

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

**CIGMAT - 2014
19th Annual Conference**



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

March 7, 2014

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, 2014 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 and ask for CIGMAT Conference Rate.

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 2/28/2014) \$120.00
At-Door Registration \$135.00
Student Registration* \$ 70.00

Exhibitor^ \$300.00
(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
University of Houston
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 7, 2014. The presentations will include current projects and proposed projects and energy needs for years 2014-2015 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 hydraulic fracturing for 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: (8:00 a.m. to 9:50 a.m.)

Michael Alford, "TxDOT Projects and Plans," District Engineer - Houston, TxDOT, Houston, Texas, Keynote Speaker;

Daniel W. Krueger, "City of Houston Infrastructure Plans, Projects and Technical Needs," Director, Public Works and Engineering Department, City of Houston, Houston, Texas, Keynote Speaker;

Kris Nygaard, "The Global Energy Outlook to 2040: The Facts Surrounding the Role of Unconventional Resources & Hydraulic Fracturing," Senior Stimulation Consultant, ExxonMobile, Houston, Texas, Keynote Speaker.

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

Panel 1: Hydraulic Fracturing and Wastewater Issues

Moderator: Rafael Ortega, Lockwood, Andrew and Newnam, Houston, Texas.

Panelist (also include short presentations)

Sanjeev Kalaswad, "Challenges and Future Plans for Water Management in Texas," Director Contracts, Texas Water Development Board, Austin, Texas

Jun Chang, "Regional and State Surface Water Planning – Successes and Continued Challenges," Deputy Director, City of Houston, Houston, Texas.

"Challenges in Hydraulic Fracturing and Water Issues," Qi Qu, Program Lead, Baker Hughes, Houston, Texas

Panel 2: Flooding, Maintenance and Geotechnical Issues

Moderator: Stanley Yin, TxDOT, Houston, Texas.

Panelist (also includes short presentations)

Mike Talbott, "Projects and Plans for Harris County Flood Control District," Director, Harris County Flood Control District, Houston, Texas.

Dale Rudick, "Rebuild Houston – Making Better Streets, Better Drainage a Reality Storm Drains and Streets Maintenance Issues," Deputy Director, Public Works and Engineering Department, City of Houston, Houston, Texas.

Case Studies on Expansive Clays, Kenneth Tand, Kenneth Tand and Associates, Houston, Texas.

Lunch Break, Exhibition & Research Posters

Posters on Research at University of Houston.

Companies participate in the Exhibition.

Session III: (1:00 p.m. to 2:30 p.m.)

Panel 3 : New Technologies for Maintenance and Monitoring

Moderator: David Peters, Senior Project Manager, Camp, Dresser & McKee Inc., Oklahoma City, Oklahoma.

Panelist (also includes short presentations)

Aldo Ranzani, "In-Place Evaluation of Water Pipeline Conditions and Life Expectancy," Public Works and Department, City of Austin, Austin, Texas.

Mike Pezeshki, "Consideration of Houston's Pavement Design Standards," Managing Engineer, Public Works and Engineering Department, City of Houston, Houston, Texas.

Extending the Lifecycle of Storm Water Culverts Utilizing Organic/Inorganic Materials, David Barton, President - Barton Industries, Atlanta, Georgia

Panel 4: : Offshore Issues: Oil Spills and Oil Well Cementing.

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

Ninth Mike O'Neill Lecture

Deepwater Horizon Accident, President David Daniel, University of Texas at Dallas, Richardson, Texas.

Development of Smart Cement for Real-Time Monitoring of Oil Well Cementing, Professor C. Vipulanandan, University of Houston, Houston, Texas

RECEPTION: (2:30 - 3:30 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.

