

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

**CIGMAT - 2024
29th Annual Conference**



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

March 1, 2024

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 22, 2024 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 2/22/2024) \$160.00
At-Door Registration \$175.00
Student Registration* \$ 75.00

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

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 1, 2024. The presentations will include current projects and proposed projects and energy needs for years 2024-2025 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.)

Varuna Singh, "TxDOT Projects and Plans," Deputy Director of Houston District- TxDOT, Houston, Texas, Keynote Speaker;

Michael Ereti, "Houston Public Work CIP Update," Director Capital Projects -Houston Public Works, City of Houston, Houston, Texas, Keynote Speaker;

Brent Seifert, "Delivering Oil and gas Offshore Projects through the Energy Transition", Host Engineering Manager, Shell International Exploration and Production Inc., Houston, Texas, Keynote Speaker.

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

Panel 1: Flooding, Construction and Maintenance

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

Panelist (also includes presentations)

Ataul Hannan, "Planning to Achieve Resilience in Harris County," Director Planning Division, Harris County Flood Control District, Houston, Texas.

Kathlie Jeng-Bulloch, "CIP Program and lessons Learn, Huntsville Texas," Director of Engineering Department, City of Huntsville, Huntsville, Texas.

Lagnesh Varshney, "Resilient Houston – Rehabilitation Projects and Green Stormwater Infrastructure," Managing Engineer – Transportation and Drainage Operations, City of Houston, Houston, Texas.

Panel 2: Infrastructures and Transportation Projects

Moderator: Daniel Wong, Tolunay-Wong Engineers.
Panelist (also includes presentations)

Andy Meyers, "Fort Bend's Critical Infrastructure: Energy, Industry, Mobility, and Safety," Commissioner – Fort Bend Count, Sugar Land, Texas.

Brain Alcott, "HCTRA Projects and Plans," Assistant 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: Mackrena Ramos, P.E., Lockwood, Andrews and Newnam Inc., Houston, Texas.
Panelist (also includes presentations)

Jeffrey Haby, "San Antonio Path to Water Resiliency," Vice President -Production and Treatment, San Antonio Water System (SAWS), San Antonio, Texas

James Golab, "Current and Future Alternative Water Supplies in Texas," Manager- Innovative Water Technologies, Texas Water Dev. Board, Austin, Texas

"Epoxy Rehabilitations of WW Lift Stations and Drinking Water Pipes in the Houston Area", Jan B. Conant, Manufacturer's Representative, Warren Environmental, Frisco, Texas

Panel 4: Deep Foundations and Smart Materials.

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

Eighteenth Mike O'Neill Lecture

"Lessons Learned from Mike O'Neill and its Impact on Current Practice", Tracy Brettmann, Executive Vice President, A.H. Beck Engineering, Houston, Texas.

"Characterizing Smart Cement with Nanoparticles 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.

