

**INFRASTRUCTURES, ENERGY,  
GEOTECHNICAL, FLOODING  
AND SUSTAINABILITY  
ISSUES RELATED TO  
HOUSTON &  
OTHER MAJOR CITIES**

**CIGMAT - 2025  
30<sup>th</sup> Annual Conference**



Conference and Exhibition  
Sponsored  
by  
**Center for Innovative Grouting  
Materials and Technology  
&  
Department of Civil and  
Environmental Engineering**

**March 7, 2025**

University Hilton  
University of Houston  
Houston, Texas 77204

**Conference Registration**

The Conference is presented in a one day concentrated format to update the contractors and consultants who play an important role in the development of major cities including Houston. Well known and influential speakers will provide valuable information to the conference attendees. Complete and return the registration form with the registration fee before February 27, 2025 for an advanced registration discount. Registration fee includes admission, lunch, coffee breaks, and free hotel parking. Registration and attendance will be limited to the first 250 applicants.

For Hotel Reservations call (832) 531-6300 or 866-327-1161.

**Top Reasons To Attend:**

- (1) Be informed about the latest opportunities and developments in number of major cities.
- (2) Network with city and county planners, engineers, contractors, consultants, researchers, educators, scientists, students and exhibitors.
- (3) Presentations on infrastructure maintenance, energy, geotechnical, flooding, transportation, water, wastewater and sustainability issues and new technologies that could influence your operations.
- (4) View research posters from University of Houston and attend the reception.
- (5) Houston is easily accessible from anywhere in the U.S.

For more information on the conference or to reserve exhibition spaces call Dr. **Vipu** at (713) 743-4278.

**REGISTRATION**

Advanced Registration (by 2/27/2025) \$170.00  
At-Door Registration \$185.00  
Student Registration\* \$ 85.00

Exhibitor^ \$400.00  
(A reception is planned in the exhibit area)

^One person has free registration  
\*Current I.D. and School Registration;

Please make check payable to CIGMAT/UH  
and mail it to:

Conference Registration  
CIGMAT/Dept. C&EE/UH  
4226 M.L. King Blvd.  
Houston, TX 77204-4003  
(Attn: Dr. C. Vipulanandan (Vipu))

Name \_\_\_\_\_

Nick Name \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State/Zip \_\_\_\_\_

Phone \_\_\_\_\_

Fax \_\_\_\_\_

Email \_\_\_\_\_

Contact Person \_\_\_\_\_

For more information

Phone: (713) 743-4278; Fax: (713) 743-4260

Email: [cvipulanandan@uh.edu](mailto:cvipulanandan@uh.edu)

## About the Conference

A one day Conference and Exhibition is being organized by the Center for Innovative Grouting Materials and Technology (CIGMAT) and the Department of Civil and Environmental Engineering on "Infrastructures, Energy, Geotechnical, Flooding and Sustainability Issues in Houston & Other Major Cities" at the University of Houston on March 7, 2025. The presentations will include current projects and proposed projects and energy needs for years 2025-2026 in the Greater Houston area and other major cities. Special feature of this conference is the four panel discussions on critical issues facing the construction, maintenance and sustainability of various civil infrastructures in the urban environment. Also energy production and related issues will be discussed. After the technical sessions, a reception will be held starting at 2:30 p.m. with invited city, county and industry leaders in the exhibit area to facilitate networking. The conference fee also includes lunch, coffee breaks, reception and parking. Earn 5 PDH by attending the entire conference.

### List of Distinguished Speakers

#### Session I: (8:30 a.m. to 9:50 a.m.)

**Thomas G. Allbritton**, "TxDOT Projects and Plans," District Engineer, Houston District- TxDOT, Houston, Texas, Keynote Speaker;

**Randy Macchi**, "Houston Public Works Plans and Projects," Director -Houston Public Works, City of Houston, Houston, Texas, Keynote Speaker;

**Sid Mebarkia**, "Trends in the Production and Distribution of Oil and Gas", Chevron- Fellows, Chevron, Houston, Texas, Keynote Speaker.

#### Session II: (10:15 a.m. to 12:00 noon)

##### Panel 1: Flooding, Constructions and Maintenance

**Moderator: Rafael Ortega**, Aurora Technical Services, Houston, Texas.

Panelist (also includes presentations)

**Ataul Hannan**, "Flood Control Plans in Harris County," Director of Planning Division, Harris County Flood Control District, Houston, Texas.

"**New Design Project for Buffalo Bayou to Minimize Flooding**," **Jeff Mitchell**, HDR Inc. Houston, Texas.

**Ravi Kaleyatodi**, "Houston's Northeast and East Water Treatment Plant Projects," Senior Assistant Director-City of Houston, Houston, Texas.

##### Panel 2: Infrastructures and Transportation Projects

**Moderator: Daniel Wong**, Tolunay-Wong Engineers.

Panelist (also includes presentations)

**Joe Zimmerman**, "Sugar Land Projects and Plans including Transportation," Mayor – Sugar Land, Sugar Land, Texas.

**Leilany Thielen**, "HCTRA Projects and Plans," Deputy Director – Harris County Toll Road Authority, Houston, Texas.

**Shri Reddy**, "METRO Projects and Plans", Executive Vice President for Planning Engineering and Construction-METRO, Houston, Texas.

##### Lunch Break, Exhibition & Research Posters

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

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

##### Panel 3 : Water and Wastewater Issues

**Moderator: Venus Price, P.E.**, Water resources Leader, Lockwood, Andrews and Newnam Inc., Houston, Texas.

Panelist (also includes presentations)

**Aaron Scindewolf**, "SJRA Water and Wastewater Systems Improvements and Updates," Project Manager – San Jacinto River Authority (SJRA), Conroe, Texas

**Willie Chastain**, "Current and Future Alternative Water Supplies in Texas," Manager- Innovative Water Technologies, Texas Water Development Board, Austin, Texas

"**Epoxy Rehabilitations and Protective Coatings of Lift Stations**", **Jan B. Conant**, Coating Specialist - Warren Environmental, Frisco, Texas

##### Panel 4: Infrastructures and Smart Materials.

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

##### Nineteenth Mike O'Neill Lecture

**Grady Prestage**, "**Fort Bend County Infrastructures and Developments**", Fort Bend County Precinct 2 Commissioner Precinct 2, Rosenberg, Texas.

"**Characterizing Smart Cement Modified with Polymer for Quality Control, Curing and to Control and Detect Fluid Loss and Gas Leak Using Vipulanandan Models**",

**Professor C. Vipulanandan**, University of Houston, Houston, Texas.

##### **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 several of door prizes are 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.

