

GMRC Training Events

Gas Machinery
Conference 2011

GMRC COMPRESSOR STATION VIBRATION and THE IMPACT ON PERFORMANCE, COST & RELIABILITY

August 30, 31 and September 1, 2011

Location: [Panhandle Energy, Houston TX](#)


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Overview

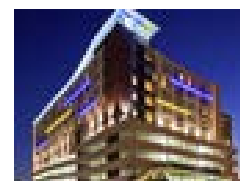
This Gas Machinery Research Council (GMRC) class will provide attendees with the knowledge and tools to better identify, specify, address and resolve vibration issues affecting reciprocating compressors. The impact of equipment selection, operation and piping layout on pulsation, vibration and performance will be discussed. Attendees will actively participate in designing pulsation control and identifying support locations using tools provided by the presenters. An overview of torsional vibration and its impact on the design process will also be provided. The course draws on expertise, experience and best practices from senior industry experts

This will be an interactive class. Case studies incorporating actual compressor stations will be utilized, using different scenarios for the class to role play – and make decisions. The program will also include detailed computer modeling to make the scenarios realistic – with actual pulsation and vibration outcomes.

Course Content

- Compressor Design Process to Improve Reliability
- Vibration Overview
- Compressor Operation and Performance and Their Impact On Vibration
- Pulsation Analysis Throughout the Piping System
- Mechanical Resonance in the Piping, Skid and Foundation
- Torsional Vibration
- Small Bore Piping
- Piping Layout Considerations
- Overview of Centrifugal Compressor Vibration Issues

Note: This is an archival PDF copy of a GMRC event that has already taken place. Return to www.gmrc.org to view current events.



Who Should Attend

The course is recommended for technicians and engineers involved in compressor design or troubleshooting. This includes rotating specialists, design staff and field engineers

Instructors

Some of the industry's leading subject matter experts developed the program. The task force/instructor list includes:

- Christine Scrivner, El Paso Pipeline Group
- Wally Bratek, Beta Machinery Analysis
- Shelley Greenfield, Beta Machinery Analysis
- Dwayne Hickman, ACI Services
- Tom Stevens, Ariel Corp.

Additional contributors

- Michael Smith, El Paso Pipeline Group
- Ralph Harris, Ariel Corp.
- Brian Howes, Beta Machinery Analysis

Professional Development Hours

This course qualifies for 18 Professional Development Hours.

Event Information

- Course Fee: \$795 for GMRC or SGA Member company employees; \$1095 for Non-members
- Schedule: Class times are 8 am - 4:30 pm Tuesday/Wednesday, and 8 am to 3 pm Thursday.
- Class Location: [Panhandle Energy](#)
- Space is limited to the first 35 registrants

*REGISTRATION NOTE: GMRC is implementing a new online registration system that will **require you to setup a login account the first time you register for an event, even if you have attended in the past. You may be in the database, but you still must create a login account in our new system.***

- Click the "Register" button to go to the Account and Registration Center
- Select the "Find/Create Account" link and provide your information
- You will receive an email to register your new account – follow those links to create your login and password
- You are now ready to logon and register for an event - that's it!
- Having trouble with the online reservation? Try alternate method: [click here](#) to fill out a form which may be faxed, mailed or emailed
- Questions? Contact Us or email memberservices@southerngas.org or phone (972) 620-8505 and someone will be happy to assist you

Hotel Information

The following hotels are within walking distance of the Panhandle office:

- [Aloft Hotel](#): Ask for the Southern Union corporate rate of \$129. Reservations # (713)622-7010
- [Doubletree Guest Suites](#): 5353 Westheimer Road, Houston, TX 77056. Reservations # (800) 222-8733. (no group rate at this time)

Additional Information

- [Visit Houston](#) - What to Do in Houston
- [Visit Houston Video](#)

Questions

Contact Patrick Downey pdowney@gmrc.org or memberservices@southerngas.org

