

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

**CIGMAT - 2022
27th Annual Conference**



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

March 4, 2022

University Hilton
University of Houston
Houston, Texas 77204

Conference Registration

The Conference is presented in a one day concentrated format to up date 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 24, 2022 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, new technologies and impact of COVID-19 virus 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 2/24/2022) \$150.00
At-Door Registration \$165.00
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 4, 2022. The presentations will include current projects and proposed projects and energy needs for years 2022-2023 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.)

Eliza Paul, "TxDOT Projects and Plans," Director of Houston District - TxDOT, Houston, Texas, Keynote Speaker;

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

Sid Mebarkia, "The Influences of Oil and Gas and Related Pipelines", Senior Principle Engineer-Subsea Pipelines, Chevron, Houston, Texas, Keynote Speaker.

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

Panel 1: Flooding and Construction Issues

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

Panelist (also includes presentations)

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

Jun Chang, "Projects and Plans for the Regional Water Authority," Director, North Harris County Regional Water Authority, Houston, Texas.

Greg Olinger, "Review of Coastal Water Authority Projects, Plans and Technical Needs," Chief Engineer, Coastal Water Authority, Houston, Texas.

Panel 2: Transportation and Power Issues

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

John Tyler, "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.

"Civil Structural Solutions for Power Shortage,"
Brian Raine, Principal ARUP, 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, "SAWS Progress and Plans," Vice President -Production and Treatment, San Antonio Water System (SAWS), San Antonio, Texas

Juan Acevedo, "Brackish Groundwater and Recent Work," Innovative Water Technology, Texas Water Development Board, Austin, Texas

"High Build Solid Epoxy Case Studies and New Applications" Jan B. Conant, Manufacturer's Representative, Warren Environmental, Frisco, Texas.

Panel 4: Infrastructures and Smart Materials.

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

Sixteenth Mike O'Neill Lecture

Tom Ramsey, "Infrastructure Issues and Public Policy", Harris County Precinct 3 Commissioner., Houston, Texas.

"Smart Cement Applications with Real-Time Monitoring for Construction and Repair Materials for Various Infrastructures", 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.

