

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

**CIGMAT - 2021
26th Annual Conference***



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

March 5, 2021

***ONLINE CONFERENCE**
University of Houston
Houston, Texas 77204-4003

Conference Registration

The Conference presentations will be online format to update the contractors and consultants who play an important role in the development of major cities including Houston. Also the impact of COVID-19 virus in the planned activities will be discussed. Well known and influential speakers will provide valuable information to the conference attendees. Complete and return the registration form with the registration fee before March 1, 2021 for an advanced registration discount. **Also email Dr. Vipu about your registration to coordinate the online conference.** This will be the first online conference organized by the Center for Innovative Grouting Materials and Technology (CIGMAT).

Top Reasons To Attend:

- (1) Be informed about the latest opportunities and developments in number of major cities with the COVID-19 virus impact and the current financial situations.
- (2) Presentations on infrastructure maintenance, energy, geotechnical, flooding, transportation, water, wastewater and sustainability issues and new technologies that could influence your operations.
- (3) Provide 3.5 PDH certificate for attending the online conference.
- (4) Online conference will be easily accessible from anywhere in the U.S.

For more information on the conference call or email **Dr. Vipu** at (713) 743-4278.

REGISTRATION

Advanced Registration (by 3/01/2021) \$ 50.00
At-Door Registration \$ 60.00
Student Registration* \$ 25.00

Exhibitor^ \$150.00

^(2 Slides Presentation)

*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

The 26th annual conference 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" is on March 5, 2021. This will be an online conference based on the current conditions. The COVID-19 virus has impacted the entire world in the past nine months. It has impacted the industries, businesses, travelling and educational programs. Also the guidelines, rules and regulations have not only impacted the individual but also the families, communities and the countries economically.

The presentations will include current projects and near future projects related to highways, streets, buildings, water and wastewater systems, flooding, transportation and financial challenges for years 2021-2022 in the Greater Houston area and other major cities. Also the impact of COVID-19 virus on number of operations will be discussed. Special feature of this conference is on critical issues facing the construction, maintenance and sustainability of various civil infrastructures under the current condition and also a new technology related to surface and bulk corrosion detection and quantification will be discussed.

Earn 3.5 PDH by attending the entire conference.

List of Distinguished Speakers

Session I: (9:00 a.m. to 10:15 a.m.)

General Session

Moderator: C. Vipulanandan, Professor and Director, University of Houston, Houston, Texas.

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

Michael Ereti, "Review of City of Houston Projects, Plans and Technical Needs," Director Capital Projects -Houston Public Works, City of Houston, Houston, Texas, Keynote Speaker;

Lisa Craven, "Current Financial Situation in Texas", Deputy Comptroller, Texas Comptroller of Public Accounts, Austin, Texas, Keynote Speaker

Network Discussion: Major Planning Issues

Session II: (10:15 a.m. to 11:30 a.m.)

Flooding and Transportation Issues

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

Ataul Hannan, "Floodrisk Products from MAAP next," Director Planning Division, Harris County Flood Control District, Houston, Texas.

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

Bridgette J. Towns, "METRO Projects and Plans", Executive Vice President for Engineering and Project Management Planning -METRO, Houston, Texas.

Network Discussion: Major Issues Related to Flooding and Transportation

Session III: (11:30 p.m. to 12:45 p.m.)

Water, Wastewater and Corrosion Issues

Moderator: Daniel Wong, Tolunay-Wong Engineers, Houston, Texas.

Cristina DeLaGarza, "Sanitary Sewer Overflow Reduction Program (SSORP): Tale of Two Sewer Sheds," Manager-Pipeline Engineering, San Antonio Water System (SAWS), San Antonio, Texas

Erika Mancha, "Alternative Water Supply Projects in the Innovative Water Technologies Department," Manager, Innovative Water Technology, Texas Water Development Board (TWDB), Austin, Texas.

"New Nondestructive Method to Rapidly Detect and Quantify Surface and Bulk Corrosion in Steel with Real-Time Monitoring,"

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

Network Discussion: Major Issues Related to Water, Waste Water and Corrosion of Infrastructures

Discussion and Networking (12:45 p.m. to 1:15 p.m.)

There will be Exhibitors and Research Posters Presentations with questions and discussions between the attendees.

Professional Development Hours (PDH)

Earn up to 3.5 hours of PDH by attending the online conference. Certificates will be issued after the conference.

"Innovation through Research and Education"