

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

**CIGMAT - 2019
24th Annual Conference**



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

March 1, 2019

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 22, 2019 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 2/22/2019) \$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 1, 2019. The presentations will include current projects and proposed projects and energy needs for years 2019-2020 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.)

Bill Brudnick, "TxDOT Projects and Plans," Director Planning - 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;
Liana Alvarez, "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)

Russell Poppe, "Projects and Plans for Harris County Flood Control District," Director, Harris County Flood Control District, Houston, Texas.

Ivan Langford, "Planning Efforts to Meet the Industrial Water Demands", General Manager, Gulf Coast Water Authority, Houston, Texas.

"Challenges in Major Pipelines Construction"
Wayne Ahrens, Director Dannenbaum Engineering, Houston, Texas.

Panel 2: Transportation Issues

Moderator: Stanley Yin, TxDOT, Houston, Texas.

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.

"Texas Central Rail Plans and Projects", **Steve Clark**, 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)

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, Texas Water Development Board, Austin, Texas

"Flood Tunnel- A Solution to Houston's Stormwater Conveyance Problem" **Brian Gettinger**, Project Manager-Tunneling Service Leader, Freese And Nichols, Houston, Texas.

Panel 4: Deep Foundations and Smart Materials.

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

Fourteenth Mike O'Neill Lecture

"A Refinery Expansion Project with Piles Installed in Settling Soil – A Case Study", **Mauricio Ochoa**, Principal Engineer, Tolunay-Wong Engineers, Inc., Houston, Texas.

"Smart Cement for Multiple Construction and Repair Applications with Real-Time Monitoring", **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.

