Consideration of Houston’s Pavement Design Standards,” Managing Engineer, Public Works and Engineering Department, City of Houston, Houston, Texas.

Extending the Lifecycle of Storm Water Culverts Utilizing Organic/Inorganic Materials, Michael Vargo, Technical Consultant - Barton Industries, Atlanta, Georgia.

Panel Discussion: Challenges and Issues with Maintenance and Monitoring.

Panel 4: Offshore Issues: Oil Spills and Oil Well Cementing

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

Ninth Mike O’Neill Lecture

Deepwater Horizon Accident, President David Daniel, University of Texas at Dallas, Richardson, Texas.

Development of Smart Cement for Real-Time Monitoring of Oil Well Cementing Applications, Professor C. Vipulanandan, University of Houston, Houston, Texas

Panel Discussion: Issues Related to Offshore Oil Wells.

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.