

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

**CIGMAT - 2020
25th Annual Conference**



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

March 6, 2020

University Hilton
University of Houston
Houston, Texas 77204-3902

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 28, 2020 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 2/28/2020) \$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
4726 Calhoun Road
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 6, 2020. The presentations will include current projects and proposed projects and energy needs for years 2020-2021 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;

TBA, "Review of City of Houston Projects, Plans and Technical Needs," Houston Public Works, City of Houston, Houston, Texas, Keynote Speaker;

TBA, "Energy Outlook for the Future", Advisor for Sustainable Procurement, ExxonMobil, Spring, 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, "Next Step to Evolving Floodplain Mapping," Planning Division Director, Harris County Flood Control District, Houston, Texas.

Kevin Tran, Michael Salinas and Michael Liga, "Tunneling the Largest Potable Water Line for the City of Houston," City of Houston and Lockwood Andrews and Newnam Inc., Houston, Texas.

Shashi Kumar, "Review of Missouri City Projects, Plans and Technical Needs," Public Works Director, Missouri City, Houston, Texas.

Panel 2: Transportation Issues

Moderator: Stanley Yin, Tolunay-Wong Engineers.

Panelist (also includes presentations)

John Tyler, "HCTRA Projects and Plans," Deputy Director - Harris County Toll Road Authority, Houston, Texas.

Roberto Trevino, "METRO Projects and Plans", Executive Vice President of Planning, Engineering and Construction-METRO, Houston, Texas.

Zhanfei "Tom" Fan, UHPC for Steel Bridge Repair, Texas Department of Transportation, Houston District Bridge Design, Houston, Texas.

Lunch Break, Exhibition & Research Posters

Posters on Research at the University of Houston.

Companies participate in the Exhibition.

12:35 to 12:55 p.m. **Waller County Judge, Trey Duhon**, "Updates on Issues Related to Infrastructures" Waller, Texas.

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)

Jeff Haby, "SAWS SSO Consent Decree: The Halfway Point," Vice President, San Antonio Water System (SAWS), San Antonio, Texas

Erika Mancha, "TWDB Updates and Innovative Water Technologies," Manager, Innovative Water Technology, TWDB, Austin, Texas.

Houston's Sewer Overflow Issues" Eric J. Dupre, Technical Director, Super Cover-Sanitary Sewer Overflow, Houston, Texas

Panel 4: Engineering Ethics and Smart Materials.

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

Fifteenth Mike O'Neill Lecture

"Civil Engineering Ethics and Related Issues", **Daniel Wong**, Director Texas Board of Professional Engineers, CEO-Tolunay-Wong Engineers, Inc., Houston, Texas.

"Smart Cement for Real-Time Monitoring integrated with Artificial Intelligent", **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.

