

E.B. CAPE CENTER



Corporate University

School of Technical Operations

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For more information about PDH seminars, contact

Noel A. Pinnock, MPA
at
832-395-4852

The City of Houston's E.B. Cape Center offers the following

Professional Development Hour Course
for
Professional Engineers

PDH – CIGMAT
Update and Hurricane/Disaster Issues

August 9, 2011

10:00 am to 12:00 noon

For Professional Engineers (PEs)
2.0 Professional Development Hours

E.B. Cape Center Auditorium
4501 Leeland St.
Houston, Texas 77023

presented by

Dr. C. Vipulanandan, Ph.D., P.E.
University of Houston

PDH-CIGMAT Update and Hurricane/Disaster Issues

Several research studies are underway sponsored by the National Science Foundation (NSF), EPA, National Sanitation Foundation-International (NSF-I), State of Texas, Texas Department of Transportation, City of Houston, Gulf Coast Trenchless Association (GCTA), Avanti International and Insituform Technologies Inc. Testing protocols for coatings/linings used in wastewater systems and grouting for leak control (pipe joints, manhole, laterals and cracked concrete) are being developed for the Environmental Technology Program (ETV) of the U.S. EPA. Another study sponsored by the EPA is focused on developing a testing protocol and program to quantify the leak rate at pipe joints and a life cycle cost model for infiltration has been developed (LCCWW/CIGMAT-UH). Some of the other research projects are behavior of polyurethane and cellular grouts, flowable fills, polymer concrete, new sandwich pipe, cured in place pipe (CIPP) and construction in contaminated sites.

Useful links to:



Please visit [Professional Development Licenses](#) for more information.

The E.B. Cape Center - Delivering learning that drives business results!

The State of Texas has adopted annual continuing education requirements for professional engineers. Every PE is required to complete 15 hours of continuing education each year to maintain state registration. The E.B. Cape Center, located at 4501 Leeland, offers monthly courses to PEs.