



**2023 Gas Machinery Conference
Phoenix Convention Center, Phoenix, AZ
October 1th-4th, 2023**

One of the industry's premier conferences, GMRC's Gas Machinery Conference offers three days of leading-edge technical training and educational presentations designed to equip the industry with the skills needed to be successful in operations, while connecting attendees to other motivated professionals and service providers from across the country and world.

The educational sessions and networking opportunities are valuable for design engineers, facility engineers, and technicians with an emphasis on the operation, maintenance and testing of gas compression machinery.

The conference includes a wide range of short courses, technical papers, and technology updates, all presented by some of the leading subject matter experts in the industry. The event also includes a vendor exhibit with over 120 companies showcasing the latest equipment, technology, and services.

This is your chance to [contribute!](#)

We're looking for the best and brightest in the industry to present short courses, technical papers and technology updates to 1,200+ industry peers in Phoenix, AZ.

For more information about types of papers and paper categories, visit the conference webpage.

Key Dates

January 30th, 2023	Abstracts for Consideration Open
March 31st, 2023	Abstracts for Consideration Close
April 28th, 2023	Authors Notified
July 21st, 2023	Draft Papers Due to GMC for Peer Review & Comments
August 18th, 2023	GMC Planning Committee's Peer Review and Comments to Authors Due
August 25th, 2023	100 Word Summary of Final Paper Due
September 8th, 2023	Final Papers Due
September 22nd, 2023	Final Presentations Due

Deadlines are strictly enforced. NO exceptions will be made. Please add these dates to your calendar to avoid unforeseen or unavoidable delays in your schedule.

Have questions? Contact Rishi Chauhan by email at Rishi.Chauhan@southerngas.org or Telephone at 713-259-9158.

Submission Types

The GMC Planning Committee will accept papers for the conference based on an informative abstract submitted by the deadline. All abstracts will be evaluated on the information supplied. The planning committee will use this information to help select papers, assign time slots and assign technical reviewers.

- **Short Courses:** The Short Course presentation is a 3-hour technical presentation. This presentation should be free of commercialism and fall into one of the categories listed below. Authors are required to submit a final PowerPoint presentation that will be published on the Gas Machinery Research Council's online library.
- **Mini Short Courses:** The Mini Short Course presentation is a 90-minute presentation. This presentation should be free of commercialism and fall into one of the categories listed below. Authors are required to submit a final PowerPoint presentation that will be published on the Gas Machinery Research Council's online library.
- **Technical Papers:** The Technical Paper presentations are 45-minute lectures consisting of 35-40 minutes of lecture and 5-10 minutes of questions and answers. This presentation should be free of commercialism and fall into one of the categories listed below. Authors are required to submit a final paper that will be published on the Gas Machinery Research Council's online library.
- **Technology Updates:** The Technology Update presentations are 8-minute commercial presentations that detail a new technology, product, or service for 2022/2023. To present a technology update, the presenting companies must be members of the Gas Machinery Research Council (GMRC). If you would like to present a technology update, but are unsure if your company is a member, or you would like to become a member of GMRC, please contact Rishi at Rishi.Chauhan@southerngas.org or memberservices@gmrc.org or Call 713-259-9158.

The GMRC's guidelines (PDF file) for technical papers can be downloaded from [HERE](#) This guideline covers topics such as unnecessary commercialism, use of Imperial/Metric units, defining acronyms and industry jargon, avoiding specific about persons/companies unless permission granted, etc.

Short Course and Technical Paper Categories:

Auxiliary Systems

Examples:

- Filtration
- Blow-down systems
- Lubrication
- Scrubber controls

Career Enhancement

Examples:

- Ethics
- Development
- Generational or Gender issues

Centrifugal Compressors

Examples:

- Dry Gas Seals
- Designs, process maps, efficiency, applications, case studies
- Maintenance
- Vibration issues specific to centrifugal compressors
- Electric vs. Gas Drivers
- Controls and Surge Control
- Testing

Data Analytics

Examples:

- Remote condition monitoring
- Artificial Intelligence
- Automation
- Transformation

Emissions

Examples:

- EPA + State Compliance Issues/new or proposed regulations
- Designs for control/monitoring
- Case Studies / Shared Learning
- Fugitive

Energy Transition

Examples:

- Hydrogen
- Carbon Capture
- Alternative fuels
- RNG
- LNG
- Supercritical CO₂
- Heat Recovery

Reciprocating Compressors

Examples:

- Designs, efficiency, applications, case studies
- Maintenance Issues
- Vibration issues specific to reciprocating compressors
- Electric vs. Gas Drivers

Reciprocating Engines

Examples:

- Designs, efficiency, applications, case studies
- Maintenance Issues including health monitoring
- Vibration issues specific to reciprocating engines

Research

Examples:

- Pure, not related to a brand of equipment; example: liquid dropout modeling for compression

Vibration/Pulsation

Examples:

- Prevention
- Accommodative/Mitigative Designs
- Measurement/Protection

Gas Turbines

Safety

Other (none of the above)

Frequently Asked Questions (FAQ's)

I am not sure what category my paper falls under?

Still unsure? Email Rishi Chauhan by email at Rishi.Chauhan@southerngas.org

I need a visa to present at this conference, will GMRC sponsor me?

Currently GMRC does not sponsor visas for presenters. However, we do hope you will be able to attend.

Can I submit multiple abstracts?

Of course! You may submit as many abstracts as you would like. Please submit abstract for consideration [here!](#)

Who reviews the abstracts?

The abstracts are reviewed by <https://www.gmrc.org/about/committees> made up of operators and manufacturers from the gas machinery industry.

What format should I submit my final paper and presentation in?

Final paper/presentations should be submitted in PDF format. Presentations should be in 16:9 format.

How should I bring my presentation to the conference? Can I present using my own computer?

You must bring a flash drive to the conference and must be able to use the laptop provided in each classroom. If this is an issue, please contact Rishi.Chauhan@southerngas.org

Tech Update FAQs

The GMC Technical Updates are 8-minute slots given to the entire conference. The time is yours to present information about the new technology/product to all participants. We do not review the material prior to the presentation. It is expected that you arrive approximately 15 minutes early to the session with the presentation on a USB stick. We will load the presentation on to a computer with PowerPoint and a PDF viewer so that there is no time wasted switching out equipment between presentations. The presentation order will be

determined by the schedule which is usually alphabetical. The moderator will provide final instructions and allow for a walk through during the 15 minutes prior to the session

I have more questions.... help!

We're here to help! Please reach out to Rishi.Chauhan@southerngas.org with any questions or concerns.

By submitting your paper for presentation at the Southern Gas Association Gas Association Gas Machinery Research Council (GMRC) Gas Machinery Conference, you agree that GMRC shall have a nonexclusive worldwide royalty-free right and license to reproduce, distribute, publicly display and otherwise disseminate the paper and/or any of its content as GMRC may deem appropriate