



24th Annual Medical Gas Educational Conference

Le Méridien New Orleans
New Orleans, Louisiana

Medical Gas System Design and Technology



OCTOBER 7 - 9, 2025

WWW.MGPHO.ORG

Our Speakers



Donald (DJ) Berger

National Inspection Testing
and Certification Corporation
(NITC)

DJ Berger is located in National ITC Corporation's (NITC) southern regional office in Metairie, Louisiana. He is an AWS Certified Welding Inspector (CWI) and is tasked with evaluating the inspections of performance braze tests submitted to NITC's southern regional office by manufacturers, contractors, and training entities representing all sectors of the industry from locations worldwide. Most of the inspections are associated with the practical exam portion of the ASSE 6010 Medical Gas Piping Installer certification requirements. In addition to performing his duties as a CWI, he is often assists the industry with answering medical gas piping related questions and referring individuals to organizations like MGPHO for medical gas training and verification needs.



Mathis Carlson

MediTrac

Mathis Carlson is the Special Projects and Education Manager for MediTrac, the leading manufacturer of corrugated medical gas tubing. MediTrac is a revolutionary, first-of-its-kind product, approved by NFPA 99 for medical gas piping systems. At MediTrac, Mathis assists in medical gas system design and sizing, technical support, training, and general medical gas information and education. Mathis holds multiple ASSE medical gas certifications, and in addition, he holds the MGPHO Certified Medical Gas Verifier (**CMGV®**) credential. Mathis serves as an alternate member of the NFPA 99 technical committee on medical gas piping systems, and is a member of the NFPA 55 committee on industrial and medical gases. He is a member of the ASSE 6000 working group, and is a member of the FGI Health Guidance Revision Plumbing Task Group. He is also currently serving as President of the Medical Gas Professional Healthcare Organization.

24TH ANNUAL MEDICAL GAS
EDUCATIONAL CONFERENCE

Our Speakers



Dana Colombo

National Inspection Testing
and Certification Corporation
(NITC)

Dana Colombo is located in National ITC Corporation's (NITC) southern regional office in Metairie, Louisiana. He is an AWS Certified Welding Inspector (CWI) and is tasked with evaluating the inspections of performance braze tests submitted to NITC's southern regional office by manufacturers, contractors, and training entities representing all sectors of the industry from locations worldwide. Most of the inspections are associated with the practical exam portion of the ASSE 6010 Medical Gas Piping Installer certification requirements. In addition to performing his duties as a CWI, he often assists the industry with answering medical gas piping related questions and referring individuals to organizations like MGPPO for medical gas training and verification needs.



Cary Darden

Environmental and Medical
Gas Services

Cary Darden has been working in the medical gas industry since 2001. His focus on healthcare compliance led him to develop compliance programs for hospitals and other healthcare facilities to meet the 2012 edition of NFPA 99. Cary served on the Medical Gas Professional Healthcare Organization's (MGPPO) Board of Directors as Vice President, Education from 2016 - 2021, and he has been serving as Vice President, Credentials since 2022. He has participated as a voting member during the development of the 2021 and 2024 editions of ASSE 6000 (Professional Qualifications Standard for Medical Gas Systems Personnel). Cary also holds several medical gas credentials, including ASSE 6010, 6020, 6030, 6035, 6040 and 6050.

24TH ANNUAL MEDICAL GAS
EDUCATIONAL CONFERENCE

Our Speakers



Greg DelBene

BeaconMedaes

Greg DelBene is the Innovation Project Manager for BeaconMedaes, driving global solutions to healthcare challenges, including climate change. With a background in medical gas systems as the new project development manager for BeaconMedaes and experience as a design engineer, Greg's solution-oriented approach emphasizes leadership, collaboration, and sustainability.



Manley Feinberg II

Vertical Lessons, Inc.

Manley is the founder of Vertical Lessons, Inc. He is an award winning international keynote speaker, business leader and author. Leveraging more than twenty years of business, professional speaking and adventure experience, his insight and energy will inspire and equip you to step up and reach your next summit.

In fact, he wrote a book titled, *Reaching Your Next Summit! 9 Vertical Lessons to Lead with More Impact.*

Manley's 11 years of leadership influence contributed to a workplace culture that landed Build-A-Bear Workshop on the FORTUNE 100 Best Companies to Work For® List four years in a row. Manley served two terms as the president of the St. Louis chapter of the National Speakers Association

On a personal note, Manley likes to sleep on the side of mountains. Even more shocking is that his wife has been putting up with that for more than two decades, and he has two teens that still kiss him on the cheek in front of their friends.

24TH ANNUAL MEDICAL GAS
EDUCATIONAL CONFERENCE

Our Speakers



Keith Ferrari

MediTrac

Keith Ferrari is the Business Development Manager for MediTrac by Flex-Trac, a manufacturer specializing in corrugated medical tubing (CMT) that is designed for medical gas distribution. The company focuses on providing high-quality, engineered products that meet demanding healthcare applications, ensuring safety, durability and performance. Keith has been involved in virtually all aspects of the medical gas industry, including regulatory, manufacturing, consulting, designing, planning, inspection, testing and verification over the last 38 years for GMI, CGS, Praxair, Linde and MediTrac. He is or has been a principal voting member or alternate on many codes, standards, and guidance organizations, such as NFPA 99, NFPA 55, NFPA 150, CGA M-1, ASSE 6000, ASPE and MGPPO, and is currently on the Board of Governors for MGPPO. Keith attended Penn State University for Industrial Engineering, California College for Health Sciences and Wake Tech for AutoCad Design and has credentials from ASSE 6000, MGPPO **CMGV®**, ASPE CPD, and is a NFPA 99 trained instructor.



Alex Kun

Leybold Vacuum USA

Alex Kun is a sales engineer at Leybold with over eight years of experience in vacuum technology. He graduated from Penn State with a degree in Chemical Engineering. Near the end of his degree, he learned he did not want to be an engineer and wanted to focus on technical sales instead. Over the last three years, he has specifically focused on the rough vacuum market and partnering with indirect sales channels. By working with Patriot Medical Gas Solutions on medical vacuum upgrades, he has become more familiar with the vacuum pump challenges in the medical vacuum market and has been looking at introducing different vacuum pump technology into the industry. When Alex is not working, he is taking walks with his wife and 10-month-old son.

24TH ANNUAL MEDICAL GAS
EDUCATIONAL CONFERENCE

Our Speakers



Dave Osborn

Patriot Medical Gas Solutions

Dave is the majority owner of Patriot Medical Gas Solutions in Memphis, Tennessee. He is an experienced ASSE 6030 medical gas verifier with his **CMGV®** credential from MGPHO, and has had more than 13 years of experience within the medical gas industry. Dave is an active member of MGPHO, where he was recently elected as the Vice President, Education. In this voluntary role, Dave has been tasked with promoting the education forum for the annual educational conferences and overall education program that has been the foundation of the organization. Dave has a true passion for the medical gas industry, and he has contributed to multiple innovations within the industry, one of which was the introduction of the dry rotary screw vacuum technology into the medical gas market. His intricate knowledge of how to create vacuum and the mechanics of various pump technologies has made him a valuable resource to this industry.



Daniel Rumack

Medclair AB

Daniel Rumack is a seasoned professional with a robust academic foundation in computer science from Stockholm University. He brings a wealth of experience in business development, particularly within the healthcare and industrial robotics sectors. Over the years, Daniel has held key leadership positions, including CEO and Country Manager, where he has successfully led technology-driven companies across various industries. Since 1999, Daniel has been deeply involved in international business development, consistently driving growth and innovation on a global scale with Medclair as the International Business Development Manager for Sustainable Nitrous Oxide Solutions.

24TH ANNUAL MEDICAL GAS
EDUCATIONAL CONFERENCE

Our Speakers



E. Daniel Shoemaker

Air Techniques & MGPHO
Special Expert

Membership in MGPHO was a natural transition from Daniel's med gas field technician and piping experience, combined with his experiences on the NFPA committee. He appreciates working with other MGPHO members as they contribute their experiences and expertise to his current position as the Product Manager for Nitrous Oxide/Oxygen, Dental Vacuum and Dental Air Products. Daniel has been married to his wife Lila since 1973, and they have 6 children, 1 foster daughter, 34 grandchildren and 8 great-grandchildren. Daniel's career began in the dental industry as a service technician leading to positions as service manager and eventually to become the manager for the National Service Center for Ohmeda. Daniel has served in various capacities on the NFPA 99 Sub-Committee on Medical Gas Piping, and as an officer with the Arizona PIPE Medical Gas Committee. He is a member of the American Dental Association on Dental Products, and has been a speaker at various events regarding medical gases in dentistry. He has served as a MGPHO Special Expert since 2013, and currently is employed with Air Techniques as the product manager for the dental clinical air and vacuum systems and nitrous oxide/oxygen products divisions.



Jonathan Willard

Acute Medical Gas Services

Jonathan C. Willard is the President and CEO of Acute Medical Gas Services, which is a comprehensive health care, environmental, and laboratory gas service and consulting company. He has worked in every aspect of the medical gas industry for almost 30 years, including regulatory compliance, consulting, design, construction, testing, training, and emergency preparedness. His involvement in health care projects have taken him all over the world, including a combat zone in Afghanistan, Guantanamo Bay, Cuba, the Korean Peninsula, post Hurricane Haiti, and his personal favorite, St. Lucia. Mr. Willard is the chairman of the NFPA 55 Technical Committee for Industrial and Medical Gases and a Principal Member of both the Medical Gas Piping and Hyperbaric Technical Committees for NFPA 99. His credentials include being a certified Project Management Professional (PMP®), a Certified Healthcare Constructor (CHC), and a LEED Accredited Professional (AP), with a Master of Science degree in Business Education (MBE), and currently serves as the Secretary for the Medical Gas Professional Healthcare Organization (MGPHO) Board of Directors.

24TH ANNUAL MEDICAL GAS
EDUCATIONAL CONFERENCE

Conference Agenda

Monday, October 6th

3:00 PM - 6:00 PM

2024 CMGV Exam

Salon 1

Salon 1 - you must be pre-registered to attend this session and sit for the CMGV examination.

Tuesday, October 7th

8:00 AM - 12:30 PM

Board of Directors Meeting

Salon 1 - By Invitation Only

11:00 AM - 12:30 PM

Board of Governors Lunch

Salon 1 - By Invitation Only



Dave Osborn

Patriot Medical Gas Solutions
& MGPPO VP Education



Alex Kun

Leybold Vacuum USA

12:30 PM - 1:30 PM (Location)

Vacuum Pumps - Fundamentals & Technology

Esplanade Ballroom 1 & 2

Dave Osborn and Alexander Kun will discuss the various technologies available on the market for medical vacuum. They will touch on the pros and cons of each technology and what the key factors are when choosing which technology is best for various applications. They will discuss how efficiently each of the technologies create vacuum and whether they can handle WAGD without additional monitoring or mitigating valves. After the presentation, there will be a 10 - 15 minute open question and answer session within the allotted time slot for available questions from the attendees.

24TH ANNUAL MEDICAL GAS
EDUCATIONAL CONFERENCE

www.mgpho.org

Tuesday, October 7th

1:30 PM - 2:00 PM

Credentials Committee Meeting

Esplanade Ballroom 1 & 2

1:30 PM - 2:00 PM

Legal Committee Meeting

Salon 1

2:00 PM - 2:30 PM

Membership Committee Meetings

Esplanade Ballroom 1 & 2

2:00 PM - 2:30 PM

Finance Committee Meeting

Salon 1

2:30 PM - 3:00 PM

Education Committee Meeting

Esplanade Ballroom 1 & 2

2:30 PM - 3:00 PM

Structure Committee Meeting

Salon 1

3:00 PM - 3:15 PM

Break



Mathis Carlson

MediTrac & MGPHO President



Jonathan Willard

Acute Medical Gas Services &
MGPHO Secretary

3:15 PM - 5:00 PM (Esplanade Ballroom 1 & 2)

2024 NFPA 99 Code Updates & 2027 Revision Cycle Update

Mathis Carlson & Jonathan Willard

Mathis Carlson and Jonathan Willard will review all of the major changes to the 2024 Edition of the NFPA 99. They will also discuss the status of the NFPA 99 2027 Edition and how MGPHO can continue to be involved.

**24TH ANNUAL MEDICAL GAS
EDUCATIONAL CONFERENCE**

www.mgpho.org

Wednesday, October 8th

7:00 AM - 8:00 AM (Marigny 1 & 2)
Continental Breakfast

8:00 AM - 5:00 PM (Uptown / Marche / Gallery)
Exhibitor Set-Up for Vendor Reception

8:00 AM - 8:15 AM (Esplanade Ballroom 1 & 2)
Mathis Carlson, President
Opening comments and presentation of the Corky Bishop Scholarship



Mathis Carlson

MediTrac & MGPHO President



Daniel Shoemaker

Air Techniques & MGPHO
Special Expert

8:15 AM - 9:15 AM (Esplanade Ballroom 1 & 2)
Dental Installation & Verification
Mathis Carlson & Daniel Shoemaker

Mathis Carlson and Daniel Shoemaker will talk some of the specifics of dental installations and dental medical gas verifications. They will discuss how dental verifications are similar to Chapter 5, but there are some slight variations in Chapter 15.

9:15 AM - 9:30 AM
Break

9:30 AM - 9:35 AM (Esplanade Ballroom 1 & 2)
Board of Directors Nominations
Daniel Strickland, VP Structure

24TH ANNUAL MEDICAL GAS
EDUCATIONAL CONFERENCE

Wednesday, October 8th



Keith Ferrari

MediTrac

*9:35 AM - 10:30 AM (Esplanade Ballroom 1 & 2)
NFPA 150, 2025 Fire and Life Safety in Animal Housing
Facilities Code*

*Medical Gas Section - The GOOD, The BAD & the UGLY
Keith Ferrari*

This session provides an in-depth look at the newly expanded **Chapter 5 of NFPA 150 (2025 edition), Fire and Life Safety in Animal Housing Facilities**, which introduces requirements for **medical gas systems in animal care settings**. Attendees will explore how current codes and standards—including **NFPA 99, NFPA 55, the International Fire Code (IFC), FDA regulations, and Compressed Gas Association (CGA) guidance**—apply to veterinary and animal health facilities.

We will trace the **origin and development of NFPA 150**, review its **Animal Housing Categories**, and evaluate the **strengths, shortcomings, and challenges** (“the good, the bad, and the ugly”) within the new medical gas systems section. The presentation will also highlight **design standards, best practices, and reference guides** that engineers, facility managers, and regulators can use to ensure safe, compliant, and effective medical gas installations in animal care environments.

24TH ANNUAL MEDICAL GAS
EDUCATIONAL CONFERENCE

www.mgpho.org

Wednesday, October 8th



Manley Feinberg II

Vertical Lessons, Inc.

*10:30 AM - 12:00 PM (Esplanade Ballroom 1 & 2)
Keynote Presentation - Essential Commitment: Build
Breakthrough Momentum in the Storm of Chaos
Manley Feinberg II*

Overview

This dynamic keynote inspires participants to step up in a new way to overcome resistance and reach higher than ever by cultivating Exponential Commitment in themselves and those around them. Participants will learn essential Vertical Lessons for deepening their commitment, building momentum, and achieving breakthroughs in even the most challenging circumstances.

Objectives

Our Partnership Will Focus on Achieving the Following:

- Actionable insights on what it takes to gain clarity and see through the chaos every day
- 3 steps to build and rebuild momentum, even when knocked off the route
- Build focus and commitment in the chaos of your daily work

1.

Attendees will gain tools they can use immediately to develop a leadership mindset that engages, equips, and inspires both them and their team members to step up as a leader, regardless of their title.

*12:00 PM - 1:00 PM (Marigny 1 & 2)
Lunch (all invited)*

24TH ANNUAL MEDICAL GAS
EDUCATIONAL CONFERENCE

www.mgpho.org

Wednesday, October 8th



Greg DelBene

BeaconMedaes



Daniel Rumack

Medclair AB

1:00 PM - 2:30 PM (Esplanade 1 & 2)

Anesthesia Gases: Halogenated Drugs and Nitrous-Oxide - Sustainable Solutions to Reduce Carbon Footprint
Greg Delbene & Daniel Rumack

A discussion on the challenging environmental effects of anesthesia gases and emerging solutions to reduce their introduction to the atmosphere. How halogenated and drug recovery systems and central destruction units work and how they can provide safe and sustainable solutions to the healthcare industry.



Cary Darden

Environmental Medical Gas
Services, Inc.

2:30 PM - 3:30 PM (Esplanade Ballroom 1 & 2)

The Four Questions to Help Build an Effective Medical Gas Compliance Program
Cary Darden

Building an effective medical gas compliance program boils down to being able to answer four questions:

1. WHAT must be inspected and maintained?
2. WHEN must it be inspected and maintained?
3. HOW must it be inspected or maintained?
4. WHO can perform these activities?

Each of these questions has its basis within NFPA 99 and is expanded from other documents, such as ASSE 6000 and manufacturer operation and maintenance manuals. In this session, we will discuss how each of these questions apply to different components within a piped medical gas or vacuum system.

24TH ANNUAL MEDICAL GAS
EDUCATIONAL CONFERENCE

www.mgpho.org

Wednesday, October 8th

3:30 PM - 3:45 PM

Break

3:45 PM - 5:00 PM (Esplanade Ballroom 1 & 2)

Open Forum

5:00 PM - 8:00 PM (Uptown / Marche / Gallery)

This event is MGPHO's way of thanking exhibitors for their participation and support of the conference. Enjoy this time to meet and socialize with vendors, presenters, and fellow attendees. Be sure to stop by each exhibit to learn more about new equipment, services, and training,



Vendor Reception

Uptown / Marche / Gallery

- **Advanced Chemical Sensors**
- **AG Instruments Ltd.**
- **Bay Corp.**
- **BC Group International**
- **B & R Compliance Associates**
- **BeaconMedaes**
- **EMS Healthcare LLC**
- **EMSE Corporation**
- **ENMET, LLC**
- **Genstar Technologies**
- **GlobalVac & Air**
- **Lantern Medical**
- **Lokring Medical Gas West**
- **MedGasCards.Com**
- **Medical Gas Accreditation**
- **Medical Gas Certifications, Inc.**
- **MediTrac**
- **MEDLOK**
- **Nano-Purification Solutions**
- **NITC**
- **Novair USA Corporation**
- **Ohio Medical**
- **Patriot Medical Gas Solutions**
- **Patton's Medical**
- **PCI Gases**
- **Powerex, Inc.**
- **ProTek**
- **Tri-Tech Medical, Inc.**

24TH ANNUAL MEDICAL GAS
EDUCATIONAL CONFERENCE

www.mgpho.org



OCTOBER 7 - 9, 2025

Thursday, October 9th

7:00 AM - 8:00 AM (Marigny 1 & 2)
Continental Breakfast

8:00 AM - 8:10 AM (Esplanade Ballroom 1 & 2)
Opening Comments
Mathis Carlson, MGPHO President

8:10 AM - 8:15 AM (Esplanade Ballroom 1 & 2)
Close Nominations
Danial Strickland, VP Structure

8:15 AM - 9:00 AM (Esplanade Ballroom 1 & 2)
Committee Reports
Jim Brusse, VP Membership
Cary Darden, VP Credentials
Al Moon, VP Finance
David Osborn, VP Education
John Ostojic, VP Legal
Danial Strickland, VP Structure

9:00 AM - 9:30 AM (Esplanade Ballroom 1 & 2)
President's Report
Mathis Carlson, MGPHO President

9:30 AM - 9:45 AM (Esplanade Ballroom 1 & 2)
Break

9:45 AM - 10:15 AM (Esplanade Ballroom 1 & 2)
Nominee Speeches & Elections

24TH ANNUAL MEDICAL GAS
EDUCATIONAL CONFERENCE

www.mgpho.org

Thursday, October 9th



Donald (DJ) Berger

National Inspection Testing
and Certification Corporation
(NITC)



Dana Colombo

National Inspection Testing
and Certification Corporation
(NITC)

10:15 AM - 11:30 AM (Esplanade Ballroom 1 & 2)

NFPA 99 Healthcare Facilities Code Requirements for Brazing Procedures and the Qualification of Brazers (NFPA 99 2024 § 5.1.10.11.11)

Donald (DJ) Berger & Dana Colombo

NFPA 99 has required code compliant brazing procedures and the performance qualification of brazers since its inception in the early 1980's. This presentation will provide a little history of the development of the NFPA code as well as the requirements involved in ensuring compliance.

11:30 PM - 12:30 PM (Marigny 1 & 2)

Lunch (all invited)

12:30 PM - 1:30 PM (Esplanade Ballroom 1 & 2)

Scientific & Technical Panel (STP)

Mark Allen, Ed Golla, Gerhard Gschwandtner, Jeffrey McBride, Bob Sutter, and Jonathan Willard

The Scientific & Technical Panel (STP) will be discussing some of the technical challenges and findings in the medical gas industry.

1:30 PM - 1:35 PM (Esplanade Ballroom 1 & 2)

Election Results

Danial Strickland, VP Structure

1:35 PM - 1:40 PM (Esplanade Ballroom 1 & 2)

Swearing in of New Officers

Mathis Carlson, MGPHO President

1:40 PM - 2:00 PM (Esplanade Ballroom 1 & 2)

Closing Comments

Mathis Carlson, MGPHO President

24TH ANNUAL MEDICAL GAS
EDUCATIONAL CONFERENCE