

Final Program

8:30 a.m. Welcome Remarks

C. Vipulanandan (Vipu), Chairman, 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 S. Marcotte, "Review of City of Houston Projects and Plans and Technical Needs," Director, Public Works and Engineering Department, City of Houston, Houston, Texas, Keynote Speaker;

Steve Simmons, "The Outlook and implications of Fuel-Efficient Technologies," Deputy Director, TxDOT, Austin, Texas, Keynote Speaker;

Nancy Edmonson, "Project and Plans for Gulf Coast Rail District," Board of Director, Gulf Coast Rail District, 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: Management of Major Water and Wastewater Systems

Moderator: Rafael Ortega, P.E. Lockwood, Andrew and Newnam, Houston, Texas.

Panelist (25 min. presentations)

Daniel Menedez, "Challenges and Future Plans in the Water and Wastewater Systems", Deputy Director, City of Houston, Houston, Texas

Ravi Kaleyatodi, "Almeda Tunnel-Past, Present and Future", Senior Assistant Director, City of Houston, Houston, Texas.

Corrosion Protection Properties of Low Density Concrete Cellular Grout for Steel Surfaces, Bell Gharam, President and Principal Engineer, Schiff Associates, Claremont, California.

Case Studies on Coating and Grouts, Danny Warren, President, Warren Environmental, Boston, Massachusetts.

Panel Discussion: Challenges in Maintaining Small and Large Public Works Infrastructures

Panel 2: Hurricane and Geotechnical Issues

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

Panelist (25 min. presentations)

Harrison Sutcliffe, "Project and Plans for U.S. Army Corps of Engineers, Project Engineer, USACE-Galveston, Galveston, Texas.

The Ike-Dike: A Coastal Barrier Protecting the Houston/Galveston Region,

Professor William Merrell, Texas A&M University, Galveston, Texas.

Analyses of Bulkhead Failures in Beaumont Clay, **Kenneth Tand, Kenneth Tand and Associates, Houston, Texas.**

Panel Discussion: Challenges in Maintaining Civil Infrastructure Facilities

Lunch Break, Exhibition & Research Posters

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

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

Panel 3 : Flooding and Stormwater Issues

Moderator: David Peters, P.E., Principal Engineer, CDM, New Orleans, Louisiana.

Panelist (20-25 min. presentations)

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

Elie Alkhory, US 290 Hydraulic Studies, Transportation Engineering Supervisor, TxDOT Houston District, Houston, Texas.

Panel Discussion: Flooding Related Challenges (Funding, Regulations, Project) .

Panel 4: Geotechnical Engineering Issues

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

Fifth Mike O'Neill Lecture

Designing Excavation Support Systems to Protect Adjacent Structures, Professor Richard J. Finno, Northwestern University, Evanston, Illinois.

Field Compaction Verification Using a New Surface Penetrometer (SP-CIGMAT) During Construction, Professor C. Vipulanandan, University of Houston, Houston, Texas

Panel Discussion: Geotechnical Engineering Issues Related to Construction, Design and Maintenance.

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 issued after the conference.