

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

**CIGMAT - 2012
17th Annual Conference**



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

March 2, 2012

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 24, 2012 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 200 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 geotechnical, flooding, transportation, water and 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 2/24/2012) \$100.00
At-Door Registration \$115.00
Student Registration* \$ 50.00

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

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 "Infrastructure, Energy, Geotechnical, Flooding and Sustainability Issues in Houston & Other Major Cities" at the University of Houston on March 2, 2012. The presentations will include current projects and proposed projects and energy needs for years 2012-2013 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 sustainability of water supply and geotechnical 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.)

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

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

Jed Hamilton, "Energy Needs and New Exxon Houston Project," Senior Research Consultant Arctic, ExxonMobile Upstream Research, Houston, Texas, Keynote Speaker.

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

Panel 1: Sustainability of Water Systems and Current Drought Conditions

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

Jorge Arroyo, "Challenges and Future Plans for Water Management in Texas," Contract Manager, Texas Water Development Board, Austin, Texas
Doug Hudge, Project and Groundwater Reduction Plans for San Jacinto River Authority, Senior Project Manager, San Jacinto River Authority, Conroe, Texas.
Mark Loethen, "Challenges and Plans for COH," Deputy Director for Planning & Development Services, City of Houston, Houston, Texas.

Panel 2: Flooding, ReBuild Houston 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 & Drainage," Deputy Director -ReBuild Houston Executive, City of Houston, Houston, Texas.

Ground Conditions in the Current Drought Environment, 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 : Dam Safety Issues

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

Panelist (also includes short presentations)

Chandra S. Putcha, "Risk Based Assessment of Dams," Professor of Civil Engineering, California State University, Fullerton, California.

Warren Samuelson, "Texas Dam Safety Program," Texas Commission on Environmental Quality, Austin, Texas.

National Standards for Dam Safety, (TBA) USACE, Vicksburg, Mississippi.

Panel 4: Geotechnical Issues: Unsaturated Soils and Active Zone.

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

Seventh Mike O'Neill Lecture

Unsaturated Soil Behavior for Practicing Engineers, Professor Jean L. Briaud, Texas A & M University, College Station, Texas.

National Trends in the Performance of Water Pipelines in the Active Zone, 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.

